# NEC3 Term Service Contract (TSC3)

**Between** **ESKOM HOLDINGS SOC Ltd**
**(Reg No. 2002/015527/30)**

**and** **[Insert at award stage]**
**(Reg No. _____ )**

**for** **Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant**

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**CONTRACT No.** **[Insert at award stage]**

# PART C1: AGREEMENTS & CONTRACT DATA

**Contents:** **No of pages**

# 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:

Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant
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 | **R [●]** |
| | Sub total | **R [●]** |
| | Value Added Tax @ 15% is | **R [●]** |
| | The offered total of the amount due inclusive of VAT is[1] | **R [●]** |
| | (in words) **[●]** | |

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 .....

Tenderer's CIDB registration number:

[1] 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 | General Manager: Kusile Power Station | |
| **for the Employer** | Eskom Holdings SOC Limited<br>Kusile Power Station<br>R545 Kendal/Balmoral Rd<br>Haartebeesfontein Farm<br>Witbank | |
| | *(Insert name and address of organisation)* | |
| 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 | **[●]** | **[●]** |
| 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 | | General Manager: Kusile Power Station |
| On behalf of | *(Insert name and address of organisation)* | *Eskom Holdings SOC Limited*<br>*Kusile Power Station*<br>*R545 Kendal/Balmoral Rd*<br>*Haartebeesfontein Farm*<br>*Witbank* |
| Name & signature of witness | | |
| Date | | |

# C1.2 TSC3 Contract Data

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

**[Instructions to the contract compiler: (delete these two notes in the final draft of a contract)**

1. Please read the relevant clauses in the conditions of contract before you enter data. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data.

2. Some TSC3 options are always selected by Eskom Holdings SOC Ltd. The remaining TSC3 options are identified by shading in the left hand column. In the event that the option is not required select and delete the whole row. Where the following symbol is used "**[●]" -** data is required to be inserted relevant to the specific option selected.]

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

| Clause | Statement | Data |
|---|---|---|
| 1 | **General** | |
| | The *conditions of contract* are the core clauses and the clauses for main Option: | |
| | | **A: Priced contract with price list** |
| | dispute resolution Option | **W1: Dispute resolution procedure** |
| | and secondary Options | |
| | | **X1: Price adjustment for inflation** |
| | | **X2 Changes in the law** |
| | | **X17: Low service damages** |
| | | **X18: Limitation of liability** |
| | | **X19: Task Order** |
| | | **Z: *Additional conditions of contract*** |
| | of the NEC3 Term Service Contract April 2013[1] (TSC3) | |
| 10.1 | The *Employer* is (name): | **Eskom Holdings SOC Ltd (reg no: 2002/015527/30), a state owned company incorporated in terms of the company laws of the Republic of South Africa** |
| | Address | **Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg** |
| | Tel No. | **[●]** |
| | Fax No. | **[●]** |
| 10.1 | The *Service Manager* is (name): | **[●]** |

[1] Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 539 1902 www.ecs.co.za

| | | |
|---|---|---|
| | Address | **Eskom Holdings SOC Limited**<br>**Kusile Power Station**<br>**R545 Kendal/Balmoral Rd**<br>**Haartebeesfontein Farm**<br>**Witbank, 1035** |
| | Tel | **[●]** |
| | Fax | **[●]** |
| | e-mail | **[●]** |
| 11.2(2) | The Affected Property is | **Kusile Power Station** |
| 11.2(13) | The *service* is | **Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant** |
| 11.2(14) | The following matters will be included in the Risk Register | **Delivery Constraints**<br>**Refurbishment Contstraints**<br>**Supply Constraints** |
| 11.2(15) | The Service Information is in | **Part 3: Scope of Work / C3 1 TSC3 Employers Service Information and all documents and drawings to which it makes reference.** |
| 12.2 | The *law of the contract* is the law of | **the Republic of South Africa** |
| 13.1 | The *language of this contract* is | **English** |
| 13.3 | The *period for reply* is | **Two (2) weeks** |
| 2 | **The *Contractor*'s main responsibilities** | **Data required by this section of the core clauses is also provided by the *Contractor* in Part 2 and terms in italics used in this section are identified elsewhere in this Contract Data** |
| 21.1 | The *Contractor* submits a first plan for acceptance within | **Two (2) weeks of the Task Order acceptance Date** |
| 3 | **Time** | |
| 30.1 | The *starting date* is. | **Contract Signature Date** |
| 30.1 | The *service period* is | **Five (5) years** |
| 4 | **Testing and defects** | **There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data** |
| 5 | **Payment** | |
| 50.1 | The *assessment interval* is | **between the 20th day of each successive month.** |
| 51.1 | The *currency of this contract* is the | **South African Rand** |
| 51.2 | The period within which payments are made is | **Eight (8) weeks.** |
| 51.4 | The *interest rate* is | **the publicly quoted prime rate of interest (calculated on a 365 day year) charged by from** |

| | | |
|---|---|---|
| | | **time to time by the South African Reserve Bank (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 Rands and** |
| 6 | **Compensation events** | **There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data** |
| 7 | **Use of Equipment Plant and Materials** | **There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data** |
| 8 | **Risks and insurance** | |
| 80.1 | These are additional *Employer*'s risks | **None** |
| **9** | **Termination** | **There is no reference to Contract Data in this section of the core clauses and terms in italics used in this section are identified elsewhere in this Contract Data.** |
| **10** | **Data for main Option clause** | |
| **A** | **Priced contract with price list** | |
| 20.5 | The *Contractor* prepares forecasts of the final total of the Prices for the whole of the *service* at intervals no longer than | **Two (2) weeks.** |
| **11** | **Data for Option W1** | |
| W1.1 | The *Adjudicator* | **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 www.ice-sa.org.za). If the Parties do not agree on an Adjudicator the Adjudicator will be appointed by the Arbitration Foundation of Southern Africa (AFSA).** |
| | Address | **[●]** |
| | Tel No. | **[●]** |
| | Fax No. | **[●]** |
| | e-mail | **[●]** |
| W1.2(3) | The *Adjudicator nominating body* is: | **the Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering and the Institution of Civil Engineers (London) (see www.ice-sa.org.za ) or its successor body.** |
| W1.4(2) | The *tribunal* is: | **arbitration** |
| W1.4(5) | The *arbitration procedure* 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 | **South Africa** |
| | The person or organisation who will choose an arbitrator<br>- if the Parties cannot agree a choice or<br>- if the arbitration procedure does not state who selects an arbitrator, is | **the Chairman for the time being or his nominee of the Association of Arbitrators (Southern Africa) or its successor body.** |

## 12 Data for secondary Option clauses

| | | |
|---|---|---|
| **X1** | **Price adjustment for inflation** | **Rates are fixed and firm for first 16 months of the contract signature. There after CPA escalation will apply.** |
| X1.1 | The *base date* for indices is | **A month prior to the enquiry closing date.** |
| | The proportions used to calculate the Price Adjustment Factor are: | **proportion** / **linked to index for** / **Index prepared by**<br>**0.** / **[●]** / **[●]**<br>**0.** / **[●]** / **[●]**<br>**0.** / **[●]** / **[●]**<br>**0.** / **[●]** / **[●]**<br>**0.** / **[●]** / **[●]**<br>**15%** / **non-adjustable**<br>**1.00** |
| **X2** | **Changes in the law** | **There is no reference to Contract Data in this Option and terms in italics are identified elsewhere in this Contract Data.** |
| **X17** | **Low service damages** | |
| X17.1 | The *service level table* is in | **The below prescriptions** |

| | |
|---|---|
| Late delivery | 5% of the total order value |
| Repeated Delivery of incorrect instrument | 5% of the total order value |
| No provision of instruments manuals | 1% of the total order value |
| Failure to refurbish module | 5% of the total order value |

| | | |
|---|---|---|
| **X18** | **Limitation of liability** | |
| X18.1 | The *Contractor*'s liability to the *Employer* for indirect or consequential loss is limited to | **General: R 25 000 000The Contractor's total liability for any damaged caused to the Employer's property, equipment, material, and plant shall be limited to a Task Order issued by the Employer as of the Task Order date and shall be capped at 25% of the damages caused** |

| | | |
|---|---|---|
| | | **per incident or to a deductible value of R500 000.00 whichever is the lesser.** |
| X18.2 | For any one event, the *Contractor*'s liability to the *Employer* for loss of or damage to the *Employer*'s property is limited to | **the amount of the deductibles relevant to the event** |
| X18.3 | The *Contractor*'s liability for Defects due to his design of an item of Equipment is limited to | **The greater of**<br>• **the total of the Prices at the Contract Date and**<br>• **the amounts excluded and unrecoverable from the *Employer*'s insurance (other than the resulting physical damage to the *Employer*'s property which is not excluded) plus the applicable deductibles** |
| X18.4 | The *Contractor*'s total liability to the *Employer*, for all matters arising under or in connection with this contract, other than the excluded matters, is limited to | **the total of the Prices other than for the additional excluded matters.**<br><br>**The *Contractor's* total liability for the additional excluded matters is not limited.**<br><br>**The additional excluded matters are amounts for which the *Contractor* is liable under this contract for**<br>• **Defects due to his design, plan and specification,**<br>• **Defects due to manufacture and fabrication outside the Affected Property,**<br>• **loss of or damage to property (other than the *Employer*'s property, Plant and Materials),**<br>• **death of or injury to a person and**<br>• **infringement of an intellectual property right.** |
| X18.5 | The *end of liability date* is | **Twenty-four (24) months after the end of the *service period*.** |
| **X19** | **Task Order** | |
| X19.5 | The *Contractor* submits a Task Order programme to the *Service Manager* within | **Ten (10) working days of receiving the Task Order** |
| **Z** | **The *additional conditions of contract* are** | **Z1 to Z14 always apply.** |

**Z1 Cession delegation and assignment**

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.

**Z2 Joint ventures**

Z2.1 If the *Contractor* constitutes a joint venture, consortium or other unincorporated grouping of two or more persons or organisations then these persons or organisations are deemed to be jointly and severally liable to the *Employer* for the performance of this contract.

Z2.2 Unless already notified to the *Employer*, the persons or organisations notify the *Service Manager* within two weeks of the Contract Date of the key person who has the authority to bind the *Contractor* on their behalf.

Z2.3 The *Contractor* does not alter the composition of the joint venture, consortium or other unincorporated grouping of two or more persons without the consent of the *Employer* having been given to the *Contractor* in writing.

**Z3 Change of Broad Based Black Economic Empowerment (B-BBEE) status**

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.

**Z4 Confidentiality**

Z4.1 The *Contractor* 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 *Contractor*, enters the public domain or to information which was already in the possession of the *Contractor* at the time of disclosure (evidenced by written records in existence at that time). Should the *Contractor* disclose information to Others in terms of clause 25.1, the *Contractor* ensures that the provisions of this clause are complied with by the recipient.

Z4.2 If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Service Manager*.

Z4.3 In the event that the *Contractor* is, at any time, required by law to disclose any such information which is required to be kept confidential, the *Contractor*, to the extent permitted by law prior to disclosure, notifies the *Employer* 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 *Contractor* 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.

Z4.4 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 *service period*, requires the prior written consent of the *Service Manager*. All rights in and to all such images vests exclusively in the *Employer*.

Z4.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

**Z5 Waiver and estoppel: Add to core clause 12.3:**

Z5.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties, the *Service Manager* or the *Adjudicator* 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.

**Z6 Health, safety and the environment: Add to core clause 27.4**

Z6.1 The *Contractor* undertakes to take all reasonable precautions to maintain the health and safety of persons in and about the execution of the *service*. Without limitation the *Contractor*:

- accepts that the *Employer* may appoint him as the "Principal Contractor" (as defined and provided for under the Construction Regulations 2014 (promulgated under the Occupational Health & Safety Act 85 of 1993) ("the Construction Regulations") for the Affected Property;
- 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 & 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 & safety in and about the execution of the *service*; and
- undertakes, in and about the execution of the *service*, to comply with the Construction Regulations and with all applicable health & 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 *Contractor's* direction and control, likewise observe and comply with the foregoing.

Z6.2 The *Contractor*, in and about the execution of the *service*, 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 *Contractor's* direction and control, likewise observe and comply with the foregoing.

**Z7 Provision of a Tax Invoice and interest. Add to core clause 51**

Z7.1 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 in accordance with the *Employer*'s procedures stated in the Service Information, showing the amount due for payment equal to that stated in the payment certificate.

Z7.2 If the *Contractor* does not provide a tax invoice in the form and by the time required by this contract, the time by when the *Employer* 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 *Employer* in terms of core clause 51.2 is then calculated from the delayed date by when payment is to be made.

Z7.3 The *Contractor* (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 *Employer*'s VAT number 4740101508 on each invoice he submits for payment.

**Z8 Notifying compensation events**

Z8.1 Delete the last paragraph of core clause 61.3 and replace with:

If the *Contractor* 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.

**Z9 *Employer's* limitation of liability**

Z9.1 The *Employer's* liability to the *Contractor* for the *Contractor's* indirect or consequential loss is limited to R0.00 (zero Rand)

Z9.2 The *Contractor*'s entitlement under the indemnity in 82.1 is provided for in 60.1(12) and the *Employer*'s liability under the indemnity is limited to compensation as provided for in core clause 63 and X19.11 if Option X19 Task Order applies to this contract.

**Z10 Termination: Add to core clause 91.1, at the second main bullet point, fourth sub-bullet point, after the words "against it":**

Z10.1 or had a business rescue order granted against it.

**Z11 Ethics**

For the purposes of this Z-clause, the following definitions apply:

**Affected Party** means, as the context requires, any party, irrespective of whether it is the *Contractor* or a third party, such party's employees, agents, or Subcontractors or Subcontractor's employees, or any one or more of all of these parties' relatives or friends,

**Coercive Action** means to harm or threaten to harm, directly or indirectly, an Affected Party or the property of an Affected Party, or to otherwise influence or attempt to influence an Affected Party to act unlawfully or illegally,

**Collusive Action** means where two or more parties co-operate to achieve an unlawful or illegal purpose, including to influence an Affected Party to act unlawfully or illegally,

**Committing Party** means, as the context requires, the *Contractor*, or any member thereof in the case of a joint venture, or its employees, agents, or Subcontractors or the Subcontractor's employees,

**Corrupt Action** means the offering, giving, taking, or soliciting, directly or indirectly, of a good or service to unlawfully or illegally influence the actions of an Affected Party,

**Fraudulent Action** means any unlawfully or illegally intentional act or omission that misleads, or attempts to mislead, an Affected Party, in order to obtain a financial or other benefit or to avoid an obligation or incurring an obligation,

**Obstructive Action** means a Committing Party unlawfully or illegally destroying, falsifying, altering or concealing information or making false statements to materially impede an investigation into allegations of Prohibited Action, and

**Prohibited Action** means any one or more of a Coercive Action, Collusive Action Corrupt Action, Fraudulent Action or Obstructive Action.

