



NEC3 Term Service

Short Contract (TSSC3)

A contract between Eskom Holdings SOC Ltd
(Reg No. 2002/015527/30)

and **ESKOM HOLDINGS SOC LIMITED**
(Reg No: 2002/015527/30)

for **Refurbishment of the raw water isolation and float valves and replacement of the damaged section of the supply line on both the East and West forebays once off at Camden Power Station.**

Contents: Compiled in accordance with CIDB Standard for Uniformity in Construction Procurement (May 2010 amendments) **Page No.**

Part C1 Agreements & Contract Data

- C1.1 Form of Offer and Acceptance [•]
- C1.2 Contract Data provided by the *Employer* [•]
- C1.2 Contract Data provided by the *Contractor* [•]

Part C2 Pricing Data

- C2.1 Pricing assumptions [•]
- C2.2 Price List [•]

Part C3 Scope of Work

- C3.1 Service Information [•]
- Pro Forma Task Order

Documentation prepared by: Tina Sikhwari

C1 Agreements & Contract Data

C1.1 Form of Offer and Acceptance

Offer

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

Refurbishment of the raw water isolation and float valves and replacement of the damaged section of the supply line on both the East and West forebays once off at Camden Power Station.

The tenderer, identified in the signature block below, having examined the documents listed in the Tender Data and addenda thereto as listed in the Tender Schedules, 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.

The offered total of the Prices exclusive of VAT is	R[●]
Value Added Tax @ 15% is	R[●]
The offered total of the Prices inclusive of VAT is	R[●]
(in words)	

This Offer may be accepted by the Employer by signing the form of Acceptance overleaf 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:

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 1 Agreements and Contract Data, (which includes this Form of Offer and Acceptance)
- Part 2 Pricing Data
- Part 3 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 Tender 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, which must be signed by the duly authorised representative(s) for both parties.

The tenderer shall within one week 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 copy of this document, including the Schedule of Deviations (if any) together with all the terms of the contract as listed above.

Signature(s)

Name(s)

Justice Bore

Capacity

Camden Power Station General
Manager

Eskom Holdings SOC LTD, Camden Power
Station , Private Bag X1002, NUCAM , 2355

(Insert name and address of organisation)

**for the
Employer**

Name &
signature of
witness

Date

Note: If a tenderer wishes to submit alternative tender offers, further copies of this document may be used for that purpose, duly endorsed, 'Alternative Tender No. _____'

Schedule of Deviations

Note:

1. To be completed by the Employer prior to award of contract. 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

On behalf
of

(Insert name and address of organisation)

Name &
signature
of witness

Date

Justice Bore

Camden Power Station General Manager

(Insert name and address of organisation)
Eskom Holdings SOC LTD, Camden Power
Station , Private Bag X1002, Nucam , 2355

C1.2 Contract Data

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 NEC3 Term Service Short Contract (April 2013) (TSSC3)¹ before you enter data. The number of the principal clause is shown for most statements however other clauses may also use the same data.
2. Where the following symbol is used “[●]” - data is required to be inserted.]

Completion of the data in full is essential to create a complete contract.

Clause	Statement	Data
General		
10.1	The <i>Employer</i> is (Name): Address	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 Registered office at Megawatt Park, Maxwell Drive, Sandton, Johannesburg
14.5	If the <i>Employer</i> appoints an <i>Employer's Agent</i> , the <i>Employer's Agent</i> is: Name Address Tel No. E-mail address The authority of the <i>Employer's Agent</i> is	[●]Giel Krüger [●]Eskom Holdings SOC LTD, Camden Power Station, Private Bag X1002, Nucam, 2355 [●] 017 827 8470 [●] krugerge@eskom.co.za [●]Services Manager
11.2(5)	The <i>service</i> is	[●]Raw Water Make-up to CW Forebay pipe's and valve's Refurbishment
11.2(6)	The Service Information is in	the document called 'Service Information' in Part 3 of this contract.
30.1	The <i>starting date</i> is.	[●]
30.1	The <i>service period</i> is.	[●]6 months
13.2	The <i>period for reply</i> is	[●] 1 week

