

ESKOM GENERATION**2025****THE PROVISION OF MECHANICAL
MAINTENANCE OF BOILER AUXILIARY
SAFETY VALVES FOR A PERIOD OF 48
MONTHS AT CAMDEN POWER STATION -
BILLS OF QUANTITIES****CONTRACT NUMBER :****CONTRACTOR :****CONTRACT AMOUNT (EXCL. VAT) :****CONTRACT AMOUNT (INCL. VAT) :**

**THE PROVISION OF MECHANICAL MAINTENANCE OF BOILER AUXILIARY SAFETY
VALVES FOR A PERIOD OF 48 MONTHS AT CAMDEN POWER STATION - BILLS OF
QUANTITIES**

TABLE OF CONTENTS

Contract Data

Notes to Tenderers

Bill of Quantities

Section 1 : Maintenance BOQ

Section 2 : Outage BOQ

Final Summary

NOTES TO TENDERERS

1. BILLS OF QUANTITIES

This document comprises Notes to Tenderers and Bills of Quantities and is hereafter referred to as "the Bills of Quantities".

The Tenderers are to note that this is a Contract with a Bills of Quantities.

2.1 CONTRACT DOCUMENTS

The contract documents will consist of:

- 2.1.1 The NEC3 Term Service Contract 2013 together with all amendments.
- 2.1.2 These Bills of Quantities, including all annexures and supplementary documentation referred to therein.
- 2.1.3 Documents to be provided by the Contractor in terms of the requirements of these Bills of Quantities.
- 2.1.4 Construction Regulations 2014
- 2.1.5 Occupational Health and Safety Act of 1993
- 2.1.6 Scope of works documents

3 VALUE ADDED TAX

Tenderers should compute their rates from the net costs (excluding Value Added Tax). Value Added Tax at the current rate of 15% is to be added to the net sub-total on the final summary page by means of a single sum calculation to establish the tender price.

4 SCOPE OF WORK

As a guide only, the work comprises as follows:-

THE PROVISION OF MECHANICAL MAINTENANCE OF BOILER AUXILIARY SAFETY VALVES FOR A PERIOD OF 48 MONTHS AT CAMDEN POWER STATION - BILLS OF QUANTITIES

5 ADDRESS WHERE DOCUMENTS CAN BE OBTAINED

Tender documents will be made available Electronically on an online portal to be provided by Eskom

6 POSSESSION OF SITE

The date of which possession of the Site shall be given to the Contractor shall be within 7 **working days** of the acceptance of this tender.

7 CONSTRUCTION PERIOD - DATES FOR PRACTICAL COMPLETION

Practical Completion: 48 Months from the date of Site Handover

Tenderers are to note that the Contract will be delivered as a whole and NOT to be phased.

8 COMMON LAW OR BY-LAW REQUIREMENTS

No liability for not specifically mentioning any normal contractual, Common Law or By-Law requirements will be accepted by the Employer, or Terms Service Manager.

9 CONTRACT PRICE ADJUSTMENT

The Contract Sum shall be subject to CPAP.

10. PRICED BILLS OF QUANTITIES:

Tenderers must submit to the Terms Service Manager a copy of the Bills of Quantities fully priced and extended, with his tender. After the Bills have been checked, and when called upon, each page of the Bills of Quantities shall be initialed and the Index page and the Final Summary page signed in full.

11 DIFFERENCE AND DISCREPANCIES:

Should there be any difference or discrepancy between the prices or particulars contained in the official Tender Form and those contained in any covering letter from the Tenderer, the prices contained in the official Tender Form shall prevail.

Every Tenderer shall be deemed to have waived, renounced and abandoned any conditions printed or written upon any stationery used by him for the purpose of or in connection with the submission of his Tender, which are in conflict with the Conditions of Tender.

Tenderers are warned that any material divergence from the official conditions or specifications may render their Tenders liable to disqualification.

The Tenderers are to note that if there are any arithmetical errors in the Tenderers' form of tender in calculation of the Tender Sum, the Terms Service Manager will correct the calculation accordingly.

12 COMMUNICATION WITH MEMBERS OF THE CLIENT COMPANY OR PROFESSIONAL TEAM

A Tenderer shall not in any way communicate with a member of the Client Company or Professional Team or with any officer on a question affecting any contract or the supply of goods or for any work, undertaking or service which is the subject of a Tender during the period between the closing date for receipt of Tenders and the dispatch of the written notification of the Employer's decision on the award of the contract; provided that a Tenderer shall not hereby be precluded from obtaining from the Employer or his authorised representative information as to the date upon which the award of the contract is likely to be made or, after the decision upon the award has been made by the Terms Service Manager to which the Employer had delegated its powers, information as to the nature of the decision or such information as was publicly disclosed at the opening of Tenders.