Z11.1 A Committing Party may not take any Prohibited Action during the course of the procurement of this contract or in execution thereof.

Z11.2 The *Employer* may terminate the *Contractor*'s obligation to Provide the Services 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 Services for this reason.

Z11.3 If the *Employer* terminates the *Contractor*'s obligation to Provide the Services for this reason, the amounts due on termination are those intended in core clauses 92.1 and 92.2.

Z11.4 A Committing Party co-operates fully with any investigation pursuant to alleged Prohibited

Action. Where the *Employer* does not have a contractual bond with the Committing Party, the *Contractor* ensures that the Committing Party co-operates fully with an investigation.

## Z12 Insurance

**Z_12_.1 Replace core clause 83 with the following:**

**Insurance cover** 83

83.1 When requested by a Party, the other Party provides certificates from his insurer or broker stating that the insurances required by this contract are in force.

83.2 The *Contractor* provides the insurances stated in the Insurance Table A from the *starting date* until the earlier of Completion and the date of the termination certificate.

INSURANCE TABLE A

| Insurance against | Minimum amount of cover or minimum limit of indemnity |
|---|---|
| Loss of or damage caused by the *Contractor* to the *Employer*'s property | The replacement cost where not covered by the *Employer*'s insurance.<br><br>The *Employer*'s policy deductible as at Contract Date, where covered by the *Employer*'s insurance. |
| Loss of or damage to Plant and Materials | The replacement cost where not covered by the *Employer*'s insurance.<br><br>The *Employer*'s policy deductible as at Contract Date, where covered by the *Employer*'s insurance. |
| Loss of or damage to Equipment | The replacement cost where not covered by the *Employer*'s insurance.<br><br>The *Employer*'s policy deductible as at Contract Date, where covered by the *Employer*'s insurance. |
| The *Contractor*'s liability for loss of or damage to property (except the *Employer*'s property, Plant and Materials and Equipment) and liability for bodily injury to or death of a person (not an employee of the *Contractor*) arising from or in connection with the *Contractor*'s Providing the Service | Loss of or damage to property<br>The replacement cost<br><br>Bodily injury to or death of a person<br>The amount required by the applicable law. |
| Liability for death of or bodily injury to employees of the *Contractor* arising out of and in the course of their employment in connection with this contract | The amount required by the applicable law |

**Z 12.2 Replace core clause 86 with the following:**

**Insurance by the *Employer***

86

86.1 The *Employer* provides the insurances stated in the Insurance Table B

**INSURANCE TABLE B**

| Insurance against or name of policy | Minimum amount of cover or minimum lir of indemnity |
|---|---|
| Assets All Risk | Per the insurance policy document |
| Contract Works insurance | Per the insurance policy document |
| Environmental Liability | Per the insurance policy document |
| General and Public Liability | Per the insurance policy document |
| Transportation (Marine) | Per the insurance policy document |
| Motor Fleet and Mobile Plant | Per the insurance policy document |
| Terrorism | Per the insurance policy document |
| Cyber Liability | Per the insurance policy document |
| Nuclear Material Damage and Business Interruption | Per the insurance policy document |
| Nuclear Material Damage Terrorism | Per the insurance policy document |

**Z13 Nuclear Liability**

Z13.1 The *Employer* is the operator of the Koeberg Nuclear Power Station (KNPS), a nuclear installation, as designated by the National Nuclear Regulator of the Republic of South Africa, and is the holder of a nuclear licence in respect of the KNPS.

Z13.2 The *Employer* is solely responsible for and indemnifies the *Contractor* or any other person against any and all liabilities which the *Contractor* or any person may incur arising out of or resulting from nuclear damage, as defined in Act 47 of 1999, save to the extent that any liabilities are incurred due to the unlawful intent of the *Contractor* or any other person or the presence of the *Contractor* or that person or any property of the *Contractor* or such person at or in the KNPS or on the KNPS site, without the permission of the *Employer* or of a person acting on behalf of the *Employer*.

Z13.3 Subject to clause Z13.4 below, the *Employer* waives all rights of recourse, arising from the aforesaid, save to the extent that any claims arise or liability is incurred due or attributable to the unlawful intent of the *Contractor* or any other person, or the presence of the *Contractor* or that person or any property of the *Contractor* or such person at or in the KNPS or on the KNPS site, without the permission of the *Employer* or of a person acting on behalf of the *Employer*.

Z13.4 The *Employer* does not waive its rights provided for in section 30 (7) of Act 47 of 1999, or any replacement section dealing with the same subject matter.

Z13.5 The protection afforded by the provisions hereof shall be in effect until the KNPS is decommissioned.

## Z14 Asbestos

For the purposes of this Z-clause, the following definitions apply:

**AAIA** means approved asbestos inspection authority.

**ACM** means asbestos containing materials.

**AL** means action level, i.e. a level of 50% of the OEL, i.e. 0.1 regulated asbestos fibres per ml of air measured over a 4 hour period. The value at which proactive actions is required in order to control asbestos exposure to prevent exceeding the OEL.

**Ambient Air** means breathable air in area of work with specific reference to breathing zone, which is defined to be a virtual area within a radius of approximately 30cm from the nose inlet.

**Compliance Monitoring** means compliance sampling used to assess whether or not the personal exposure of workers to regulated asbestos fibres is in compliance with the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.

**OEL** means occupational exposure limit.

**Parallel Measurements** means measurements performed in parallel, yet separately, to existing measurements to verify validity of results.

**Safe Levels** means airborne asbestos exposure levels conforming to the Standard's requirements for safe processing, handling, storing, disposal and phase-out of asbestos and asbestos containing material, equipment and articles.

**Standard** means the *Employer*'s Asbestos Standard 32-303: Requirements for Safe Processing, Handling, Storing, Disposal and Phase-out of Asbestos and Asbestos Containing Material, Equipment and Articles.

**SANAS** means the South African National Accreditation System.

**TWA** means the average exposure, within a given workplace, to airborne asbestos fibres, normalised to the baseline of a 4 hour continuous period, also applicable to short term exposures, i.e. 10-minute TWA.

Z14.1 The *Employer* ensures that the Ambient Air in the area where the *Contractor* will Provide the Services conforms to the acceptable prescribed South African standard for asbestos, as per the regulations published in GNR 155 of 10 February 2002, under the Occupational Health and Safety Act, 1993 (Act 85 of 1993) ("Asbestos Regulations"). The OEL for asbestos is 0.2 regulated asbestos fibres per millilitre of air as a 4-hour TWA, averaged over any continuous period of four hours, and the short term exposure limit of 0.6 regulated asbestos fibres per millilitre of air as a 10-minute TWA, averaged over any 10 minutes, measured in accordance with HSG248 and monitored according to HSG173 and OESSM.

Z14.2 Upon written request by the *Contractor*, the *Employer* certifies that these conditions prevail. All measurements and reporting are effected by an independent, competent, and certified occupational hygiene inspection body, i.e. a SANAS accredited and Department of Employment and Labour approved AAIA. The *Contractor* may perform Parallel Measurements and related control measures at the *Contractor*'s expense. For the purposes of compliance the results generated from Parallel Measurements are evaluated only against South African statutory limits as detailed in clause Z14.1. Control measures conform to the requirements stipulated in the AAIA-

approved asbestos work plan.

Z14.3 The *Employer* manages asbestos and ACM according to the Standard.

Z14.4 In the event that any asbestos is identified while Providing the Services, a risk assessment is conducted and if so required, with reference to possible exposure to an airborne concentration of above the AL for asbestos, immediate control measures are implemented and relevant air monitoring conducted in order to declare the area safe.

Z14.5 The *Contractor*'s personnel are entitled to stop working and leave the contaminated area forthwith until such time that the area of concern is declared safe by either Compliance Monitoring or an AAIA approved control measure intervention, for example, per the emergency asbestos work plan, if applicable.

Z14.6 The *Contractor* continues to Provide the Services, without additional control measures presented, on presentation of Safe Levels. The contractually agreed dates to Provide the Services, including the Completion Date, are adjusted accordingly. The contractually agreed dates are extended by the notification periods required by regulations 3 and 21 of the Asbestos Regulations, 2001.

Z14.7 Any removal and disposal of asbestos, asbestos containing materials and waste, is done by a registered asbestos contractor, instructed by the *Employer* at the *Employer*'s expense, and conducted in line with South African legislation.

# C1.2 Contract Data

## Part two - Data provided by the *Contractor*

**[Instructions to the contract compiler: (delete this notes before issue to tenderers with an enquiry)** Whenever a cell is shaded in the left hand column it denotes this data is optional and would be required in relation to the option selected. In the event that the option is not required select and delete the whole row.]

**Notes to a tendering contractor:**

1. Please read both the both the NEC3 Term Service Contract April 2013 and the relevant parts of its Guidance Notes (TSC3-GN)[1] in order to understand the implications of this Data which the tenderer is required to complete.
2. The number of the clause which requires the data is shown in the left hand column for each statement however other clauses may also use the same data.
3. Where a form field like this [ ] appears, data is required to be inserted relevant to the option selected. Click on the form field ***once*** and type in the data. Otherwise complete by hand and in ink.

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

| Clause | Statement | Data |
|---|---|---|
| 10.1 | The *Contractor* is (Name):<br>Address<br>Tel No.<br>Fax No. | |
| 11.2(8) | The *direct fee percentage* is<br>The *subcontracted fee percentage* is | **%**<br>**%** |
| 11.2(14) | The following matters will be included in the Risk Register | |
| 11.2(15) | The Service Information for the *Contractor*'s plan is in: | |
| 21.1 | The plan identified in the Contract Data is contained in: | |
| 24.1 | The key people are:<br>1 Name:<br>Job:<br>Responsibilities:<br>Qualifications:<br>Experience:<br>2 Name:<br>Job | |

[1] Available from Engineering Contract Strategies Tel 011 803 3008 Fax 086 5391902 or www.ecs.co.za

Responsibilities:

Qualifications:

Experience:

| | | **CV's (and further key person's data including CVs) are in .** |
|---|---|---|
| **A** | **Priced contract with price list** | |
| 11.2(12) | The *price list* is in | |
| 11.2(19) | The tendered total of the Prices is | **R** |
| **C** | **Target contract with price list** | |
| 11.2(12) | The *price list* is in | |
| 11.2(20) | The tendered total of the Prices is | **R** |
| **E** | **Cost reimbursable contract** | |
| 11.2(12) | The *price list* is in | |

# PART 2: PRICING DATA

## TSC3 Option A

| Document reference | Title | No of pages |
|---|---|---|
| C2.1 | Pricing assumptions: Option A | 2 |
| C2.2 | The *price list* | **[●]** |

# C2.1 Pricing assumptions: Option A

## 1. How work is priced and assessed for payment

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

**Identified and defined terms** 11 11.2 (12) The Price List is the *price list* unless later changed in accordance with this contract.

(17) The Price for Services Provided to Date is the total of

- the Price for each lump sum item in the Price List which the *Contractor* has completed and
- where a quantity is stated for an item in the Price List, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate.

(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.

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.

## 2. 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.

## 3. 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).

## 4. 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.

## 4.1. 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*

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| | **ITEM 1** | | | | |
| **1** | **PRELIMINARIES AND GENERAL** | | | | |
| 1.1 | Safety File | Once Off | 1 | | |
| | **Sub-total Item 1 (Preliminaries and General) carried to Final Summary** | | | | |
| | **ITEM 2** | | | | |
| **2** | **SUPPLY AND DELIVERY OF MISCELLANEOUS SPARES** | | | | |
| 2.1 | Supply and Delivery of Miscellaneous Spares | Item | 1 | | |
| | **Sub-total Item 2 (Supply and Delivery of Miscellaneous Spares) carried to Final Summary** | | | | |
| | **ITEM 3** | | | | |
| **3** | **REFURBISHMENT OF MISCELLANEOUS SPARES** | | | | |
| 3.1 | Refurbishment of of Miscellaneous Spares | Item | 1 | | |
| | **Sub-total Item 3 (Refurbishment of of Miscellaneous Spares) carried to Final Summary** | | | | |
| | **Final Summary** | | | | |
| ITEM 1 | PRELIMINARIES AND GENERAL | | | | |
| ITEM 2 | SUPPLY AND DELIVERY OF MISCELLANEOUS SPARES | | | | |

| | | | | | |
|---|---|---|---|---|---|
| ITEM 3 | REFURBISHMENT OF MISCELLANEOUS SPARES | | | | |
| | **Final Summary Total (Excl VAT)** | | | | |

