

**ESKOM GENERATION****2025****MECHANICAL MAINTENANCE OF BOILER  
AUXILLIARY, SOOT BLOWERS AND VALVES  
AT CAMDEN POWER STATION -  
BILLS OF QUANTITIES****CONTRACT NUMBER :****CONTRACTOR :****CONTRACT AMOUNT (EXCL. VAT) : R -****CONTRACT AMOUNT (INCL. VAT) : R -**

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**Provision of Mechanical Maintenance of the Boiler Auxiliary Plant, Soot Blowers and Valves  
for (Outage and Maintenance)**

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# **NOTES TO TENDERERS**

## **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 Services 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

### **3 DRAWINGS**

There are no drawings for this contract.

### **4 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.

### **5 SCOPE OF WORK**

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

Provision of Mechanical Maintenance of the Boiler Auxiliary Plant, Soot Blowers and Valves (Outage and Maintenance)

### **6 ADDRESS WHERE DOCUMENTS CAN BE OBTAINED**

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

### **7 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.

### **8 CONSTRUCTION PERIOD - DATES FOR PRACTICAL COMPLETION**

The intended date for practical completion and penalty for each calendar day for non-completion shall be:

**Practical Completion: 36 Month** for Outages and **48 Months** for Maintenance from the date of Site Handover

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

### **9 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 Contracts Manager.

### **10 ORDERING OF MATERIALS**

No claims will be entertained due to non-availability of materials or labour. The Tenderer is therefore required to investigate and ensure that the specific materials and components required for the works will be available at the relevant estimated construction times, at the time of tendering.

### **11 CONTRACT PRICE ADJUSTMENT**

The Contract Sum shall be subject to CPAP.

### **12. PRICED BILLS OF QUANTITIES:**

Tenderers must submit to the Contracts 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.

### **13 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 Contracts Manager will correct the calculation accordingly.

### **14 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 Contracts 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.

### **15 IMPORT PERMITS:**

Tenderers must apply direct for any import permit and/or currency required, however the Contracts Manager will furnish successful Tenderers with a supporting statement if required.

### **16 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 Contracts 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 Contracts 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.

### **17 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.

### **18 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 material, labour, plant, wastage, transport and profit.**

# **SECTION 1: OUTAGES - BILLS OF QUANTITIES**

| Item | Description   | Unit | Qty | No. of Outages | Month /Days/Hrs | Rate | Total Amount  |
|------|---|------|-----|----------------|-----------------|------|---------------|
|      |   |      | A   | B              | C               | D    | A x B x C x D |
|      | <p><b><u>SECTION 1: OUTAGE BOQ</u></b></p> <p><b><u>PREAMBLE</u></b></p> <p><b><u>Currency</u></b></p> <p>All pricing and amounts to be in the currency of South African Rands (ZAR)</p> <p>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</p> <p>A detailed and / or itemised breakdown of the P&amp;G's Items will be requested only from the successful bidders for vetting by the employer.</p> <p><b><u>RATES</u></b></p> <p>The tenderer is advised that any rate that is required for work must include the following breakdown</p> <p>Material, labour, plant, wastage, transport and profit.</p> <p><b><u>LABOUR INTENSIVE ITEMS</u></b></p> <p>The contractor shall comply with all requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No. 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)</p> <p><b><u>SPECIFICATION DOCUMENT</u></b></p> <p>The Contractor is referred to the Specification Document for the full details of the scope and they are urged to read this document prior to pricing this work.</p> <p><b><u>SCOPE OF WORKS</u></b></p> <p>The scope of works encompasses the Provision of Mechanical Maintenance of the Boiler Auxiliary Plant, Soot Blowers and Valves (Outage and Maintenance) at Camden Power Station</p> <p><b><u>PRICING OF THE BILLS OF QUANTITIES</u></b></p> <p>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</p> |      |     |                |                 |      |               |