13 BILLS OF QUANTITIES:

No alteration, erasure, omission or addition is to be made to the text and conditions of these Bills of Quantities and should any such alteration, amendment, note or addition be made, the same will not be recognised, but the reading of the Bills of Quantities as prepared by the Terms Service Manager will be adhered to.

It should be understood that the system of measurement herein adopted is the only system of measurement which will be recognised in connection with this contract. Before the signing of the contract, the Terms Service Manager will be entitled to call for adjustments of individual rates and rectify discrepancies, as he considers necessary without alterations to the Tender amount.

6 Ensure that every employee or person (including visitors) who enters the site of the Works undergoes health and safety induction training pertaining to hazards identified on the site of the Works and upon such training having been successfully completed, the Contractor must issue written confirmation by a competent person to the trained employees or persons who shall be further instructed to carry such confirmation with them at all times whilst on the site of the Works;

7 Issue, on loan, the necessary personal protective equipment to visitors to the site of the Works; and

8 Be in good standing with the Compensation Commissioner at all times during the duration of the Contract.

9 The Contractor is to sign a Non-Disclosure Agreement prior to collecting or receiving any proprietary information from Eskom, drawings, documentation, reports and photographs

The Contractor will be deemed to have satisfied himself with his obligations in terms of the Act and to have allowed for all costs arising from compliance with the Act as no claim for extra costs arising from compliance with, and obligations in terms of the Act will be entertained.

14 PRICING OF THESE GENERAL NOTES

The Contractor must allow in his pricing for any additional costs arising from these "General Notes" as no later claims for additional costs will be considered.

15 TAX COMPLIANCE

Failure to provide mandatory information required in this Bid will result in the submissions being deemed null and void and shall be considered non-responsive. An Electronic Tax Compliance Status (TCS) System will be used to verify the bidder's tax compliance status so bidders must request a unique security personal identification number (PIN) from SARS which must be submitted with the bid

No alternative tender offers will be considered.

These Bills are not to be used for the purpose of ordering materials.

All Bill rates are to include for food, material, labour, plant, wastage, transport and profit.

BILLS OF QUANTITIES:MAINTENANCE AND OUTAGE

;

| THE PROVISION OF MECHANICAL MAINTENANCE OF BOILER AUXILIARY SAFETY VALVES FOR A PERIOD OF 48 MONTHS AT CAMDEN POWER STATION - BILLS OF QUANTITIES | | | | | | | |
|---|---|---------|------------------|--------------------|---------------|------|--------|
| ITEM | DESCRIPTION | UNIT | QUANTIT Y (A) | HOURS/MONTH (B) | Months (C) | Rate | Amount |
| | <u>BILL OF QUANTITIES :</u> <u>PREAMBLES</u> <u>RATES</u> The tenderer is advised that all rates must include the following breakdown: Labour, Transport Plant,wastage and Profit. <u>PRICING OF THIS BILLS OF QUANTITIES</u> Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderers omission to price any item will be entertained. <u>SCOPE OF WORKS</u> The Contractor is referred to entire Scope of Woks for the details of the Scope. The Contractor is to study the details of this document prior to pricing this Bills of Quantities as these documents are contractual and Eskom will not be held responsible for any ambiguity <u>CONTRACT PERIOD</u> 48 Months <u>CURRENCY</u> All rates tendered on and / or pricing in these bills of quantities to be in the South African Rands Currency (ZAR) All individual amounts in these bills of quantities exclude Value Added Tax (VAT) VAT is to be calculated as a lump sum and added to the total of all values in the Final Summary under the item provided for VAT <u>HEALTH AND SAFETY</u> The contractor must ensure that all health and safety regulatory and safety requirements are met and valid. <u>PRICING OF THIS BILLS OF QUANTITIES</u> The contractor's prices for all items throughout this document must take account of and include for all obligations, requirements and specifications given in the said works information/scope of work <u>MAINTENANCE</u> | | | | | | |
| 100 | <u>a)PRELIMINARY AND GENERAL</u> | | | | | | |
| | <u>FIXED RELATED ITEMS</u> | | | | | | |
| 1 | Site Establishment | Lot | 1 | 1 | 1 | R | R |
| 2 | Site de-Establishment on Completion of contract | Lot | 1 | 1 | 1 | R | R |
| 3 | Tools & Equipment | Lot | 1 | 1 | 1 | R | R |
| 4 | Consumables | Lot | 1 | 1 | 1 | R | R |
| 5 | Medicals (In and Renewal) | Lot | 15 | 4 | 1 | R | R |
| 6 | Medicals (out) | Lot | 15 | 1 | 1 | R | R |
| 7 | SAPS/ Fingerprint Vetting | Lot | 15 | 1 | 1 | R | R |
| 8 | PPE Maintenance | Lot | 15 | 1 | 4 | R | R |
| | <u>TIME RELATED ITEMS</u> | | | | | | |
| 200 | <u>b) Cost for Health and Safety Measure per 36 Months</u> | | | | | | |
| 9 | Store room x 1 | Monthly | 1 | 1 | 48 | R | R |
| 10 | Trevi Test(As and when required) | Monthly | 2 | 1 | 48 | R | R |
| | 10 Ton Truck (return trip) | Monthly | 2 | 1 | 48 | R | R |
| 300 | <u>c) Cost for Logistical Measure in 36 Months</u> | | | | | | |
| 11 | 16 Seater transport x 1` | Month | 1 | 1 | 48 | R | R |
| 12 | Fork Lift x 1 | Month | 1 | 1 | 48 | R | R |
| 13 | Bakkie x 1 (Double Cab) | Month | 1 | 1 | 48 | R | R |
| 400 | <u>SECTION 1</u> | | | | | | |
| | <u>Direct Labour- Normal Hours</u> | | | | | | |
| 14 | Site Manager x 1 | Hour | 1 | 173 | 48 | R | R |
| 15 | Supervisor | Hour | 1 | 173 | 48 | R | R |
| 16 | Administration Clerk | Hour | 1 | 173 | 48 | R | R |