**SUPPLY AND DELIVERY OF MISCELLANEOUS SPARES**

| ITEM NO | COMPONENT | EQUIPMENT NAME | MATERIAL NUMBER | DESCRIPTION | AREA-LOCATION | UOM | QTY | RATE | AMOUNT |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Winches** | TAC1&2, OLC1&2, SYS1, T4A-F take-up winch, Reclaimer 1,2&3 rake winch. | 0620039 | WINCH: TYPE: ELECTRIC MOTORIZED TAKE UP; CAPACITY: 8.2 T; DIMENSIONS: WD 723 X HT 698 MM; SUPPL P/N: 13000.S; DRAWING NO: AC0301-0403-ALL-MAN-E00030 REV 0; INPUT SPEED: 193 RPM; GEAR RATIO: 392:1; FACTOR OF SAFETY 4.5:1; ROPE SIZE AND CONSTRUCTION: DIA (6 X 36) X LG 26 M GALVANISED STL; ROPE SPEED: 0.7M/MM (FULL DRUM); ROPE CAPACITY: 103 M (FULL DRUM); ELECTRIC GEARED MOTOR; WEG-MOTOR SPEC: 2.2 KW; 400V; 50HZ; IP66; 4 POLE; NFP; SQUIRREL CAGE; FLANGED MOUNTED; FRAME: 100L; CW SITI TYPE; MNHL 25/2-7.37:1; PAM 28/250; HELICAL GEARBOX; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS | Coal Plant | Each | 20 | | |
| 2 | | ERC | 0620037 | WINCH: TYPE: ELECTRIC MOTORIZED TAKE UP; CAPACITY: 3.5 T; DIMENSIONS: WD 476 X LG 396 X HT 443 MM; SUPPL P/N: 5000.S; DRAWING NO: AC0301-0403-ALL-MAN-E0028 REV 0; INPUT SPEED: 193 RPM; GEAR RATIO: 76.8:1; 1.5M/MM (1ST LAYER); ROPE CAPACITY: 63 M (FULL DRUM); ELECTRIC GEARED MOTOR; WEG-MOTOR SPEC: 2.2 KW; 400V; 50HZ; IP66; 4 POLE; NFP; SQUIRREL CAGE; FLANGED MOUNTED; FRAME: 100L; CW SITI TYPE; MNHL 25/2-7.37:1; PAM 28/250; HELICAL GEARBOX; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS | Ash Plant | Each | 5 | | |
| 3 | | ESC & CVY1 | 0620038 | WINCH: TYPE: ELECTRIC MOTORIZED TAKE UP; CAPACITY: 5.4 T; DIMENSIONS: WD 710 X HT 638 MM; SUPPL P/N: 8000.S; DRAWING NO: AC0301-0403-ALL-MAN-E0029 REV 0; INPUT SPEED: 193 RPM; GEAR RATIO: 152:1; FACTOR OF SAFETY 4.5:1; ROPE SIZE AND CONSTRUCTION: DIA (6 X 36) X LG 20 M GALVANISED STL; ROPE SPEED: 1.3M/MM (FULL DRUM); ROPE CAPACITY: 94 M (FULL DRUM); ELECTRIC GEARED MOTOR; WEG-MOTOR SPEC: 2.2 KW; 400V; 50HZ; IP66; 4 POLE; NFP; SQUIRREL CAGE; FLANGED MOUNTED; FRAME: 100L; CW SITI TYPE; MNHL 25/2-7.37:1; PAM 28/250; HELICAL GEARBOX; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS | Ash Plant | Each | 5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4 | | T4A-F moving head, TAC1. | 620040 | WINCH: TYPE: MOVING HEAD; CAPACITY: 1.8 T; DIMENSIONS: WD 850 X LG 973 X HT 585 MM; DRAWING NO: AC0301-0403-ALL-MAN-E00031 REV 0; WITH FLANGE: DIA 450MM; ENDS GROOVED TO SUIT: DIA 16MM SWR; WINCH BASE: WD 850 X LG 973; EPICYCLIC GEAR: HE30; RATIO: 5.8:1; BONFIGLIOLI MODEL W110-UFC-P100-B5/B8; FLANGE MOUNTED UNIT RATIO: 40:1; ELECTRIC MOTOR SPEC: WEG-MOTOR 3 KW; 400V; 50HZ; IP55; 4 POLE; NFP; SQUIRREL CAGE; MOUNTED: FLANGE; FRAME: 100L; CW BINDER TYPE 76431-13H00; ELECTRONIMAGNETIC DISC BRAKE AND ELECTRONIC RECTIFIER TYPE 32-67304-B00 (220-500VAC) MOTOR AND BRAKE CERTIFIED DUST IGNITION PROOF; ROPE SIZE AND CONSTRUCTION: DIA (6 X 36) X LG 16 M GALVANIZED STL; ROPE SPEED: 5.4M/MM (FULL DRUM); ROPE CAPACITY: 10 M (TRAVEL); SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS | Ash Plant | Each | 10 | | |
| 5 | | | 582673 | WINCH: TYPE: MOTORIZED HAND; CAPACITY: 6000 KG; DIMENSIONS: 1678 X 723 X 698 MM; MANUF P/N: 130005MK2; DRAWING NO: 0.84/10517 SHT1 REV 0; SUPPLIED WITH 2.2KW 400V IP65 MOTOR; ROPE SPEED: 0.7M/MIN; ROPE SIZE: DIA 22 X 6 X 36 (IWRC) GALVANISED; RIGHT HAND DRUM GROOVE 23 PITCH 5.5MM DEEP 11.5 M RADIUS | Coal Plant | Each | 5 | | |
| 6 | | SY1, SY3A&B moving head, SYR1,2 &3 moving head and SYS2. | 0635883 | WINCH: TYPE: MOVING HEAD; CAPACITY: 3 T; DIMENSIONS: WD 1 M X LG 1.095 M X HT 752.4 MM; SUPPL P/N: 4835-302-SY | Coal plant | Each | 20 | | |
| 7 | | | 0634524 | WINCH: TYPE: MOVING HEAD; CAPACITY: 1.8 T; DIMENSIONS: WD 16 X LG 36 X HT 6 MM; LAY ON/LAY OFF; MATERIAL: GLAV STL WIRE ROPE; TRAVEL: 10M; ROPE SPEED: 5.4M/MIN; 1/2 AB ELECTRIC WINCH | Ash & Limestone | Each | 5 | | |
| 1 | **Sheave Wheels** | | 0648223 | WHEEL: TYPE: HORIZONTAL SHEAVE; HUB SIZE: 50 MM; OUTSIDE DIAMETER: 328 MM; WIDTH: 100 MM; MATERIAL: STL; DRAWING NO: 4132HRK-0/301 REV 0; ROOT DIA: 280MM; SHEAVE ACCOMMODATE 16MM WIRE ROPE; SHEAVE ASSEMBLY C/W BEARINGS; 2X ROPE KEEPS WITH 3 SELECTABLE POSITIONS AND MOUNTING FRAME; GREASE NIPPLE (1/8IN BSP); ITEM SHOULD BE PAINTED FOR CORROSION PROTECTION; DATA SHEET SHALL BE SUPPLIED WITH EVERY DELIVER; TO BE USED AT ESC TAKE-UP | Ash plant | Each | 5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 2 | | | 0648222 | WHEEL: TYPE: VERTICAL SHEAVE; HUB SIZE: 55 MM; OUTSIDE DIAMETER: 410 MM; WIDTH: 110 MM; MATERIAL: STL; DRAWING NO: 4133VRK-0/301 REV 0; ROOT DIA: 350MM; SHEAVE ACCOMMODATE 20MM WIRE ROPE; SHEAVE ASSEMBLY C/W BEARINGS; 2X ROPE KEEPS WITH 3 SELECTABLE POSITIONS AND MOUNTING FRAME; GREASE NIPPLE (1/8IN BSP); ITEM SHOULD BE PAINTED FOR CORROSION PROTECTION; DATA SHEET SHALL BE SUPPLIED WITH EVERY DELIVER; TO BE USED AT ESC TAKE-UP | Ash Plant | Each | 5 | | |
| 3 | | | 0635133 | WHEEL: TYPE: SHEAVE; HUB SIZE: 50 MM; OUTSIDE DIAMETER: 328 MM; WIDTH: 100 MM; MATERIAL: STL; DRAWING NO: 4132VRK-0 REV 0; USED FOR VERTICAL AND HORIZONTAL; ROOT DIA: 280 MM; ROPE DIA: 16 MM; SHEAVE C/W BEARING AND ROPE KEEPS (AT ENTRY AND EXIT OF ROPE); ROPE CLEARANCE: 240 MM; SUPPLY BRACKET; GREASE NIPPLE BSP1/8 IN; DATA SHEET SHOULD BE SUPPLIED WITH EVERY DELIVERY | Ash Plant & Coal Plant | Each | 5 | | |
| 4 | | | 0635132 | WHEEL: TYPE: SHEAVE; HUB SIZE: 55 MM; OUTSIDE DIAMETER: 410 MM; WIDTH: 110 MM; MATERIAL: STL; DRAWING NO: 4133HRK-0 REV 0; USED FOR VERTICAL AND HORIZONTAL; ROOT DIA: 350 MM; ROPE DIA: 20 MM; SHEAVE C/W BEARING AND ROPE KEEPS (AT ENTRY AND EXIT OF ROPE); ROPE CLEARANCE: 290 MM; SUPPLY BRACKET; GREASE NIPPLE BSP1/8 IN; DATA SHEET SHOULD BE SUPPLIED WITH EVERY DELIVERY | Ash Plant & Coal Plant | Each | 5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5 | | | 0634500 | WHEEL: TYPE: SHEAVE; HUB SIZE: 65 MM; OUTSIDE DIAMETER: 579 MM; WIDTH: 70 MM; MATERIAL: STL; DRAWING NO: 4135HRK-0 REV 0; APPLICATION: TAC AND OLC HORIZONTAL TAKE-UP; ROOT DIA: 490MM; ROPE DIA: 28MM; 2X ROPES KEEPS WITH 3 SELECTABLE POSITIONS AND MOUNTING FRAME/BASKET; GREASE NIPPLE (BSP 1/8IN); ITEM TO BE PAINTED FOR CORROSION PROTECTION; DATA SHEET SHALL BE SUPPLIED WITH EACH DELIVERY | Ash Plant | Each | 5 | | |
| 6 | | | 0634501 | WHEEL: TYPE: SHEAVE; HUB SIZE: 65 MM; OUTSIDE DIAMETER: 574 MM; WIDTH: 70 MM; MATERIAL: STL; DRAWING NO: 4135VRK-0 REV 0; APPLICATION: TAC AND OLC VERTICAL TAKE-UP; ROOT DIA: 490MM; ROPE DIA: 28MM; 2X ROPES KEEPS WITH 3 SELECTABLE POSITIONS AND MOUNTING FRAME/BASKET; ROPE CLEARANCE CUT OUT 406MM; GREASE NIPPLE (BSP 1/8IN); ITEM TO BE PAINTED FOR CORROSION PROTECTION; DATA SHEET SHALL BE SUPPLIED WITH EACH DELIVERY | Ash plant | Each | 5 | | |
| 7 | | | 0660499 | WHEEL: TYPE: SHEAVE; HUB SIZE: 90 MM; OUTSIDE DIAMETER: 575 MM; WIDTH: 100 MM; MATERIAL: STL; SUPPL P/N: 1471.02.4013/3; 90H11; H9 (SHAFT); EMERGENCY ASH RECLAIMER HOIST DEVICE; ROOT DIA: 500MM; SHEAVE SUITABLE FOR 20MM WIRE ROPE; GREASE NIPPLE (1/8IN BSP) ITEM TO BE PAINTED FOR CORROSION, ONE SET CONTAINS 3X SHEAVE WHEELS; TECHNICAL DATASHEET TO BE PROVIDED ON EVERY DELIVERY | Ash Plant | Each | 5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 8 | | | 0635130 | WHEEL: TYPE: SHEAVE; HUB SIZE: 60 MM; OUTSIDE DIAMETER: 513 MM; WIDTH: 124 MM; MATERIAL: STL; DRAWING NO: 4134HRK-0 REV 0; USED FOR VERTICAL AND HORIZONTAL; ROOT DIA: 438 MM; ROPE DIA: 26 MM; SHEAVE C/W BEARING AND ROPE KEEPS (AT ENTRY AND EXIT OF ROPE); ROPE CLEARANCE: 374 MM; SUPPLY BRACKET; GREASE NIPPLE BSP1/8 IN; DATA SHEET SHOULD BE SUPPLIED WITH EVERY DELIVERY | Coal Plant | Each | 5 | | |
| 9 | | | 0661172 | WHEEL SET, RAILWAY: TYPE: TRAVEL; WIDTH: 110 MM; WHEEL BASE: 7 T; AXLE TYPE: PORTAL; WEIGHT: 18.3 KG; SUPPL P/N: DRS-160-NA-A-65-K-X-X; REFERENCE NO: 82506259; WHEEL DIA: 160MM; WHEEL MUST BE SUPPLIED WITH SWEEPER; DATASHEET AND DRAWINGS TO BE SUPPLIED ON EVERY DELIVERY | Coal Plant | Each | 5 | | |
| 1 | **Ropes** | | 0581490 | ROPE, WIRE: DIAMETER: 3-5 MM; OVERALL LENGTH: 600 M; CONSTRUCTION: 6X7+FC PVC RED; MATERIAL: STL GALV; STRENGTH: 6 KN; ROPE TYPE: FC; LAY: BRAIDED RHRL; SPECIFICATION: JIS G3525; MANUF P/N: CAB47; USED TO CONNECT PULL KEYS ON THE CONVEYOR PROTECTION SYSTEM, NORMAL BREAKING FORCE: 5.85KN; CHEMICAL COMPOSITION: C (70%), MN (0.55%), S (0.012%), P (0.007%) AND SI (0.21%); COATED WITH RED PVC SLEEVE; 1MM THICK | Coal plant | m | 300 | | |
| 2 | | | 0592748 | ROPE, WIRE: DIAMETER: 20 MM; CONSTRUCTION: 6X36F; MATERIAL: STL; STRENGTH: 259 KNM; ROPE TYPE: CORE FIBER; SPECIFICATION: EN12385/4/2002 | Coal Plant | m | 250 | | |
| 3 | | | 0623164 | ROPE, WIRE: DIAMETER: 26 MM; CONSTRUCTION: 6X36F; MATERIAL: STL GALV; STRENGTH: 406.3 KNM; ROPE TYPE: CORE FIBER; LAY: ORDINARY RH; APPLICATION: TAKE-UP | Coal Plant | m | 500 | | |
| 4 | | | 633968 | ROPE, WIRE: DIAMETER: 13 MM; OVERALL LENGTH: 80 M; CONSTRUCTION: (6X25); MATERIAL: STEEL GALV; STRENGTH: MBL >105 KNM; ROPE TYPE: CORE FIBER; LAY: ORDINARY RH; SPECIFICATION: SANS 2048 | Coal Plant | m | 500 | | |
| 5 | | | 0662946 | ROPE, WIRE: DIAMETER: 16 MM; CONSTRUCTION: 6X36; MATERIAL: STL GALV; STRENGTH: 3.5 T; PLEASE SUPPLY IN ROLL OF 100M = 1EA | Ash plant | Each | 5 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 1 | **Couplings** | | 624369 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1070H; BORE DIAMETER: 65 X 19 MM; TORQUE: 922 NM; MATERIAL: STL; SPEED: 4125 RPM; HIGH SPEED GRID; AL COVER; USED AT GYC2 AND EAS BOOM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant | Each | 20 | | |
| 2 | | | 0624371 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1100H; BORE DIAMETER: 41 X 107 MM; TORQUE: 5.818 KNM; MATERIAL: STL; SPEED: 2400 RPM; HIGH SPEED GRID; AL COVER; USED AT TAC1 AND 2; OLC1 AND 2; ESC; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant | Each | 30 | | |
| 3 | | | 0624370 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1080H; BORE DIAMETER: 27 X 78 MM; TORQUE: 1.901 KNM; MATERIAL: STL; SPEED: 3600 RPM; HIGH SPEED GRID; AL COVER; USED AT ERC; RSC AND EAS INTERMEDIATE; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant | Each | 20 | | |
| 4 | | Emergency stacker boom conveyor | 0624369 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1070H; BORE DIAMETER: 65 X 19 MM; TORQUE: 922 NM; MATERIAL: STL; SPEED: 4125 RPM; HIGH SPEED GRID; AL COVER; USED AT GYC2 AND EAS BOOM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant & Limestone | Each | 20 | | |
| 5 | | Limestone overbin shuttle conveyor (CVY-3) | 0624372 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1060H; BORE DIAMETER: 19 X 55 MM; TORQUE: 634 NM; MATERIAL: STL; SPEED: 4350 RPM; HIGH SPEED GRID; AL COVER; USED AT CAC AND GYC1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant & Limestone | Each | 20 | | |
| 6 | | CVY-1 | 0638989 | COUPLING, SHAFT: TYPE: RIGID FLANGE; BORE: 330 MM; OUTSIDE DIAMETER: 560 MM; LENGTH: 292 MM; MATERIAL: AL TECTILE COATING; SUPPL P/N: TC30- 330/560; LIMESTONE HANDLING; LOW SPEED GEARBOX P/N: 97QHRG3-798 | Ash plant & Limestone | Each | 10 | | |
| 7 | | CVY-1 | 0638990 | COUPLING, SHAFT: TYPE: RIGID FLANGE; BORE: 390 MM; OUTSIDE DIAMETER: 560 MM; LENGTH: 292 MM; MATERIAL: AL TECTILE COATING; SUPPL P/N: TC30- 390/560; LIMESTONE HANDLING; LOW SPEED GEARBOX P/N: 97QHRG3-798 | Ash plant & Limestone | Each | 15 | | |