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

50.1	The <i>assessment day</i> is the	[●] last day of each month.
51.2	The interest rate on late payment is	[●]0% per complete week of delay. [Insert a rate only if a rate less than 0.5% per week of delay has been agreed]
80.1	The <i>Contractor</i> is not liable to the <i>Employer</i> for loss of or damage to the <i>Employer's</i> property in excess of	the amount of the deductibles relevant to the event 10% of the total cost
	Does the United Kingdom Housing Grants, Construction and Regeneration Act (1996) apply?	No
93.1	The <i>Adjudicator</i> is	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).
93.2(2)	The <i>Adjudicator nominating body</i> is:	the Chairman of ICE-SA a joint Division of the South African Institution of Civil Engineering and the London Institution of Civil Engineers. (See www.ice-sa.org.za) or its successor body
93.4	The <i>tribunal</i> is:	arbitration.
	The <i>arbitration procedure</i> is	the latest edition of Rules for the Conduct of Arbitrations published by The Association of Arbitrators (Southern Africa) or its successor body.
	The place where arbitration is to be held is	[●] South Africa
	The person or organisation who will choose an arbitrator	
	- if the Parties cannot agree a choice or	the Chairman for the time being or his nominee
	- if the arbitration procedure does not state who selects an arbitrator, is	of the Association of Arbitrators (Southern Africa) or its successor body.

The *conditions of contract* are the NEC3 Term Service Short Contract (April 2013)²³ and the following additional conditions Z1 to Z11 which always apply:

² If the previous edition applies change 'April 2013' for 'September 2009'.

³ State whether attached as a 'PDF' file in terms of Eskom's licence, or to be obtained from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902 or www.ecs.co.za

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

- Z2.1 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.
- Z2.2 The *Contractor* is required to submit an updated verification certificate and necessary supporting documentation confirming the change in his B-BBEE status to the *Employer* within thirty days of the notification or as otherwise instructed by the *Employer*.
- Z2.3 Where, as a result, the *Contractor's* B-BBEE status has decreased since the *starting date* the *Employer* may either re-negotiate this contract or alternatively, terminate the *Contractor's* obligation to Provide the Service.
- Z2.4 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 those stated in Clause 91.1 and the amount due on termination includes amounts listed in Clause 92.1 less a deduction of the forecast additional cost to the *Employer* of completing the *service*.

Z3 Confidentiality

- Z3.1 The *Contractor* does not disclose or make any information arising from or in connection with this contract available to others except where required by this contract. 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 where required by this contract the *Contractor* ensures that the provisions of this clause are complied with by the recipient.
- Z3.2 If the *Contractor* is uncertain about whether any such information is confidential, it is to be regarded as such until notified otherwise by the *Employer*.
- Z3.3 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.
- Z3.4 The taking of images (whether photographs, video footage or otherwise) of the *Employer's* 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 *Employer*. All rights in and to all such images vests exclusively in the *Employer*.
- Z3.5 The *Contractor* ensures that all his subcontractors abide by the undertakings in this clause.

Z4 Waiver and estoppel: Add to clause 12.2:

- Z4.1 Any extension, concession, waiver or relaxation of any action stated in this contract by the Parties or their delegates 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.

Z5 Health, safety and the environment

- Z5.1 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*:
- 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 *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.
- Z5.2 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.

Z6 Provision of a Tax Invoice and interest. Add to clause 50

- Z6.1 The *Contractor* provides the *Employer* with a tax invoice in accordance with the *Employer's* procedures stated in the Service Information, showing the correctly assessed amount due for payment.
- Z6.2 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 clause 51.2 is then calculated from the delayed date by when payment is to be made.
- Z6.3 The *Contractor* 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.

Z7 Notifying compensation events

- Z7.1 Delete from the last sentence in clause 61.1, "unless the event arises from an instruction of the *Employer*."

Z8 *Employer's* limitation of liability; Add to clause 80.2

- Z8.1 The *Employer's* liability to the *Contractor* for the *Contractor's* indirect or consequential loss is limited to R0.00 (zero Rand).