| | | | | | | | |
|------------|---|------|---|-----|----|---|----------|
| 17 | Assistant Rigger | Hour | 2 | 173 | 48 | R | R |
| 18 | Mechanical Fitter | Hour | 2 | 173 | 48 | R | R |
| 19 | Quality Controller (Mechanical) | Hour | 1 | 173 | 48 | R | R |
| 20 | Rigger | Hour | 1 | 173 | 48 | R | R |
| 21 | Safety Officers | Hour | 1 | 173 | 48 | R | R |
| 22 | Semi-skilled | Hour | 4 | 173 | 48 | R | R |
| 23 | Quality Controller (Welding) | Hour | 1 | 173 | 48 | R | R |
| 500 | <u>Direct Labour- Overtime</u> | | | | | | |
| 24 | Site Manager × 1 | Hour | 1 | 60 | 48 | R | R |
| 25 | Supervisor | Hour | 1 | 60 | 48 | R | R |
| 26 | Administration Clerk | Hour | 1 | 60 | 48 | R | R |
| 27 | Assistant Rigger | Hour | 2 | 60 | 48 | R | R |
| 28 | Mechanical Fitter | Hour | 2 | 60 | 48 | R | R |
| 29 | Quality Controller (Mechanical) | Hour | 1 | 60 | 48 | R | R |
| 30 | Rigger | Hour | 1 | 60 | 48 | R | R |
| 31 | Safety Officers | Hour | 1 | 60 | 48 | R | R |
| 32 | Semi-skilled | Hour | 4 | 60 | 48 | R | R |
| 33 | Quality Controller (Welding) | Hour | 1 | 60 | 48 | R | R |
| 600 | <u>Direct Labour- Overtime (Sundays)</u> | | | | | | |
| 34 | Site Manager × 1 | Hour | 1 | 30 | 48 | R | R |
| 35 | Supervisor | Hour | 1 | 30 | 48 | R | R |
| 36 | Administration Clerk | Hour | 1 | 30 | 48 | R | R |
| 37 | Assistant Rigger | Hour | 2 | 30 | 48 | R | R |
| 38 | Mechanical Fitter | Hour | 2 | 30 | 48 | R | R |
| 39 | Quality Controller (Mechanical) | Hour | 1 | 30 | 48 | R | R |
| 40 | Rigger | Hour | 1 | 30 | 48 | R | R |
| 41 | Safety Officers | Hour | 1 | 30 | 48 | R | R |
| 42 | Semi-skilled | Hour | 4 | 30 | 48 | R | R |
| 43 | Quality Controller (Welding) | Hour | 1 | 30 | 48 | R | R |
| | Total Maintenance (Excl. VAT) transferred to final summary | | | | | | R |