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| 8 | | CVY-3 | 0634785 | COUPLING, SHAFT: TYPE: RIGID FLANGE; BORE: 230 X 400 MM; OUTSIDE DIAMETER: 235 MM; LENGTH: 350 MM; MATERIAL: AL TECTILE COATING | Ash plant & Limestone | Each | 15 | | |
| 9 | | Gypsum Conveyor | 0624369 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1070H; BORE DIAMETER: 65 X 19 MM; TORQUE: 922 NM; MATERIAL: STL; SPEED: 4125 RPM; HIGH SPEED GRID; AL COVER; USED AT GYC2 AND EAS BOOM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant & Limestone | Each | 20 | | |
| 10 | | Gypsum Conveyor | 0624372 | COUPLING, SHAFT FLEXIBLE: TYPE: HORIZONTAL SPLIT; TAPER LOCK SERIES: 1060H; BORE DIAMETER: 19 X 55 MM; TORQUE: 634 NM; MATERIAL: STL; SPEED: 4350 RPM; HIGH SPEED GRID; AL COVER; USED AT CAC AND GYC1; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant & Limestone | Each | 30 | | |
| 11 | | Gypsum Conveyor | 0634785 | COUPLING, SHAFT: TYPE: RIGID FLANGE; BORE: 230 X 400 MM; OUTSIDE DIAMETER: 235 MM; LENGTH: 350 MM; MATERIAL: AL TECTILE COATING | Ash plant & Limestone | Each | 15 | | |
| 1 | **Couplings** | | 0637573 | COUPLING, SHAFT FLEXIBLE: TYPE: TAPER GRID; TAPER LOCK SERIES: TG1090H; BORE DIAMETER: 95 X 27 MM; MATERIAL: ALUMINIUM; SPEED: 3600 RPM; SUPPL P/N: 97QHRF3-794; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). (T1A&B), (T4A – T4F), (CVY1) | Coal plant | Each | 30 | | |
| 2 | | | 0637574 | COUPLING, SHAFT FLEXIBLE: TYPE: TAPER GRID; TAPER LOCK SERIES: TG1110H; BORE DIAMETER: 117 X 41 MM; MATERIAL: ALUMINIUM; SPEED: 2550 RPM; SUPPL P/N: 97QHRL3-781; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). (SYS1) | Coal plant | Each | 10 | | |
| 3 | | | 0637239 | COUPLING, SHAFT FLEXIBLE: TYPE: TAPER GRID; TAPER LOCK SERIES: TG112H; BORE DIAMETER: 136 X 60 MM; MATERIAL: ALUMINIUM; SPEED: 2025 RPM; SUPPL P/N: 97QHRK2-777; HORIZONTAL SPLIT ALUMINIUM COVER; TYPE: H; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). (SYR1,2&3, SY3A&B) | Coal plant | Each | 30 | | |
| 4 | | | 0637575 | COUPLING, SHAFT FLEXIBLE: TYPE: TAPER GRID; TAPER LOCK SERIES: TG1130H; BORE DIAMETER: 165 X 67 MM; MATERIAL: ALUMINIUM; SPEED: 1800 RPM; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). (SYS2) | Coal plant | Each | 10 | | |
| 1 | **Mass meters** | | 665109 | Mass meter: 9101 Integrator Part no: XR136049 | Coal & Ash | Each | 20 | | |

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| | | | | | plant | | | | |
| 2 | | | 665112 | Mass meter: 60-12CSA Part no: XR462085 | Coal & Ash plant | Each | 20 | | |
| 3 | | | 665113 | Mass meter: 4-20ma Output boards (single) Part no: XR10074 | Coal & Ash plant | Each | 20 | | |
| 4 | | | 665115 | Mass meter: HMI display Modules complete Part no: XR134179 | Coal & Ash plant | Each | 20 | | |
| 5 | | | 665116 | Mass meter: 4-20ma Output boards (double) Part no: MX161724170 | Coal & Ash plant | Each | 20 | | |
| 6 | | | 665114 | Mass meter: 4-20ma Output boards (double) Part no: MX161724170 | Coal & Ash plant | Each | 20 | | |
| 7 | | | 659188 | 500KG S-Type load cell | | Each | 40 | | |
| 1 | **Sprockets** | | 0639734 | SPROCKET, WHEEL: TYPE: DRIVE CHAIN; TEETH: 32; PITCH: 1.25 IN; INSIDE DIAMETER: 90 MM; MATERIAL: STL; SUPPL P/N: 230208; TAPER LOCK 4030; MATERIAL CERTIFICATE SHOULD BE ON EVERY DELIVERY | Coal Plant | Each | 12 | | |
| 2 | | | 0639736 | SPROCKET, WHEEL: TYPE: DRIVE CHAIN; TEETH: 32; PITCH: 1.25 IN; INSIDE DIAMETER: 110 MM; MATERIAL: STL; SUPPL P/N: 230209; TAPER LOCK 4030; MATERIAL CERTIFICATE SHOULD BE ON EVERY DELIVERY | Caol Plant | Each | 12 | | |
| 3 | | | 0639735 | SPROCKET, WHEEL: TYPE: DRIVE CHAIN; TEETH: 12; PITCH: 1.25 IN; INSIDE DIAMETER: 75 MM; MATERIAL: STL; MATERIAL CERTIFICATE SHOULD BE ON EVERY DELIVERY | Caol Plant | Each | 12 | | |
| 4 | | | 0574048 | SPROCKET, WHEEL: TYPE: CONVEYOR CHAIN; STYLE: BOLT IN TEETH; TEETH: 9; PITCH: 120 MM; OUTSIDE DIAMETER: 360 MM; INSIDE DIAMETER: 265 MM; MATERIAL: STL; SUPPL P/N: HEKO 135716; DRAWING NO: KR6104-KD; HEKO RIS TYPE MULTI PART SPROCKET WITH INDIVIDUAL REPLACEABLE TEETH; FOR 30 X 120MM CHAIN, INITIAL TEETH PCD: 691 MM; HUB WIDTH: 260 MM; HUB FLANGE THICKNESS: 30 MM; RING THICKNESS 20 MM; TWO OFF 63 MM KEYWAYS TO DIN6885/1, 120 DEGREES APART OVER FULL WIDTH OF THE INSIDE BORE; THREADED HOLES WITH M 20 GRUB SCREWS AT EACH KEYWAY; DISTANCE BETWEEN BOLT HOLES FOR EACH TOOTH:70 MM; BOLT HOLE PCD: 477 MM; MACHINED, WEAR RESISTANT AND HARDENED; TO CONSIST OF LEFT AND RIGHT HUB, MOUNTED AND BOLTED IN 0% WEAR TEETH (691 MM PCD), KEYS AND GRUB SCREWS; 1 EA= 1 SET OF TWO COMPLETE SPROCKETS(LEFT AND RIGHT) WITH MATCHED MACHINED KEYWAYS; EACH SET TO BE UNIQUELY MARKED TO ENSURE EASY IDENTIFICATION OF SET; DATA SHEET OF THE MANUFACTURER NEEDS TO BE SUBMITTED WITH THE QUOTE FOR EVALUATION PURPOSES; TENDERS WITHOUT DATA SHEETS WILL BE REJECTED; QUALITY ASSURANCE DOCUMENTATION WITH DIMENSIONAL AND HARDNESS TEST SHOULD BE DELIVERED WITH THE SPARES FOR SPROCKET HUBS AND TEETH. SPARES DELIVERED WITHOUT QUALITY | Ash plant | Each | 12 | | |

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| | | | | CONTROL DOCUMENTATION WILL NOT BE ACCEPTED | | | | | |
| 1 | **Chains** | | 0640022 | CHAIN, POWER TRANSMISSION: STYLE: DUPLEX; LENGTH: 5 M; PITCH: 1.25 IN; MATERIAL: STL; APPLICATION: TIPPER CAR; SPECIFICATION: 20B-2; COMPLETE WITH MASTERLINK | Coal Plant | Each | 10 | | |
| 2 | | | 0640023 | CHAIN, POWER TRANSMISSION: STYLE: DUPLEX; LENGTH: 10 M; PITCH: 1.25 IN; MATERIAL: STL; APPLICATION: CONVEYING; SPECIFICATION: 20B-2; COMPLETE WITH MASTERLINK | Coal Plant | Each | 500 | | |
| 3 | | | 0659879 | CHAIN: TYPE: STRAND; DIMENSIONS: WD 26 MM; MATERIAL: STL; LENGTH: 92 MM; SUPPL P/N: MP4- 02140-004-00; TWO LINE 265 LINKS | Coal Plant | Each | 10 | | |
| 4 | | | 667652 | CHAIN: TYPE: ENERGY; DIMENSIONS: WD 170 X HT 80 MM; MATERIAL: PLASTIC; LENGTH: 10 M; SPECIFICATION: E4 SERIES | Coal Plant | Each | 10 | | |
| 5 | | | 0574047 | TEETH: TYPE: CONVEYOR CHAIN; MATERIAL: STL; NUMBER OF TEETH: 9 SET; SUPPL P/N: HEKO EZ30X120-EA-; APPLICATION: SSC CHAIN CONVEYOR DRIVE SPROCKET BOLT IN TEETH SET; FOR 30X120MM ROUND LINK CONVEYOR CHAIN, MACHINED, HARDENED AND HIGHLY WEAR RESISTANT; FOR USE WITH 0 PCT WORN CHAIN (NEW CHAIN); 1 EA = 1 SET CONSISTING OF 9 TEETH WITH FULL SET OF FITTED MOUNTING BOLTS AND NUTS; BOLTS: M24, GRADE 8.8, 110 MM LENGTH, 40 MM THREADED, FITTED SHANK 25 MM DIA MACHINED; NUTS: ALL METAL VIBRATION RESISTANT LOCK NUT; DATA SHEET OF THE MANUFACTURER NEEDS TO BE SUBMITTED WITH THE QUOTE FOR EVALUATION PURPOSES; TENDERS WITHOUT DATA SHEETS WILL BE REJECTED; EACH SET(EA) TO BE PACKED IN THEIR OWN INDIVIDUAL STURDY PACKAGE TO ENSURE THE SET STAYS TOGETHER DURING TRANSPORT, STORAGE AND OTHER MATERIALS MANAGEMENT ACTIVITIES; QUALITY ASSURANCE DOCUMENTATION WITH DIMENSIONAL AND HARDNESS TEST | Ash plant | Each | 18 | | |

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| | | | | SHOULD BE<br>DELIVERED WITH THE SPARES FOR SPROCKET TEETH.<br>SPARES DELIVERED WITHOUT QUALITY CONTROL DOCUMENTATION WILL NOT BE ACCEPTED; 2 EACH IS REQUIRED TO DO THE FULL DRIVE SHAFT TEETH REPLACEMENT (1 LEFT AND 1 RIGHT) | | | | | |
| 6 | | | 0574389 | CHAIN, CONVEYOR: TYPE: ROUND; PITCH: 120 MM; WIDTH: 102 MM; MATERIAL: CRNI STEEL ALLOY; LENGTH: 27.6 M; APPLICATION: SUBMERGED SCRAPER CONVEYOR; SUPPL P/N: RUD 7905667; REFERENCE NO: RUD R100 120X30; PROOF LOAD: 340KN; BREAKING LOAD: 640KN (+/- 10PCT); ELONGATION AT BREAK: 2PCT; SURFACE HARDNESS AT INTERLINK (INTRADOS):<br>800 HV30 MIN; CASE HARDENING DEPTH AT INTERLINK (INTRADOS) 550HV3 MIN: 1.35MM MIN; CARBURISING DEPTH AFTER MACRO ETCHING IN INTERLINK: 3 MM MIN; SUPPLIED IN MATCH SET; MAXIMUM DIFFERENCE IN STRAND LENGTHS: 6.9 MM MAX; 1 EA = 1 PAIR MEANING A SET OF TWO 13.8 M MATCHED LENGTH CHAINS RESULTING IN A TOTAL NOMINAL CHAIN LENGTH OF 27.6M (13.8M LEFT AND 13.8M RIGHT); TOTAL NUMBER OF LINKS: 230; CHAIN LINKS TO BE VISUALLY SYMMETRICAL AND FREE OF ANY WELDING SPATTER; A TEST CERTIFICATE WITH ALL OF THE TECHNICAL REQUIREMENTS SPECIFIED IN THIS DESCRIPTION NEEDS TO BE SUBMITTED WITH THE DELIVERY OF EACH CHAIN PAIR; CHAINS DELIVERED WITHOUT THESE TEST DOCUMENTS WILL NOT BE ACCEPTED; FOR EVALUATION PURPOSES THE SUPPLIER MUST PROVIDE A DATA SHEET INDICATING THE NORMAL FACTORY ACHIEVED VALUES OF THE REQUIRED TEST PARAMETERS SPECIFIED ABOVE FOR THE MATERIAL QUALITY OF CHAIN QUOTED ON WITH THEIR QUOTE/TENDER; TENDERS WITHOUT DATA SHEET WILL BE REJECTED; THE SSC USES 7 (13.8M PAIRS) OF THIS ITEM AND ONE 7.56M PAIR ( ANOTHER MATERIAL NUMBER) TO DO A FULL UNIT REPLACEMENT (104.16M LEFT AND 104.16M RIGHT) AND 8 CHAIN CONNECTORS PER SIDE (16 IN TOTAL) | Ash plant | Each | 12 | | |