Z9 Termination: Add to clause 90.2, after the words "or its equivalent":

- Z9.1 or had a business rescue order granted against it.

Z10 Addition to Clause 50.4

- Z10.1 If the amount due for the *Contractor's* payment of *delay damages* reaches the limits stated in a Task Order (if any), the *Employer* may terminate the *Contractor's* obligation to Provide the Service.
- Z10.2 If the *Employer* terminates in terms of this clause, the procedures on termination are those stated in Clause 91.1 and the amount due on termination includes amounts listed in Clause 92.1 less a deduction of the forecast additional cost to the *Employer* of completing the *service*.

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** means, as the context requires, the *Contractor*, or any member thereof in the case of

- Party** 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 condition of contract 82 with the following:

- Insurance cover** 82
- 82.1 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.
- 82.2 The *Contractor* provides the insurances in the Insurance Table A, from the *starting date* until the 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 <i>Contractor</i> to the <i>Employer's</i> property	The replacement cost where not covered by the <i>Employer's</i> insurance The <i>Employer's</i> policy deductible as at contract date, where covered by the <i>Employer's</i> insurance

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

82.3 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 limit 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 <i>Employer's</i> 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.

Data provided by the Contractor (the Contractor's Offer)

The tendering contractor is advised to read both the NEC3 Term Service Short Contract (April 2013) and the relevant parts of its Guidance Notes (TSSC3-GN)⁴ in order to understand the implications of this Data which the tenderer is required to complete. An example of the completed Data is provided on page 24 of the TSSC3 Guidance Notes.

Completion of the data in full is essential to create a complete contract.

10.1	The Contractor is (Name):	[●]
	Address	[●]
	Tel No.	[●]
	Fax No.	[●]
	E-mail address	[●]
63.2	The percentage for overheads and profit added to the Defined Cost for people is	[●]%
63.2	The percentage for overheads and profit added to other Defined Cost is	[●]%
11.2(4)	The Price List is in	the document called 'Price List' in Part 2 of this contract.
11.2(4)	The offered total of the Prices for part of the service in Part 1 of the Price List is [Enter the total of the Prices from the Price List]:	R[●] excluding VAT [in words] [●] excluding VAT
11.2(4)	The offered total of the Prices for part of the service in Part 2 of the Price List is [Enter the total of the Prices from the Price List]:	R[●] excluding VAT [in words] [●] excluding VAT

⁴ Available from Engineering Contract Strategies Tel 011 803 3008, Fax 086 539 1902, or www.ecs.co.za.

C2 Pricing Data

C2.1 Pricing assumptions

The Price List is in two parts. Part 1 is for work described in the Service Information not requiring the *Employer* to issue a Task Order. Part 2 is for work to be carried out within a stated period of time on a task by Task basis and instructed by Task Order. The *service* may comprise work under Part 1 only or Part 2 only or a mix of both.

Entries in the first four columns of Part 1 of the Price List are made either by the *Employer* or the tenderer. Entries in the first four columns of Part 2 of the Price List would normally be made by the *Employer* as the Party most likely to know the kind of work which will be instructed by the issue of Task Orders. The tenderer then enters a rate for each item and multiplies it by the Expected quantity to produce the Price to be entered in the final column.

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 tenderer 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 the item of work which is the rate for the work multiplied by the quantity completed, the tenderer enters a rate for each item and multiplies it by the Expected quantity to produce the Price, to be entered in the final column.

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.

The rates and Prices entered for each item includes for all work and other things necessary to complete the item.

C2.2 Price List

Part 1

The rates and Prices entered for each item includes for all work and other things necessary to complete the item.