| THE PROVISION OF MECHANICAL MAINTENANCE OF BOILER AUXILIARY SAFETY VALVES FOR A PERIOD OF 48 MONTHS AT CAMDEN POWER STATION - BILLS OF QUANTITIES | | | | | | | |
|---|--|---------|--------------|-------------------|-------------------|------|--------|
| ITEM | DESCRIPTION | UNIT | QUANTITY (A) | Months per Outage | Number of Outages | Rate | Amount |
| | <u>BILL OF QUANTITIES :</u> <u>PREAMBLES</u> <u>RATES</u> The tenderer is advised that all rates must include the following breakdown: Labour, Transport Plant,wastage and Profit. <u>PRICING OF THIS BILLS OF QUANTITIES</u> Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the Tenderers omission to price any item will be entertained. <u>SCOPE OF WORKS</u> The Contractor is referred to entire Scope of Woks for the details of the Scope. The Contractor is to study the details of this document prior to pricing this Bills of Quantities as these documents are contractual and Eskom will not be held responsible for any ambiguity <u>CONTRACT PERIOD</u> 48 Months <u>CURRENCY</u> All rates tendered on and / or pricing in these bills of quantities to be in the South African Rands Currency (ZAR) All individual amounts in these bills of quantities exclude Value Added Tax (VAT) VAT is to be calculated as a lump sum and added to the total of all values in the Final Summary under the item provided for VAT <u>HEALTH AND SAFETY</u> The contractor must ensure that all health and safety regulatory and safety requirements are met and valid. <u>PRICING OF THIS BILLS OF QUANTITIES</u> The contractor's prices for all items throughout this document must take account of and include for all obligations, requirements and specifications given in the said works information/scope of work <u>OUTAGE</u> | | | | | | |
| 100 | a)PRELIMINARY AND GENERAL | | | | | | |
| | <u>FIXED RELATED ITEMS</u> | | | | | | |
| 1 | Site Establishment | Lot | 1 | 1 | 1 | R | R |
| 2 | Site De-establishment | Lot | 1 | 1 | 1 | R | R |
| 3 | Tools & Equipment | Lot | 1 | 1 | 16 | R | R |
| 4 | Consumables | Lot | 1 | 1 | 16 | R | R |
| 5 | Medicals (In and Renewal) | Lot | 14 | 5 | 1 | R | R |
| 6 | Medicals (out) | Lot | 14 | 1 | 1 | R | R |
| 7 | SAPS/ Fingerprint Vetting | Lot | 14 | 1 | 1 | R | R |
| 8 | PPE Outage | Lot | 14 | 5 | 1 | R | R |
| | <u>TIME RELATED ITEMS</u> | | | | | | |
| 200 | b) Cost for Health and Safety Measure per 36 Months | | | | | | |
| 9 | Accommodation(Outage) | Monthly | 14 | 3 | 16 | R | R |
| 300 | c) Cost for Logistical Measure in 36 Months | | | | | | |
| 10 | 14 Seater transport | Month | 1 | 3 | 16 | R | R |
| 11 | Bakkie × 1 (Single Cab)(As and when required for Outages) | Month | 1 | 3 | 16 | R | R |
| 12 | Fork Lift × 1 (As and when required for Outages) | Month | 1 | 3 | 16 | R | R |

| | | | | | | | |
|-----|---|------------|---|-----|----|---|----------|
| | 10 Ton Truck | Per Outage | 1 | 1 | 16 | R | R |
| 400 | <u>SECTION 1 - Safety Valves Outages</u> | | | | | | |
| 13 | Supervisor | hr | 1 | 519 | 16 | R | R |
| 14 | Assistant Rigger | hr | 1 | 519 | 16 | R | R |
| 15 | Mechanical Fitter | hr | 4 | 519 | 16 | R | R |
| 16 | Quality Controller (Mechanical) | hr | 1 | 519 | 16 | R | R |
| 17 | Rigger | hr | 1 | 519 | 16 | R | R |
| 18 | Safety Officers | hr | 1 | 519 | 16 | R | R |
| 19 | Semi-skilled | hr | 4 | 519 | 16 | R | R |
| 20 | quality Controller (Welding) | hr | 1 | 519 | 16 | R | R |
| | Total OUTAGE (excl VAT) Transferred to final summary | | | | | | |
| | | | | | | | R |

FINAL SUMMARY

**THE PROVISION OF MECHANICAL MAINTENANCE OF BOILER AUXILIARY
SAFETY VALVES FOR A PERIOD OF 48 MONTHS AT CAMDEN POWER STATION -
FINAL SUMMARY**

| ITEM | DESCRIPTION | AMOUNT |
|--|---------------------------------|--------|
| 1 | BILLS OF QUANTITIES MAINTENANCE | R |
| 2 | BILL OF QUANTITIES OUTAGE | R |
| | Sub - Total | |
| | VAT @ 15% | |
| TOTAL BID PRICE (INCL. VAT) - TRANSFERRED TO FORM OF OFFER AND ACCEPTANCE | | |