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| 7 | | | 0574388 | LINK: TYPE: FLAT CHAIN CONNECTOR; DIMENSIONS: 30X120 MM; MATERIAL: STEEL; SUPPL P/N: RUD 7909989; REFERENCE NO: RUD UKS 30X120; TO LINK CHAIN STRANDS ON RUD 30X120 R100; ROUND LINK CHAIN; INSTALLATION USING ONLY A HAMMER AND DOWEL; NOT TO BE SECURED WITH A BOLT; DATA SHEET OF THE MANUFACTURER NEEDS TO BE SUBMITTED WITH THE QUOTE FOR EVALUATION PURPOSES; TENDERS WITHOUT DATA SHEETS WILL BE REJECTED; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash plant | Each | 64 | | |
| 1 | **Hose** | | 0640020 | HOSE, NON-METALLIC: INSIDE DIAMETER: 4.1 MM; LENGTH: 50 M; CONNECTION: COUPLED X SCREWED; MATERIAL: POLYAMIDE; MAXIMUM OPERATING PRESSURE: 350 BAR; TYPE: HIGH PRESSURE; MINIMUM INSIDE BENDING RADIUS: 35 MM; SPECIFICATION: KF300 NW4; MEDIA FOR WHICH DESIGNED: GREASE; SUPPL P/N: 111-35114-1; WALL THICKNESS: 2.3MM | Coal plant | Each | 98 | | |
| 1 | **Self- Aligning idlers** | | 0663534 | IDLER, CONVEYOR ASSEMBLY: TYPE: FLAT RETURN TRACKER; DEGREE: 0 DEG; BELT WIDTH: 900 MM; HORIZONTAL IDLER DIAMETER: 174 MM; SUPPL P/N: TTFR90HDT; HD TRUST RUBBER 12MM; SHAFT DIA: 40MM | FGD | Each | 50 | | |
| 2 | | | 0663516 | IDLER, CONVEYOR ASSEMBLY: TYPE: TROUGHING; DEGREE: 30-45 DEG; BELT WIDTH: 900 MM; HORIZONTAL IDLER DIAMETER: 127 MM; VERTICAL IDLER FACE WIDTH: 380 MM; HORIZONTAL IDLER FACE WIDTH: 320 MM; ASSEMBLY LENGTH: 1.144 M; SUPPL P/N: TTT90TAPPU; TAPER TROUGH TRACKER POLYURETHANE 12MM; SHAFT DIA: 30MM | FGD | Each | 50 | | |
| 3 | | | 0670293 | IDLER, CONVEYOR ASSEMBLY: TYPE: TAPER TROUGH TRACKER; DEGREE: 45 DEG; BELT WIDTH: 1.8 M; VERTICAL IDLER DIAMETER: 145-210 MM; HORIZONTAL IDLER DIAMETER: 152 MM; VERTICAL IDLER FACE WIDTH: 640 MM; HORIZONTAL IDLER FACE WIDTH: 646 MM; ASSEMBLY LENGTH: 2.058 M; SPECIFICATION: SANS1313-1; DRAWING NO: TTT180EXDTARRR REV 0; ASSEMBLY MATERIAL: MS LEGGED WITH EXD RUBBER RINGS; TO BE SUPPLIED AS A UNIT CONSISTING OF THREE IDLER ROLLS AND A FRAME; DATASHEET TO BE SUBMITTED FOR APPROVAL | Coal plant | Each | 100 | | |
| 4 | | | 0670292 | IDLER, CONVEYOR ASSEMBLY: TYPE: TAPER TROUGH TRACKER; DEGREE: 45 DEG; BELT WIDTH: 2.1 M; VERTICAL IDLER DIAMETER: 170-250 MM; HORIZONTAL IDLER DIAMETER: 152 MM; VERTICAL IDLER FACE WIDTH: 750 MM; HORIZONTAL IDLER FACE WIDTH: 720 MM; ASSEMBLY LENGTH: 2.058 M; SPECIFICATION: SANS1313-1; SUPPL P/N: TTDR210A; ASSEMBLY MATERIAL: MS LEGGED WITH EXD RUBBER RINGS; TO BE SUPPLIED AS A UNIT CONSISTING OF THREE IDLER ROLLS AND A FRAME; DATASHEET TO BE SUBMITTED FOR APPROVAL | Coal plant | Each | 100 | | |

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| 5 | | | 0650135 | IDLER, CONVEYOR ASSEMBLY: TYPE: TROUGH TRACKER; DEGREE: 0 DEG; BELT WIDTH: 1.2 M; SUPPL P/N: TTT120TAPPU | Coal plant | Each | 100 | | |
| 1 | **Scrappers** | Primary Scrapper Blades | 237665 | BLADE: TYPE: PRIMARY SCRAPER; DIMENSIONS: WD 150 MM; MATERIAL: PU; SUPPL P/N: 2/7.81; E101/E901, CONVEYOR OUTSIDE PLANT USED ON ASH (CONDITION POOR BELT) | Coal and Limestone plant | Each | 300 | | |
| 2 | | Primary Scrapper Blades 1800BW | 617772 | BLADE: TYPE: SECONDARY SCRAPER; DIMENSIONS: LG 120 MM; MATERIAL: TIP WC; SPECIFICATION: 2/6.05; COLOR: RED; SPECIAL FEATURES: 13 BLADES; DRAWING NO: E305-S-003 REV 0; BELT: 1800BW | Coal and Limestone plant | Each | 200 | | |
| 3 | | V-Plough Scrapper blades 2100BW | 617770 | BLADE: TYPE: V PLOUGH SCRAPER; DIMENSIONS: LG 1.47 M X HT 150 MM X THK 40 MM; MATERIAL: POLYURATHANE; SPECIFICATION: 2/4(2100); COLOR: RED; DRAWING NO: E401-248 REV 0; APPLICATION: INTERMEDIATE CONVEYORS; BELT: 2100BW | Coal and Limestone plant | Each | 50 | | |
| 4 | | V-Plough Scrapper blades 1800BW | 641932 | SCRAPER, BELT: TYPE: V-PLOUGH; DIMENSIONS: WD 150 MM X LG 1.47 M X THK 40 MM; MATERIAL: POLYURETHANE; APPLICATION: CONVEYORS; SUPPL P/N: E401-2/4(1800); VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 50 | | |
| 5 | | V-Plough Scrapper blades 1200BW | 618533 | BLADE: TYPE: V PLOUGH SCRAPER; DIMENSIONS: LG 1.03 M X HT 150 MM X THK 40 MM; MATERIAL: POLYURATHANE; SPECIFICATION: 2/4 1200; COLOR: RED | Coal and Limestone plant | Each | 300 | | |
| 6 | | V-Plough Scrapper blades 1200BW | 637712 | BLADE: TYPE: ANGLE PLOUGH; DIMENSIONS: LG 150 MM; MATERIAL: POLYURATHANE; COLOR: BLACK; SUPPL P/N: 2/5-1200; BELT WIDTH: 1.2 M | Coal and Limestone plant | Each | 50 | | |
| 7 | | Primary Scrapper Assembly 2100BW | 617775 | SCRAPER, BELT: TYPE: PRIMARY; DIMENSIONS: 2.1 M; MATERIAL: STL; APPLICATION: CONVEYORS; SUPPL P/N: E901-TT; FOR BLADE E901-114; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 10 | | |
| 8 | | Primary Scrapper Assembly 1800BW | 568379 | SCRAPER, BELT: TYPE: PRIMARY; DIMENSIONS: 3000X413X175 MM; MATERIAL: STEEL; APPLICATION: T2A-F PRIMARY CONVEYORS; MANUF P/N: HV-M 1800; FLEXCO; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 20 | | |
| 9 | | Primary Scraper Assembly 1200BW | 617758 | SCRAPER, BELT: TYPE: PRIMARY; DIMENSIONS: 1.2 M; MATERIAL: STL; APPLICATION: CONVEYOR T3A-F, T4A- F; FOR 1200MM WIDTH BELT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 30 | | |
| 10 | | Secondary Scraper Assembly 1200BW | 0617759 | SCRAPER, BELT: TYPE: DOUBLE ROW, SECONDARY; DIMENSIONS: 1.2 M; MATERIAL: STL; APPLICATION: CONVEYOR T3A-F, T4A-F, T5A-F; FOR 1200MM WITH BELT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT | Coal and Limestone plant | Each | 50 | | |

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| | | | | DRAWING REVISION NUMBER (IF APPLICABLE). | | | | | |
| 11 | | V-Plough Scraper 1200BW | 0617774 | SCRAPER, BELT: TYPE: V PLOUGH; DIMENSIONS: 900- 1350BW; MATERIAL: STL; APPLICATION: CONVEYORS; FOR BLADE E401; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 50 | | |
| 12 | | Secondary Scraper 2100BW | 0617773 | SCRAPER, BELT: TYPE: DOUBLE ROW, SECONDARY; DIMENSIONS: LG 1.35 M; MATERIAL: STL; APPLICATION: CONVEYORS; SUPPL P/N: E305-TC; USED ON BLADE E305-S-003; 2100BW; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 30 | | |
| 13 | | Secondary Scraper 1800BW | 0641930 | SCRAPER, BELT: TYPE: SECONDARY; DIMENSIONS: LG 1.87 M; MATERIAL: POLYURETHANE; APPLICATION: CONVEYORS; SUPPL P/N: E305-S(1800); DRAWING NO: E305-S-003(4/7) REV 0; 1800BW; DOUBLE ROW SECONDARY SCRAPER; STANDARD MOUNTING; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 30 | | |
| 14 | | V-plough Scrapper Assembly 2100BW | 641931 | SCRAPER, BELT: TYPE: V-PLOUGH; DIMENSIONS: LG 2.362 M; MATERIAL: POLYURETHANE; APPLICATION: CONVEYORS; SUPPL P/N: E401-V (2100); DRAWING NO: E401-248(4/7) REV 0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 50 | | |
| 15 | | V-plough Scraper Assembly 1800BW | 641929 | SCRAPER, BELT: TYPE: V PLOUGH; DIMENSIONS: LG 2.058 M; MATERIAL: POLYURETHANE; APPLICATION: CONVEYORS; SUPPL P/N: E401-V (1800); DRAWING NO: E401-248(4/5) REV 0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 50 | | |
| 16 | | V-plough Scrapper Assembly 900-1350BW | 617774 | SCRAPER, BELT: TYPE: V PLOUGH; DIMENSIONS: 900- 1350BW; MATERIAL: STL; APPLICATION: CONVEYORS; FOR BLADE E401; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Coal and Limestone plant | Each | 100 | | |
| 17 | | Angle Plough Scrapper Assembly 1200BW | 637713 | SCRAPER, BELT: TYPE: ANGLE PLOUGH; DIMENSIONS: WD 1.2 M; MATERIAL: PU/STL; APPLICATION: ASH CONVEYOR; SUPPL P/N: E505; DRAWING NO: E505-010 REV 0; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING | Coal and Limestone plant | Each | 100 | | |