Items	Description	Unit	Qty	Rate	Total
	Preliminary and Generals				
1	Fixed Charge Items				
1,1	Site establishment	lot	1		
1,2	Site de-establishment	lot	1		
1,3	Tools and Equipment	lot	1		
1,5	Medical In	no	47		
1,6	Medical Exit	no	12		
1,7	PPE	no	12		
	Fixed Charge Items Cost				
2	Time related items				
	Normal Working Hours				
2.1	Site Supervisor x 1	Hrs	1038		
2.2	Safety Officer x 1	Hrs	1038		
2.3	Skilled Artisan x 4	Hrs	4152		
2.4	Semi-skilled Artisan X 4	Hrs	4152		
2.5	Unskilled labour x 2	Hrs	2076		
	Normal Working Hours Cost				
3	Transportation				
3,1	15 Seater	Monthly	6		
	Transportation Cost				
	Provision Sum for Refurbishment	Lot	1		
	Total Cost				

C3: Scope of Work

C3.1 Service Information

Introduction

The butterfly isolation valves and float valves on the Raw Water make-up lines to the East and West Forebay are passing and need to be repaired/refurbished. Furthermore the supply line between the isolation valve and the float valve is damaged and needs to be replaced.

N.B. The isolation points further upstream are also suspected to be passing and the Contractor will be expected to work in an environment where the complete isolation of the Raw Water make-up may not be possible. The appointed Contractor is expected to provide all equipment necessary for the repair/replacement including lifting equipment.

Purpose

Refurbishment of the Raw Water isolation and float valves and replacement of the damaged section of the supply line on both the East and West forebays.

NB. Should the isolation and float valves be found to be damaged beyond repair or damaged beyond repair during the refurbishment process then the Contractor will be responsible for replacing the valves with a like for like specification. The Contractor will submit the specification of the proposed replacement valve to Eskom for approval prior to purchasing or installation.

Raw Water Line Design Information:

- Medium: Raw Water
- Raw Water Quality:
 - pH - 7 - 11.5
 - K₂₅ - 500
 - Na - 50ppm
 - SiO₂ - 20ppm
 - Mg - 20 - 100ppm
 - Cl - 20 - 100ppm
 - SO₄ - 100 - 400ppm
- Material: Carbon Steel A106B
- Pipe Schedule: Schedule 40
- Nominal Bore: 24"
- Temperature: -10°C to 40°C
- NDE Requirements: As per construction code BS 13480
- Welding requirements: As per construction code BS 13480

Pre-Preparation:

- Ensure that a risk assessment is compiled with all relevant stakeholders present.
- Contractor to ensure all equipment required to isolate and rig out the valves and pipeline is available and on site

- Contractor to supply new rubber gaskets, bolts and nuts
- The Contractor will be expected to supply one spare float valve inclusive of drawings and casting mould
- All material required for the refurbishment and replacement should be procured from approved Eskom suppliers and delivered to site prior to commencement of the task
- All material used should be corrosion resistant and suitable for the water quality stipulated above
- Material Data Sheet and 3.1 cert to be supplied to the Client prior to execution
- Contractor to walk the plant and supply an as-built drawing of the existing plant for approval by the Client and the Welding Administrator
- The as-built drawing should include clear labels indicating all welds
- A bill of material must accompany the as-built drawing
- Once a detailed repair SOW is concluded, the Contractor must supply necessary QCP and Welding Procedures for approval prior to commencement
- It should be noted that it may not be possible to execute the SOW on all the valves and damaged pipe sections simultaneously as this will depend on the current status of the station at the time of execution. The Client will advise further

1. Description of the service

Give a detailed description of what the *Contractor* is required to do. This may include drawings

Refurbishment of valves (Adhere to Eskom standard 240-105020315):

- Isolate the Raw Water supply to the relevant side i.e. valve 00 GAC41 AA501 or 02 GAC10 AA501.
- Remove and refurbish the following valves:

Butterfly Valves:

- 01GAC10AA501
- 01GAC10AA502
- 02GAC10AA502
- 02GAC10AA503

Float valves:

- 01GAC10AA601
- 01GAC10AA602
- 02GAC10AA601
- 02GAC10AA602

- NB.** The valves may be sent away for full refurbishment. Once the valves are removed from position, an Eskom engineer and the Contractor will have to first inspect, discuss and agree on the repair/refurbishment scope before the valves are removed from site.