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| | | | | AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | | | | | |
| 1 | **Scrappers** | Primary Belt Scrapper 1350BW | 0665605 | SCRAPER, BELT: TYPE: PRIMARY-HD; DIMENSIONS: WD 1.09 X LG 2.25 M; MATERIAL: SS/TUNGSTEN; APPLICATION: 1350BW ASH CONVEYORS; SUPPL P/N: 778013N-HD02; HEAD PULLY ASSEMBLY C/W 6X180MM BLADES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 30 | | |
| 2 | | Primary Belt Scrapper 1350BW | 0665606 | SCRAPER, BELT: TYPE: PRIMARY-BV; DIMENSIONS: LG 2.504 M; MATERIAL: SS/TUNGSTEN; APPLICATION: 1350BW ASH CONVEYORS; SUPPL P/N: B6V1350; SECONDARY SCRAPER ASSEMBLY C/W 5X240MM BLADES; ASSEMBLY COMING WITH PARALLEL MOUNTS D AND SKIRT; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 30 | | |
| 3 | | V-Plough Scrapper 1350BW | 0620979 | SCRAPER, BELT: TYPE: V PLOUGH; DIMENSIONS: LG 1.35 M; MATERIAL: STL; APPLICATION: CONVEYORS; DRAWING NO: AC301-0403-ALL-MAN-00025 REV 0; COMPLETE WITH POLYURETHANE BLADES E401; 150 MM BLADES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 50 | | |
| 4 | | Primary Belt Scrapper 1200BW | 778012N | Hosch Type HD02 1200mm Primary Scraper with HD Mounts | Ash and gypsum plant | Each | 50 | | |
| 5 | | Primary Belt Scrapper 1200BW | 0662303 | SCRAPER, BELT: TYPE: CONVEYOR; DIMENSIONS: WD 76MM X 2.4M; MATERIAL: MS POWDER COATED; APPLICATION: COAL PLANT; OEM P/N: B6V1200; C/W 5 OFF B6V 240MM BLADES & 10 OFF B6V SHORT ELEMENTS C/W RUBBER; HDPE 240MM SKIRT & TYPE C PARALLEL MOUNTS WITH 76MM LOOKING RINGS; WEIGHT: 66KG; MOUNT: MILD STEEL COATED BLADES & ELEMENTS: 3CR12; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 30 | | |
| 6 | | V-Plough Scrapper 1200BW | 0620983 | SCRAPER, BELT: TYPE: V PLOUGH; DIMENSIONS: LG 1.2 M; MATERIAL: STL; APPLICATION: CONVEYORS; COMPLETE WITH POLYURETHANE BLADES E401; 150 MM BLADES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 50 | | |
| 7 | | Blade Scrapper Short Element | 0643090 | BLADE: TYPE: SCRAPER; DIMENSIONS: WD 110 X LG 130 MM; MATERIAL: 3CR12; OEM P/N: B6V004; B6V SHORT ELEMENT TORISON ARM SHORT C/W; RUBBER BOOTS | Ash and gypsum plant | Each | 200 | | |
| 8 | | Blade: Scrapper with Tungsten | 0624119 | BLADE: TYPE: SCRAPER; DIMENSIONS: LG 240 X THK 12 MM; MATERIAL: 3CR12; COLOR: WHITE; SPECIAL FEATURES: SELF ADJUSTING REVERSING OPERATION; MANUF P/N: B6V001; HAS 10 BLADES; 1200 MM CONVEYOR BELT | Ash and gypsum plant | Each | 200 | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 9 | | Blade: Scrapper with Tungsten | 0670057 | BLADE: TYPE: TOP C/W LIP CARBIDE; DIMENSIONS: WD 180 X LG 200 X HT 40 MM; MATERIAL: STAINLESS STEEL; COLOR: SILVER; FURNISHED ITEMS: WITH HARDWARE SET INCLUDED SPECIAL FEATURES: TUNGSTEN CARBIDE TIPPED; MANUF P/N: 778181LIP; FOR USE ON HOSCH HD02/03 PRIMARY SCRAPER | Ash and gypsum plant | Each | 200 | | |
| 10 | | Primary Scraper 1200BW | 0620984 | SCRAPER, BELT: TYPE: PRIMARY HEAD; DIMENSIONS: LG 1.2 M; MATERIAL: STL; APPLICATION: CONVEYORS; COMPLETE WITH POLYURETHANE BLADES E901-TT 150 MM BLADES; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINSTTHE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 50 | | |
| 11 | | Secondary Scraper 1200BW | 0620982 | SCRAPER, BELT: TYPE: SECONDARY; DIMENSIONS: LG 1.2 M; MATERIAL: TUNGSTEN CARBIDE; APPLICATION: CONVEYORS; COMPLETE WITH POLYURETHANE DOUBLE ROW MULTI-BLADES E305S-T3; (GLASS REINFORCED NYLON BLADE 120) GRADE: 2; VENDORS ARE RESPONSIBLE FOR ENSURING THAT THEY ARE PERFORMING AGAINST THE CORRECT DRAWING REVISION NUMBER (IF APPLICABLE). | Ash and gypsum plant | Each | 50 | | |
| 12 | | Primary Scraper 900BW | 0758542 | SCRAPER ASSEMBLY: TYPE: BELT PRIMARY SCRAPERS; DIMENSIONS: WD 726mm x LG 1890mm MM; MATERIAL: TUNGSTEN-CARBIDE TIPPED; APPLICATION: BELT CLEANING; SPECIFICATION: HD02 HOSCH; THE SCRAPER SETS ARE FOR GY1A-B, GY2A-B, CVY 1, CVY 2 AND CVY 3. | Ash and gypsum plant | Each | 50 | | |
| 13 | | Hosch Secondary 900BW | 0758562 | SCRAPER ASSEMBLY: TYPE: BELT SECONDARY SCRAPERS; DIMENSIONS: 960mm x 2430mm MM; MATERIAL: TUNGSTEN CARBIDE BLADE; APPLICATION: BELT CLEANING; SPECIFICATION: SPRUNG BLADE B6V HOSCH; THE SCRAPER SETS ARE FOR GYC1A-B, CVY1, CVY2 AND CVY3 | Ash and gypsum plant | Each | 20 | | |
| 1 | **Delivery** | N/A | N/A | DELIVERY (12 TON CRANE TRUCK) (2 DELIVERIES PER MONTH) | N/A | Days | 120 | | |
| | | **TOTAL AMOUNT EXCL. VAT** | | | | | | | |

**REFURBISHMENT OF MISCELLANEOUS SPARES**

| | |
|---|---|
| **Equipment Name** | TAC1&2, OLC1&2, SYS1, T4A-F take-up winch, Reclaimer 1,2&3 rake winch |
| **Equipment Description** | WINCH: TYPE: ELECTRIC MOTORIZED TAKE UP; CAPACITY: 8.2 T; DIMENSIONS: WD 723 X HT 698 MM; SUPPL P/N: 13000.S; DRAWING NO: AC0301-0403-ALL-MAN-E00030 REV 0; INPUT SPEED: 193 RPM; GEAR RATIO: 392:1; FACTOR OF SAFETY 4.5:1; ROPE SIZE AND CONSTRUCTION: DIA (6 X 36) X LG 26 M GALVANISED STL; ROPE SPEED: 0.7M/MM (FULL DRUM); ROPE CAPACITY: 103 M (FULL DRUM); ELECTRIC GEARED MOTOR; WEG-MOTOR SPEC: 2.2 KW; 400V; 50HZ; IP66; 4 POLE; NFP; SQUIRREL CAGE; FLANGED MOUNTED; FRAME: 100L; CW SITI TYPE; MNHL 25/2-7.37:1; PAM 28/250; HELICAL GEARBOX; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS |
| **Material Number** | 0620039 |
| **Area - Location** | Coal Plant |
| **Required Quantity** | 20 Off |

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| **1.1** | **Repair** | | | | |
| 1.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 20 | | |
| 1.1.2 | Strip and assess for winch assembly | Hours | 40 | | |
| 1.1.3 | Cleaning of all components of winch | Hours | 40 | | |
| 1.1.4 | Inspect, repair and replace gears | Hours | 30 | | |
| 1.1.5 | Inspect, repair and replacement shaft | Hours | 10 | | |
| 1.1.6 | Replacement of bearings | Hours | 10 | | |
| 1.1.7 | Inspect, repair and replace winch rope/cable | Hours | 40 | | |
| 1.1.8 | Service the rope feeder/winding guide unit | Hours | 40 | | |
| 1.1.9 | Inspect, repair the drum | Hours | 4 | | |
| 1.1.10 | Replace brake fluid, lining and seals | Hours | 40 | | |
| 1.1.11 | Welding and machining of worn-out portions | Hours | 20 | | |
| 1.1.12 | Replace all gaskets, rubber items and seals | Hours | 4 | | |
| 1.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 10 | | |
| 1.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 10 | | |
| 1.1.15 | One coat of orange enamel applied on the exterior | Hours | 10 | | |
| 1.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 20 | | |
| **1.2** | **Testing** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 1.2.1 | Vibration and other non-destructive testing | Hours | 20 | | |
| 1.2.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 20 | | |
| **1.3** | **Documentation** | | | | |
| 1.3.1 | Strip condition report (Engineering Technician) | Each | 20 | | |
| 1.3.2 | QCP (Quality Control Plan) | Each | 20 | | |
| 1.3.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 20 | | |
| 1.3.4 | Strip condition report | **Included in item 1.3.3** | | | |
| 1.3.5 | Copy of Quotation | | | | |
| 1.3.6 | Copy of order | | | | |
| 1.3.7 | Assembly condition report | | | | |
| 1.3.8 | Completed QCP | | | | |
| 1.3.9 | Material Certificates (where applicable) | | | | |
| 1.3.10 | NDT Test Reports (where applicable) | | | | |
| 1.3.11 | Performnace test Certificate | | | | |
| 1.3.12 | Final QC check list | | | | |
| 1.3.13 | Warranty Certificate | | | | |
| **1.4** | **Transportation** | | | | |
| 1.4.1 | Collection from site (4 Ton Truck) | Each | 20 | | |
| 1.4.2 | Delivery to site (4 Ton Truck) | Each | 20 | | |
| 1.4.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 40 | | |
| **Total for Item 1 (TAC1&2, OLC1&2, SYS1, T4A-F take-up winch, Reclaimer 1,2&3 rake winch)** | | | | | |

| | |
|---|---|
| **Equipment Name** | ERC |
| **Equipment Description** | WINCH: TYPE: ELECTRIC MOTORIZED TAKE UP; CAPACITY: 3.5 T; DIMENSIONS: WD 476 X LG 396 X HT 443 MM; SUPPL P/N: 5000.S; DRAWING NO: AC0301-0403-ALL-MAN-E0028 REV 0; INPUT SPEED: 193 RPM; GEAR RATIO: 76.8:1; 1.5M/MM (1ST LAYER); ROPE CAPACITY: 63 M (FULL DRUM); ELECTRIC GEARED MOTOR; WEG-MOTOR SPEC: 2.2 KW; 400V; 50HZ; IP66; 4 POLE; NFP; SQUIRREL CAGE; FLANGED MOUNTED; FRAME: 100L; CW SITI TYPE; MNHL 25/2-7.37:1; PAM 28/250; HELICAL GEARBOX; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS |
| **Material Number** | 0620037 |
| **Area - Location** | Ash Plant |
| **Required Quantity** | 5 Off |

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| **2.1** | **Repair** | | | | |
| 2.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 5 | | |
| 2.1.2 | Strip and assess for winch assembly | Hours | 10 | | |
| 2.1.3 | Cleaning of all components of winch | Hours | 10 | | |
| 2.1.4 | Inspect, repair and replace gears | Hours | 7.5 | | |
| 2.1.5 | Inspect, repair and replacement shaft | Hours | 2.5 | | |
| 2.1.6 | Replacement of bearings | Hours | 2.5 | | |
| 2.1.7 | Inspect, repair and replace winch rope/cable | Hours | 10 | | |
| 2.1.8 | Service the rope feeder/winding guide unit | Hours | 10 | | |
| 2.1.9 | Inspect, repair the drum | Hours | 1 | | |
| 2.1.10 | Replace brake fluid, lining and seals | Hours | 10 | | |
| 2.1.11 | Welding and machining of worn-out portions | Hours | 5 | | |
| 2.1.12 | Replace all gaskets, rubber items and seals | Hours | 1 | | |
| 2.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 2.5 | | |
| 2.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 2.5 | | |
| 2.1.15 | One coat of orange enamel applied on the exterior | Hours | 2.5 | | |
| 2.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 5 | | |
| **2.2** | **Testing** | | | | |
| 2.2.1 | Vibration and other non-destructive testing | Hours | 5 | | |
| 2.2.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 5 | | |
| **2.3** | **Documentation** | | | | |
| 2.3.1 | Strip condition report (Engineering Technician) | Each | 5 | | |
| 2.3.2 | QCP (Quality Control Plan) | Each | 5 | | |
| 2.3.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 5 | | |
| 2.3.4 | Strip condition report | **Included in item 2.3.3** | | | |
| 2.3.5 | Copy of Quotation | | | | |
| 2.3.6 | Copy of order | | | | |
| 2.3.7 | Assembly condition report | | | | |
| 2.3.8 | Completed QCP | | | | |
| 2.3.9 | Material Certificates (where applicable) | | | | |
| 2.3.10 | NDT Test Reports (where applicable) | | | | |
| 2.3.11 | Performnace test Certificate | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 2.3.12 | Final QC check list | | | | |
| 2.3.13 | Warranty Certificate | | | | |
| **2.4** | **Transportation** | | | | |
| 2.4.1 | Collection from site (4 Ton Truck) | Each | 5 | | |
| 2.4.2 | Delivery to site (4 Ton Truck) | Each | 5 | | |
| 2.4.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 10 | | |
| **Total for Item 2 (ERC)** | | | | | |

**Equipment Name** ESC & CVY1

**Equipment Description** WINCH: TYPE: ELECTRIC MOTORIZED TAKE UP; CAPACITY: 5.4 T; DIMENSIONS: WD 710 X HT 638 MM; SUPPL P/N: 8000.S; DRAWING NO: AC0301-0403-ALL-MAN-E0029 REV 0; INPUT SPEED: 193 RPM; GEAR RATIO: 152:1; FACTOR OF SAFETY 4.5:1; ROPE SIZE AND CONSTRUCTION: DIA (6 X 36) X LG 20 M GALVANISED STL; ROPE SPEED: 1.3M/MM (FULL DRUM); ROPE CAPACITY: 94 M (FULL DRUM); ELECTRIC GEARED MOTOR; WEG-MOTOR SPEC: 2.2 KW; 400V; 50HZ; IP66; 4 POLE; NFP; SQUIRREL CAGE; FLANGED MOUNTED; FRAME: 100L; CW SITI TYPE; MNHL 25/2-7.37:1; PAM 28/250; HELICAL GEARBOX; SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS

**Material Number** 0620038

**Area - Location** Ash Plant

**Required Quantity** 5 Off

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| **3.1** | **Repair** | | | | |
| 3.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 5 | | |
| 3.1.2 | Strip and assess for winch assembly | Hours | 10 | | |
| 3.1.3 | Cleaning of all components of winch | Hours | 10 | | |
| 3.1.4 | Inspect, repair and replace gears | Hours | 7.5 | | |
| 3.1.5 | Inspect, repair and replacement shaft | Hours | 2.5 | | |
| 3.1.6 | Replacement of bearings | Hours | 2.5 | | |
| 3.1.7 | Inspect, repair and replace winch rope/cable | Hours | 10 | | |
| 3.1.8 | Service the rope feeder/winding guide unit | Hours | 10 | | |
| 3.1.9 | Inspect, repair the drum | Hours | 1 | | |
| 3.1.10 | Replace brake fluid, lining and seals | Hours | 10 | | |
| 3.1.11 | Welding and machining of worn-out portions | Hours | 5 | | |

| | | | | | |
|---|---|---|---|---|---|
| 3.1.12 | Replace all gaskets, rubber items and seals | Hours | 1 | | |
| 3.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 2.5 | | |
| 3.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 2.5 | | |
| 3.1.15 | One coat of orange enamel applied on the exterior | Hours | 2.5 | | |
| 3.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 5 | | |
| **3.2** | **Testing** | | | | |
| 3.3.1 | Vibration and other non-destructive testing | Hours | 5 | | |
| 3.3.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 5 | | |
| **3.3** | **Documentation** | | | | |
| 3.3.1 | Strip condition report (Engineering Technician) | Each | 5 | | |
| 3.3.2 | QCP (Quality Control Plan) | Each | 5 | | |
| 3.3.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 5 | | |
| 3.3.4 | Strip condition report | **Included in item 3.3.3** | | | |
| 3.3.5 | Copy of Quotation | | | | |
| 3.3.6 | Copy of order | | | | |
| 3.3.7 | Assembly condition report | | | | |
| 3.3.8 | Completed QCP | | | | |
| 3.3.9 | Material Certificates (where applicable) | | | | |
| 3.3.10 | NDT Test Reports (where applicable) | | | | |
| 3.3.11 | Performnace test Certificate | | | | |
| 3.3.12 | Final QC check list | | | | |
| 3.3.13 | Warranty Certificate | | | | |
| **3.4** | **Transportation** | | | | |
| 3.4.1 | Collection from site (4 Ton Truck) | Each | 5 | | |
| 3.4.2 | Delivery to site (4 Ton Truck) | Each | 5 | | |
| 3.4.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 10 | | |
| **Total for Item 3 (ESC & CVY1)** | | | | | |

**Equipment Name** T4A-F moving head, TAC1

| | |
|---|---|
| **Equipment Description** | WINCH: TYPE: MOVING HEAD; CAPACITY: 1.8 T; DIMENSIONS: WD 850 X LG 973 X HT 585 MM; DRAWING NO: AC0301-0403-ALL-MAN-E00031 REV 0; WITH FLANGE: DIA 450MM; ENDS GROOVED TO SUIT: DIA 16MM SWR; WINCH BASE: WD 850 X LG 973; EPICYCLIC GEAR: HE30; RATIO: 5.8:1; BONFIGLIOLI MODEL W110-UFC-P100-B5/B8; FLANGE MOUNTED UNIT RATIO: 40:1; ELECTRIC MOTOR SPEC: WEG-MOTOR 3 KW; 400V; 50HZ; IP55; 4 POLE; NFP; SQUIRREL CAGE; MOUNTED: FLANGE; FRAME: 100L; CW BINDER TYPE 76431-13H00; ELECTRONIMAGNETIC DISC BRAKE AND ELECTRONIC RECTIFIER TYPE 32-67304-B00 (220-500VAC) MOTOR AND BRAKE CERTIFIED DUST IGNITION PROOF; ROPE SIZE AND CONSTRUCTION: DIA (6 X 36) X LG 16 M GALVANIZED STL; ROPE SPEED: 5.4M/MM (FULL DRUM); ROPE CAPACITY: 10 M (TRAVEL); SUPPLIER TO SUPPLY DATASHEETS/DATABOOKS |
| **Material Number** | 620040 |
| **Area - Location** | Ash Plant |
| **Required Quantity** | 10 Off |

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| **4.1** | **Repair** | | | | |
| 4.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 10 | | |
| 4.1.2 | Strip and assess for winch assembly | Hours | 25 | | |
| 4.1.3 | Cleaning of all components of winch | Hours | 25 | | |
| 4.1.4 | Inspect, repair and replace gears | Hours | 20 | | |
| 4.1.5 | Inspect, repair and replacement shaft | Hours | 5 | | |
| 4.1.6 | Replacement of bearings | Hours | 10 | | |
| 4.1.7 | Inspect, repair and replace winch rope/cable | Hours | 20 | | |
| 4.1.8 | Service the rope feeder/winding guide unit | Hours | 20 | | |
| 4.1.9 | Inspect, repair the drum | Hours | 14 | | |
| 4.1.10 | Replace brake fluid, lining and seals | Hours | 20 | | |
| 4.1.11 | Welding and machining of worn-out portions | Hours | 15 | | |
| 4.1.12 | Replace all gaskets, rubber items and seals | Hours | 2 | | |
| 4.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 5 | | |
| 4.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 10 | | |
| 4.1.15 | One coat of orange enamel applied on the exterior | Hours | 10 | | |
| 4.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 10 | | |
| **4.2** | **Testing** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 4.4.1 | Vibration and other non-destructive testing | Hours | 10 | | |
| 4.4.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 10 | | |
| **4.3** | **Documentation** | | | | |
| 4.4.1 | Strip condition report (Engineering Technician) | Each | 10 | | |
| 4.4.2 | QCP (Quality Control Plan) | Each | 10 | | |
| 4.4.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 10 | | |
| 4.4.4 | Strip condition report | **Included in item 4.3.3** | | | |
| 4.4.5 | Copy of Quotation | | | | |
| 4.4.6 | Copy of order | | | | |
| 4.4.7 | Assembly condition report | | | | |
| 4.4.8 | Completed QCP | | | | |
| 4.4.9 | Material Certificates (where applicable) | | | | |
| 4.4.10 | NDT Test Reports (where applicable) | | | | |
| 4.4.11 | Performnace test Certificate | | | | |
| 4.4.12 | Final QC check list | | | | |
| 4.4.13 | Warranty Certificate | | | | |
| **4.4** | **Transportation** | | | | |
| 4.4.1 | Collection from site (4 Ton Truck) | Each | 10 | | |
| 4.4.2 | Delivery to site (4 Ton Truck) | Each | 10 | | |
| 4.4.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 20 | | |
| **Total for Item 4 (T4A-F moving head, TAC1)** | | | | | |

**Equipment Name** N/A

**Equipment Description** WINCH: TYPE: MOTORIZED HAND; CAPACITY: 6000 KG; DIMENSIONS: 1678 X 723 X 698 MM; MANUF P/N: 130005MK2; DRAWING NO: 0.84/10517 SHT1 REV 0; SUPPLIED WITH 2.2KW 400V IP65 MOTOR; ROPE SPEED: 0.7M/MIN; ROPE SIZE: DIA 22 X 6 X 36 (IWRC) GALVANISED; RIGHT HAND DRUM GROOVE 23 PITCH 5.5MM DEEP 11.5 M RADIUS

**Material Number** 582673

**Area - Location** Coal Plant

**Required Quantity** 5 Off

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|

| | | | | | |
|---|---|---|---|---|---|
| **5.1** | **Repair** | | | | |
| 5.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 5 | | |
| 5.1.2 | Strip and assess for winch assembly | Hours | 10 | | |
| 5.1.3 | Cleaning of all components of winch | Hours | 10 | | |
| 5.1.4 | Inspect, repair and replace gears | Hours | 7.5 | | |
| 5.1.5 | Inspect, repair and replacement shaft | Hours | 2.5 | | |
| 5.1.6 | Replacement of bearings | Hours | 2.5 | | |
| 5.1.7 | Inspect, repair and replace winch rope/cable | Hours | 10 | | |
| 5.1.8 | Service the rope feeder/winding guide unit | Hours | 10 | | |
| 5.1.9 | Inspect, repair the drum | Hours | 1 | | |
| 5.1.10 | Replace brake fluid, lining and seals | Hours | 10 | | |
| 5.1.11 | Welding and machining of worn-out portions | Hours | 5 | | |
| 5.1.12 | Replace all gaskets, rubber items and seals | Hours | 1 | | |
| 5.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 2.5 | | |
| 5.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 2.5 | | |
| 5.1.15 | One coat of orange enamel applied on the exterior | Hours | 2.5 | | |
| 5.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 5 | | |
| **5.2** | **Testing** | | | | |
| 5.5.1 | Vibration and other non-destructive testing | Hours | 5 | | |
| 5.5.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 5 | | |
| **5.3** | **Documentation** | | | | |
| 5.5.1 | Strip condition report (Engineering Technician) | Each | 5 | | |
| 5.5.2 | QCP (Quality Control Plan) | Each | 5 | | |
| 5.5.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 5 | | |
| 5.5.4 | Strip condition report | **Included in item 5.3.3** | | | |
| 5.5.5 | Copy of Quotation | | | | |
| 5.5.6 | Copy of order | | | | |
| 5.5.7 | Assembly condition report | | | | |
| 5.5.8 | Completed QCP | | | | |
| 5.5.9 | Material Certificates (where applicable) | | | | |
| 5.5.10 | NDT Test Reports (where applicable) | | | | |
| 5.5.11 | Performnace test Certificate | | | | |
| 5.5.12 | Final QC check list | | | | |
| 5.5.13 | Warranty Certificate | | | | |

| | | | | | |
|---|---|---|---|---|---|
| **5.4** | **Transportation** | | | | |
| 5.5.1 | Collection from site (4 Ton Truck) | Each | 5 | | |
| 5.5.2 | Delivery to site (4 Ton Truck) | Each | 5 | | |
| 5.5.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 10 | | |
| **Total for Item 5** | | | | | |

**Equipment Name** SY1, SY3A&B moving head, SYR1,2 &3 moving head and SYS2

**Equipment Description** WINCH: TYPE: MOVING HEAD; CAPACITY: 3 T; DIMENSIONS: WD 1 M X LG 1.095 M X HT 752.4 MM; SUPPL P/N: 4835-302-SY

**Material Number** 0635883
**Area - Location** Coal Plant
**Required Quantity** 20 Off

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| **6.1** | **Repair** | | | | |
| 6.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 20 | | |
| 6.1.2 | Strip and assess for winch assembly | Hours | 40 | | |
| 6.1.3 | Cleaning of all components of winch | Hours | 40 | | |
| 6.1.4 | Inspect, repair and replace gears | Hours | 30 | | |
| 6.1.5 | Inspect, repair and replacement shaft | Hours | 10 | | |
| 6.1.6 | Replacement of bearings | Hours | 10 | | |
| 6.1.7 | Inspect, repair and replace winch rope/cable | Hours | 40 | | |
| 6.1.8 | Service the rope feeder/winding guide unit | Hours | 40 | | |
| 6.1.9 | Inspect, repair the drum | Hours | 4 | | |
| 6.1.10 | Replace brake fluid, lining and seals | Hours | 40 | | |
| 6.1.11 | Welding and machining of worn-out portions | Hours | 20 | | |
| 6.1.12 | Replace all gaskets, rubber items and seals | Hours | 4 | | |
| 6.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 10 | | |
| 6.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 10 | | |
| 6.1.15 | One coat of orange enamel applied on the exterior | Hours | 10 | | |
| 6.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 20 | | |
| **6.2** | **Testing** | | | | |

| | | | | | |
|---|---|---|---|---|---|
| 6.6.1 | Vibration and other non-destructive testing | Hours | 20 | | |
| 6.6.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 20 | | |
| **6.3** | **Documentation** | | | | |
| 6.6.1 | Strip condition report (Engineering Technician) | Each | 20 | | |
| 6.6.2 | QCP (Quality Control Plan) | Each | 20 | | |
| 6.6.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 20 | | |
| 6.6.4 | Strip condition report | **Included in item 6.3.3** | | | |
| 6.6.5 | Copy of Quotation | | | | |
| 6.6.6 | Copy of order | | | | |
| 6.6.7 | Assembly condition report | | | | |
| 6.6.8 | Completed QCP | | | | |
| 6.6.9 | Material Certificates (where applicable) | | | | |
| 6.6.10 | NDT Test Reports (where applicable) | | | | |
| 6.6.11 | Performnace test Certificate | | | | |
| 6.6.12 | Final QC check list | | | | |
| 6.6.13 | Warranty Certificate | | | | |
| **6.4** | **Transportation** | | | | |
| 6.6.1 | Collection from site (4 Ton Truck) | Each | 20 | | |
| 6.6.2 | Delivery to site (4 Ton Truck) | Each | 20 | | |
| 6.6.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 40 | | |
| **Total for Item 6 (SY1, SY3A&B moving head, SYR1,2 &3 moving head and SYS2)** | | | | | |

**Equipment Name** N/A

**Equipment Description** WINCH: TYPE: MOVING HEAD; CAPACITY: 1.8 T; DIMENSIONS: WD 16 X LG 36 X HT 6 MM; LAY ON/LAY OFF; MATERIAL: GLAV STL WIRE ROPE; TRAVEL: 10M; ROPE SPEED: 5.4M/MIN; 1/2 AB ELECTRIC WINCH

**Material Number** 0634524

**Area - Location** Ash and Limestone

**Required Quantity** 5 Off

| ITEM NO. | TASK DESCRIPTION | UOM | QUANTITY | RATE | AMOUNT |
|---|---|---|---|---|---|
| **7.1** | **Repair** | | | | |
| 7.1.1 | Parts Required for Repairs (Bearings, Seals. Bushes, etc) | Lot | 5 | | |

| | | | | | |
|---|---|---|---|---|---|
| 7.1.2 | Strip and assess for winch assembly | Hours | 10 | | |
| 7.1.3 | Cleaning of all components of winch | Hours | 10 | | |
| 7.1.4 | Inspect, repair and replace gears | Hours | 7.5 | | |
| 7.1.5 | Inspect, repair and replacement shaft | Hours | 2.5 | | |
| 7.1.6 | Replacement of bearings | Hours | 2.5 | | |
| 7.1.7 | Inspect, repair and replace winch rope/cable | Hours | 10 | | |
| 7.1.8 | Service the rope feeder/winding guide unit | Hours | 10 | | |
| 7.1.9 | Inspect, repair the drum | Hours | 1 | | |
| 7.1.10 | Replace brake fluid, lining and seals | Hours | 10 | | |
| 7.1.11 | Welding and machining of worn-out portions | Hours | 5 | | |
| 7.1.12 | Replace all gaskets, rubber items and seals | Hours | 1 | | |
| 7.1.13 | Exterior surfaces cleaned of all loose scale and rust | Hours | 2.5 | | |
| 7.1.14 | Entire drum and shaft surfaces cleaned and sandblasted of all dirt and oil | Hours | 2.5 | | |
| 7.1.15 | One coat of orange enamel applied on the exterior | Hours | 2.5 | | |
| 7.1.16 | New identification tag with date overhauled, contractor job number, Eskom purchase order number and details of the OEM | Each | 5 | | |
| **7.2** | **Testing** | | | | |
| 7.7.1 | Vibration and other non-destructive testing | Hours | 5 | | |
| 7.7.2 | Test running to check contact patterns, clearances, backlash, and freedom of movement. | Hours | 5 | | |
| **7.3** | **Documentation** | | | | |
| 7.7.1 | Strip condition report (Engineering Technician) | Each | 5 | | |
| 7.7.2 | QCP (Quality Control Plan) | Each | 5 | | |
| 7.7.3 | Final Data Pack (Engineering Technician) consisting of below: | Each | 5 | | |
| 7.7.4 | Strip condition report | **Included in item 7.3.3** | | | |
| 7.7.5 | Copy of Quotation | | | | |
| 7.7.6 | Copy of order | | | | |
| 7.7.7 | Assembly condition report | | | | |
| 7.7.8 | Completed QCP | | | | |
| 7.7.9 | Material Certificates (where applicable) | | | | |
| 7.7.10 | NDT Test Reports (where applicable) | | | | |
| 7.7.11 | Performnace test Certificate | | | | |
| 7.7.12 | Final QC check list | | | | |
| 7.7.13 | Warranty Certificate | | | | |
| **7.4** | **Transportation** | | | | |
| 7.7.1 | Collection from site (4 Ton Truck) | Each | 5 | | |

| | | | | | |
|---|---|---|---|---|---|
| 7.7.2 | Delivery to site (4 Ton Truck) | Each | 5 | | |
| 7.7.3 | 10 Ton Forklift (Rental for 2 days per month for collection and delivery) | Per Day | 10 | | |
| **Total for Item 7** | | | | | |

| | |
|---|---|
| **GRAND TOTAL EXCL. VAT** | |

The total of the Prices

# PART 3: SCOPE OF WORK

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

# C3.1: EMPLOYER'S SERVICE INFORMATION

## Contents

# 1 Description of the *service*

## 1.1 Executive overview

Kusile Power Station management decided to establish a long-term agreement (5 Year) for the supply and refurbishment of some of the power Station's strategic, critical, and operational plant spares. For the plant to operate effectively and efficiently, maintenance must be performed at intervals specified as per plant maintenance strategies. Correct plant spares are required to ensure maintenance is executed as per the maintenance strategy requirements and thus must be always available.