- Remove the valves from installation location
- Disassemble the valves
- Clean all components for the Engineer and Contractor's inspection, sandblast to approved specification for inspection and coating
- Replace defective components in accordance to the inspection findings, approval from site Engineer required
- Arrange for corrosion protection of the valve internal and external (done by valve repairer) as per 240-101712128 - Standard for the Internal Corrosion Protection of Water Systems, Chemical Tanks and Vessels and Associated Piping with linings
- Assemble the valve
- Carry out a seat leakage test (BS EN 12266-1, Rate A)
- All gaskets and o-rings to be selected by repair to prevent system leakages
- Install the valves
- Commission valve and check for leaks
- Refurbish the gearbox on the butterfly valves and functional test

Replacement of Pipeline:

Pipe and Fittings Specifications

Raw Water Pipe Specification:

- All pipework shall conform to ASTM A106
- Material: Carbon Steel, Grade B Seamless Pipe
- Schedule 40
- Size : 24 inch

NB. All specifications to be confirmed by the Contractor prior to execution

Flange Specifications:

- All flanges shall conform to BS 10 : Table E
- All flange sizes: 24 inch
- Flange Type: Forged Weld Neck Raised Face
- Material: Carbon Steel with 3.1 certification
- Bolts and Nuts: As per table, High Tensile Strength 8.8

Bends Specifications:

- All pipe shall conform to ASTM A106
- Material: Carbon Steel, Grade B Seamless Pipe
- Schedule 40
- Nominal Bore: 24 inch (Quantity to be verified)

- Material Data sheet and 3.1 cert to be supplied

Gasket Specifications:

- 3mm Klinger type C4430

Installation

- The Raw Water make-up line between the butterfly isolation valve and the float valve is not easily accessible as it passes through a concrete wall. Hence replacement of the damaged section of this line will require the Contractor to cut through the concrete.
- Once the valves are removed, remove damaged section of existing Raw Water make-up line with the aid of a crane
- Install new pipe section including all fittings (with like for like material)
- Weld flanges on new pipe sections
- All welding will be in line with the requirements of the Eskom welding requirements document 240-106628253 Standard for Welding Requirements on Eskom Plant
- All preps must be NDT as per Welding Procedure. **NB.** NDT's to be conducted by an Eskom approved NDT company
- All fit-up inspections must be conducted by Welding Inspector
- All final welds must be NDT as per 240-83539994 Standard for Non-Destructive Testing (NDT) on Eskom Plant
- All pipes must be painted externally. A red oxide base coat must be applied first and matching enamel coat must be applied thereafter
- Apply a corrosive resistant internal coating as per Eskom specification (see 2.1.4) **NB.** Only approved coating suppliers to be used
- Install gaskets and flange pipe sections together by fastening nuts and bolts
- Install valve were applicable
- QC to inspect the new section of pipe once coupled together to ensure all bolts and nuts are fastened
- The new pipe sections to be connected into the existing Raw Water Make-up System
- Leak test line to identify leaks

Abbreviations

BS	British Standard
CW	Cooling Water
NB	Nominal Bore
QCP	Quality Control Plan
SOW	Scope of Work

2. Specifications

Title	Date or revision	Tick if publicly available
<u>General Specifications:</u>		
Health and Safety requirements		
Environmental requirements		
Site regulations and access control		
<u>Technical specifications:</u>		

3. Constraints on how the Contractor Provides the Service

. The execution of the work will be determined by the issuing of PTW's (Permit to Work) by operating department on time. Should there be production risks the issuing of PTW's might be delayed. Due to the plant limitations, work can only be executed on one of the two pipe and valve's "train/combination" per section of the plant.

. There are 4 (four) valve's and pipe combinations that need refurbishment, repairs / replacement. Each combination will be treated as one "train/combination". Therefor payment will be made after completion and acceptance by Eskom on each train/combination.

3.1 Meetings

Provide information about regular meetings to be held such as early warning and compensation event meetings (suggest weekly), safety and planning meetings. Prior to the start of the project, a kick-off meeting will be held. There after weekly meetings will be held to discuss the progress, and give an update on the work execution program that will be shared

3.2 Use of standard forms

The standard NEC3 forms will be provided by Eskom.