The required information for spares holding has not been adequately detailed enough to enable the full cataloguing of the identified spares into the SAP computer data base. This creates challenges to the current and future procurement processes and may lead to costly delivery of wrongly specified equipment. The works information processes outlined in this document are intended to eliminate or minimize the risk of such occurrences.

## 1.2 *Employer*'s requirements for the *service*

Refer to Annexure Scope of Work titled "Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant, Document Identifier KUS-20251161".

## 1.3 Interpretation and terminology

The following abbreviations are used in this Service Information:

| **Abbreviation** | **Meaning given to the abbreviation** |
|---|---|
| SOW | Scope of Work |
| OEM | Original Equipment Manufacturer |
| ISO | International Organisation for Standardisation |
| KPI | Key Performance Indicator |
| OHS | Occupational Health & Safety |
| PSR | Plant Safety Regulations |
| LMH | Limestone Handling |
| AIA | Approved Inspection Authority |
| CA | Corrective Action |
| CQP | Contract Quality Plan |
| FIDIC | Federation Internationale Des Ingenieurs- Conseils |
| FMECA | Failure Mode, Effects and Criticality Analysis |
| HAZOP | Hazard and Operability Study |
| ISO | International Organisation for Standardisation |
| ITP | Inspection and Test Plan |
| NC | Nonconformity |

| | |
|---|---|
| NDT | Non Destructive Testing |
| PMI | Positive Material Identification |
| QCP | Quality Control Plan |
| QMS | Quality Management System |
| PQP | Project Quality Plan |
| RFI | Request for Information |
| RFQ | Request for Quotation |
| RFP | Request for Proposal |
| SHEQ | Safety, Health, Environment, and Quality |
| SETA | Skills Education Training Authorities |
| WPS | Welding procedure specifications |
| WQR | Welder's Qualification Record |
| AIA | Approved Inspection Authority |
| BU | Business Unit |
| CE | Chief Executive |
| COID Act | Compensation for Occupational Injuries and Diseases Act |
| DMR | Driven Machinery Regulations |
| DEL | Department of Employment and Labour ( Inspection and Enforcement services – Provincial office) |
| EP | Emergency Preparedness |
| EAP | Employee Assistance Program |
| ERfW | Environmental Regulations for Workplaces |
| GAR | General Administrative Regulations |
| GHS | Global Harmonized System |
| GSR | General Safety Regulations |
| HCA | Hazardous Chemical Agents |
| HIRA | Hazard Identification and Risk Assessment |
| LDV | Light Delivery Vehicle |
| OHS Act | Occupational Health and Safety Act and Regulations, 85 of 1993 |
| O&M | Operating and Maintenance |
| LoG | (COID) Letter of Good Standing |
| SDS | Safety Data Sheets |
| SABS | South African Bureau Standard |
| SANS | South African National Standard |

# 2 Management strategy and start up.

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

Refer to Section 2 Core Clause 21.

## 2.2 Management meetings

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

| Title and purpose | Approximate time & interval | Location | Attendance by: |
|---|---|---|---|
| Risk register and compensation events | as and when required | Kusile Power Station / MS Teams | *Employer*, *Contractor* And or *Others* |
| Overall contract progress and feedback | Monthly | Kusile Power Station / MS Teams | *Employer*, *Contractor* And or *Others* |
| Safety Toolbox Session | Daily | Physical | *Contractor* |
| | | | |

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

All meetings shall be recorded using minutes or a register prepared and circulated by the person who convened the meeting. Such minutes or register shall not be used for the purpose of confirming actions or instructions under the contract as these shall be done separately by the person identified in the *conditions of contract* to carry out such actions or instructions.

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

Main Contractor Organogram
The Main contractor must provide an organisational organogram on the company's letter head related to this contract, depicting all the levels of responsibility from the CE down to the supervisors responsible for the contract. List the relevant positions held, names of appointees, legal appointments and the Organogram must be signed off by the company's 16(1) or 16 (2).
The Main contractor must ensure that all appointed contractors comply with this requirement. The Main contractor is responsible for keeping copies of all the organograms' as well as submitting them with the OHS plan. All organograms shall be updated timeously when appointments are changed.
This diagram must be kept up to date and filed in the project OHS files.

In addition to the above, Refer to Annexure Scope of Work titled "Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant, Document Identifier KUS-20251161".

## 2.4 Provision of bonds and guarantees

N/A

## 2.5 Documentation control

The standard forms to be used by the Contractor in the administration of the contract, such as early warning and compensation event notifications are to be submitted to the Employer and shall be on the NEC document format which shall be made available to the Contractor by the Employer.

All formal contractual communication shall be in the form of properly compiled letters or forms attached to emails and not as a message in the email itself. Emails shall only be used to follow up on formal contractual communication or for information purposes only. All formal contractual communication shall have a reference number in a chronological sequence.

Rights of Access
Eskom:
Shall be granted electronic and hard-copy access to all quality plans, procedures, documentation, and other quality records relating to the work, including, but not limited to, data extracts;
Reserves the right to review, inspect, and audit any or all parts of the Contractor's QMS, as well as any documentation, materials, or equipment associated with the work, at any time or project work location; and
Reserves the right to carry out assessments and audits on all new Contractors and sub-Contractors.
The Contractor:
Shall cooperate with Eskom requests for documentation, records, and inspection and witnessing. Eskom participation in audits, appraisals, assessment of plans, and verification shall be conducted at no extra cost to Eskom;
Shall ensure that a sub-Contractor provides access to Eskom to all work procedures, records, and supporting documentation through provision of access to view and photocopy, as required, to support verification of scope of work requirements. Access shall include the ability to photograph Eskom equipment, systems, system components, materials, etc.;
Shall be granted electronic and hard-copy access to all quality plans, procedures, documentation, and other quality records relating to the work, including, but not limited to, data extracts.
Reserves the right to review, inspect, and audit any or all parts of the Contractor's QMS, as well as any documentation, materials, or equipment associated with the work, at any time or project work location.

In addition to the above refer to the Annexure titled "Contractor Quality Management: Specification Document Identifier 240-105658000"

## 2.6 Invoicing and payment

Within one week of receiving a payment certificate from the Service Manager in terms of core clause 51.1, the Contractor provides the Employer with a tax invoice showing the amount due for payment equal to that stated in the Service Manager's payment certificate.

The Contractor shall address the tax invoice to
invoiceseskomlocal@eskom.co.za 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)

In terms of core clause 50 the Contractor assesses the amount due and applies to the Purchaser for payment. The Contractor applies for payment with a tax invoice addressed to the Purchaser as follows:

Procedure for invoice submission and payment
All Electronic invoices must be sent in PDF format only.
An Invoice that was printed and then scanned to PDF by the Vendor is not acceptable as this is not an original tax invoice by SARS definition but a copy.
The following wording needs to appear on the invoice: "Your invoice is encrypted in order to comply with SARS requirements that invoices, and statements sent electronically are tamperproof."
All queries and follow up on invoice payments should made by contacting the FSS Contact Centre:

Tel: 011 800 5060 or email:fss@eskom.co.za

## 2.7 Contract change management

Refer to section 6 of the core clauses semantics

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

The Contractor shall keep all records of Defined Costs for all payment and compliance purposes.

## 2.9 Insurance provided by the *Employer*

refer to section 8 of the core clauses and Secondary Option X 18.

## 2.10 Training workshops and technology transfer

Refer to the Annexure titled “Contractor Quality Management: Specification Document Identifier 240-105658000” and “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

## 2.11 Design and supply of Equipment

Refer to section 2 Clause 23 of the core clauses.

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

### 2.12.1 Equipment

Any Equipment (Assets) bought during the *service period*, will be transferred to the *Employer* at the end of the *service period*.

In addition to the above make reference to Section 7 Core Clause 70.2 of the NEC TSC3, document titled “Contractor Quality Management: Specification Document Identifier 240-105658000” and “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

### 2.12.2 Information and other things

Refer to section 7 of the core clauses and also the documents titled “Contractor Quality Management: Specification Document Identifier 240-105658000” and “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

## 2.13 Management of work done by Task Order

Refer to Secondary Option X19 of the NEC TSC3

# 3 Health and safety, the environment and quality assurance

## 3.1 Health and safety risk management

The *Contractor* shall comply with the health and safety requirements contained in Annexure titled “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”_ to this Service Information.

## 3.2 Environmental constraints and management

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure titled “Kusile Power Station Environmental Specification Document Identifier KUS-20250797 Rev 1”.

## 3.3 Quality assurance requirements

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure titled “Contractor Quality Management: Specification Document Identifier 240-105658000”.

# 4 Procurement

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

## 4.1 People

### 4.1.1 Minimum requirements of people employed

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

Refer to Document titled "Contractor Quality Management: Specification Document Identifier 240-105658000" and "Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1".

### 4.1.2 BBBEE and preferencing scheme

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

tbc

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

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

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

.

*[Insert the agreed ASGI-SA Compliance Schedule here]* *tbc*

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

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

## 4.2 Subcontracting

### 4.2.1 Preferred subcontractors

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

tbc

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

Refer to document titled “Contractor Quality Management: Specification Document Identifier 240-105658000” and “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

#### 4.2.3 Limitations on subcontracting

Refer to document titled “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

#### 4.2.4 Attendance on subcontractors

Refer to document titled “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

### 4.3 Plant and Materials

#### 4.3.1 Specifications

Refer to Annexure Scope of Work titled “Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant, Document Identifier KUS-20251161”.

#### 4.3.2 Correction of defects

Refer to section 4 of the core clause of the NEC TSC3.

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

Contractor
The *Contractor* and his sub-contractor are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

#### 4.3.4 Tests and inspections before delivery

Refer to section 4 of the core clause of the NEC TSC3.

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

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

tbc

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

The Contractor is provided with electronic Data Capture Form (DCF) for each spare required. The Contractor is required to ensure that the correct information is captured on the DCF’s. The DCF’s are required by the Purchaser’s Material Management System to be able to book the item in the store and the information

should also be sufficient to procure the correct spares in future. Most of the DCF's have been populated by the Purchaser where information was available. This information may not be correct and needs to be reviewed and verified/corrected as part of the Services.
The DCF's are provided in Microsoft Word format. The Contractor needs to ensure the 'Track Changes' function is selected 'on' so that any changes to the existing information as well as inserted information can easily be identified and tracked. The following information needs to be to be provided as detailed as possible on the DCF's.
a) Verify the existing information that is already populated on the DCF's and make changes where required. Ensure the 'track changes' function is on.
b) Populate/verify all fields highlighted in 'yellow' on the DCF's, in the electronic format provided.
c) Supply additional information in the field "Free Format Text" or "Purchase order text" on the DCF's. This includes:
• The standards or specification that the product has to conform to.
• Add any spares information which has been omitted, which is deemed relevant for spares identification, packaging and protection requirements during transportation and storage.
• The Quality Control requirements for manufacturing and testing of the product to ensure that the spares conform to the correct specifications or standards, including certificates and test results, that is required with delivery of the goods.
d) Supply any other additional information that has not been specified on the DCF's but necessary for storage, preservation, installation and utilisation of spares where applicable. Such information includes brochures, technical data, etc. These DCF's with the added information needs to be made available electronically to the employer.
e) Supply any other additional information that has not been specified on the DCF's but necessary for storage, preservation, installation and utilisation of spares where applicable. Such information includes brochures, technical data, etc.

# 5 Working on the Affected Property

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

Refer to document titled "Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1".

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

Refer to document titled "Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1".

## 5.3 Health and safety facilities on the Affected Property

Refer to document titled "Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1".

## 5.4 Environmental controls, fauna & flora

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure titled "Kusile Power Station Environmental Specification Document Identifier KUS-20250797 Rev 1".

## 5.5 Cooperating with and obtaining acceptance of Others

Refer to section 2 clause 25 of the core clause

## 5.6 Records of *Contractor*'s Equipment

All materials, tools and equipment brought onto site are the responsibility of the Contractor, and shall comply with the Employer's policies and procedures
A proper system of recording these materials, tools and equipment must be in place and submitted for approval by the Service Manager Differentiation must be made between materials, tools and equipment owned or hired by the Contractor
Any Equipment, or appliances, used by the Contractor conforms to the applicable OHS Act safety standards and is maintained in a safe and proper working condition
The Service Manager has the right to stop the Contractor's use of any Equipment which, in the opinion of Service Manager, does not conform to the foregoing

## 5.7 Equipment provided by the *Employer*

The Supplier and his sub-suppliers are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

## 5.8 Site services and facilities

### 5.8.1 Provided by the *Employer*

Refer to document titled “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.
In addition The Supplier and his sub-suppliers are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

### 5.8.2 Provided by the *Contractor*

The Supplier and his sub-suppliers are required to have suitable premises with the required tools and equipment to be able to conduct the scope of work. Eskom reserves the right to inspect the workshop premises to make sure that it is kept up to standard.

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

The *Contractor* shall comply with the environmental criteria and constraints stated in Annexure titled “Kusile Power Station Environmental Specification Document Identifier KUS-20250797 Rev 1”.

## 5.10 Hook ups to existing works

Refer to document titled “Kusile Power Station OHS Specification For Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant Document Identifier KUS-20251175 Rev 1”.

## 5.11 Tests and inspections

### 5.11.1 Description of tests and inspections

In addition to the above, Refer to Annexure Scope of Work titled “Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant, Document Identifier KUS-20251161” and also to section 4 of the core clause of the NEC TSC3.

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

In addition to the above, Refer to Annexure Scope of Work titled “Kusile Power Station Supply, Refurbish and Delivery of Miscellaneous Spares for Balance of Plant, Document Identifier KUS-20251161” and also to section 4 of the core clause of the NEC TSC3.

# 6 List of drawings

## 6.1 Drawings issued by the *Employer*

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

| Drawing number | Revision | Title |
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