Normative References

- 240-101712128 - Standard for the Internal Corrosion Protection of Water Systems, Chemical Tanks and Vessels and Associated Piping with linings
- 240-106628253 - Standard for Welding Requirements on Eskom Plant
- 240- 105020315 - Eskom Standard for Low Pressure Valves
- 240- 83539994 - Standard for Non-Destructive Testing (NDT) on Eskom Plant
- 240- 56364545 - Structural Design and Engineering Standard
- ISO 12944 - Paints and Varnishes - Corrosion Protection of Steel
- ISO 146 - Hot Dip Galvanized Coatings on Fabricated Iron and Steel Articles
- EN 13480 - Metallic Industrial Piping
- OHSA - Occupational Health and Safety Act South Africa No 85 and amendments

3.3 Invoicing and payment

There are 4 (four) valve's and pipe combinations that need refurbishment, repairs / replacement. Each combination will be treated as one "train/combination". Therefor invoicing and payment will be made only after completion and acceptance by Eskom on each complete train/combination. Numbering of the specific valve, details of the executed work to be included on the invoice,

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

The *Contractor* includes the following information on each tax invoice:

- Name and address of the *Contractor*
- The contract number and title;
- *Contractor's* VAT registration number;
- The *Employer's* VAT registration number 4740101508;
- The total of
 - The Price for each lump sum item in the Price List or Task Order which the *Contractor* has completed;
 - Where a quantity is stated for an item in the Price List or Task Order, an amount calculated by multiplying the quantity which the *Contractor* has completed by the rate,
- Other amounts to be paid to the *Contractor*;
- Less amounts to be paid by or retained from the *Contractor*;
- The change in the amount due since the previous payment being the invoiced amount - excluding VAT, the VAT and including VAT;
- (add other as required)

The *Contractor* attaches the detail assessment of all work done for each item in the Price List to each tax invoice showing

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

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

3.4 Records of Defined Cost

In order to substantiate the Defined Cost of compensation events, the *Employer* may require the *Contractor* to keep records of amounts paid by him for people employed by the *Contractor*, plant and materials, work subcontracted by the *Contractor* and equipment. [See clause 11.2(2) and 63.2]. State in what form these records are to be kept and how accessed by the *Employer*.

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

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

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

[Insert the agreed ASGI-SA Compliance Schedule here]

The *Contractor* shall keep accurate records and provide the *Employer* 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.

3.6 BBEE 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.

3.7 Cataloguing requirements by the *Contractor*

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

4. Requirements for the plan

A detailed plan / schedule of work need to be shared prior to start date. Updating and sharing of the plan/schedule need to be done on a daily base. The platform for sharing the plan / schedule will be agreed upon.

5. Services and other things provided by the *Employer*

Describe what the *Employer* will provide such as services (including water and electricity) and “free issue” plant and materials and equipment:

Access to the affected plant will be provided for the duration of the project.

Service provider will have access to the following:

Canteen (at supplier’s cost)

Ablution facilities

Electrical power supply (220v and 380v)

Access to drinking water

6. Property affected by the *service*

The property is that of Eskom Holdings. East and West CW Forebay’s

Task Order

Task Order form for use when work within the service is instructed to be carried out within a stated period of time on a Task by Task basis

Task Order No. [•] service [•]
To: [•].....
..... (Contractor)

I propose to instruct you to carry out the following task:

Description [•]

Starting date [•]
Completion Date [•]
Delay damages per week [•]

Please submit your price and programme proposals below.

Signed: _____ Date _____

(for Employer)

Total of Prices for items of work on the Price List (details attached) R. _____

Total of Prices for items of work not on the Price List (details attached). R. _____

Total of the Prices for this Task Order R. _____

The programme for the Task is [ref] (attached)
Signed: _____ Date _____

(for Contractor)

I accept the above price and programme and instruct you to carry out the Task

Signed: _____ Date: _____

(for Employer)