|      |   |            |          |                |             |   |              |
|------|---|------------|----------|----------------|-------------|---|--------------|
|      | <b><u>BILL NO. 01 - PRELIMINARIES AND GENERAL</u></b> |            |          |                |             |   |              |
|      | <b>Fixed Time Related Items</b>                       |            |          |                |             |   |              |
| 1    | Site Establishment                                    | P/Outage   | 1        | 10             | 1           | R | -            |
| 2    | Site de-Establishment                                 | P/Outage   | 1        | 10             | 1           | R | -            |
| 3    | PPE   | P/Outage   | 77       | 10             | 1           | R | -            |
| 4    | SAPS Vetting / Criminal Vetting                       | No         | 77       | 1              | 1           | R | -            |
| 5    | Consumables   | P/Outage   | 1        | 10             | 1           | R | -            |
| 6    | Tools and Equipment                                   | P/Outage   | 1        | 10             | 1           | R | -            |
| 7    | Staff Medicals - Entry                                | No         | 77       | 1              | 1           | R | -            |
| 8    | Staff Medicals - Renewal (Yearly)                     | No         | 77       | 1              | 2           | R | -            |
| 9    | Staff Medicals - Exit                                 | No         | 77       | 1              | 1           | R | -            |
|      | <b><u>Time Related Items as Per Outage Scope</u></b>  |            |          |                |             |   |              |
|      | <b>Staff Accomodation</b>                             |            |          |                |             |   |              |
| 10   | Staff accomodation                                    | Daily      | 33       | 10             | 90          | R | -            |
|      | <b>Staff Transport</b>                                |            |          |                |             |   |              |
| 11   | 22 Seater (Burners & Steam Drum, Day & Night)         | Daily      | 4        | 10             | 90          | R | -            |
| A    | Bill No.01 - Sub-Total                                |            |          |                |             | R | -            |
|      |   |            |          |                |             |   |              |
| Item | description   | Unit       | Quantity | No. of Outages | Hours/ Days |   | Total Amount |
|      | <b><u>BILL NO. 02 - LABOUR RELATED ITEMS</u></b>      |            |          |                |             |   |              |
|      | <b>Direct Labour- Normal Time</b>                     |            |          |                |             |   |              |
| 12   | Planner   | Hrs/Outage | 1        | 10             | 480         | R | -            |
| 13   | Supervisor  | Hrs/Outage | 2        | 10             | 480         | R | -            |
| 14   | Quality Controller                                    | Hrs/Outage | 2        | 10             | 480         | R | -            |
| 15   | Mechanical Fitter                                     | Hrs/Outage | 8        | 10             | 480         | R | -            |
| 16   | Rigger  | Hrs/Outage | 4        | 10             | 480         | R | -            |
| 17   | Semi-Skilled  | Hrs/Outage | 7        | 10             | 480         | R | -            |
| 18   | Assistants  | Hrs/Outage | 24       | 10             | 480         | R | -            |
| 19   | Rigger Assistant                                      | Hrs/Outage | 8        | 10             | 480         | R | -            |
| 20   | Boilermaker   | Hrs/Outage | 7        | 10             | 480         | R | -            |
| 21   | B-Class Welder  | Hrs/Outage | 7        | 10             | 480         | R | -            |
| 22   | Safety Officer  | Hrs/Outage | 2        | 10             | 480         | R | -            |
| 23   | Fire Watch  | Hrs/Outage | 5        | 10             | 480         | R | -            |
| B    | Sub-Total   |            | 77       |                |             | R | -            |

|    |   |            |    |    |     |   |   |
|----|---|------------|----|----|-----|---|---|
|    | <b>Direct Labour- Overtime @ 1.5</b>                            |            |    |    |     |   |   |
| 24 | Planner   | Hrs/Outage | 1  | 10 | 180 | R | - |
| 25 | Supervisor  | Hrs/Outage | 2  | 10 | 180 | R | - |
| 26 | Quality Controller  | Hrs/Outage | 2  | 10 | 180 | R | - |
| 27 | Mechanical Fitter   | Hrs/Outage | 8  | 10 | 180 | R | - |
| 28 | Rigger  | Hrs/Outage | 4  | 10 | 180 | R | - |
| 29 | Semi-Skilled  | Hrs/Outage | 7  | 10 | 180 | R | - |
| 30 | Assistants  | Hrs/Outage | 24 | 10 | 180 | R | - |
| 31 | Rigger Assistant  | Hrs/Outage | 8  | 10 | 180 | R | - |
| 32 | Boilermaker   | Hrs/Outage | 7  | 10 | 180 | R | - |
| 33 | B-Class Walder  | Hrs/Outage | 7  | 10 | 180 | R | - |
| 34 | Safety Officer  | Hrs/Outage | 2  | 10 | 180 | R | - |
| 35 | Fire Watch  | Hrs/Outage | 5  | 10 | 180 | R | - |
| C  | <b>Sub-Total</b>  |            | 77 |    |     | R | - |
|    | <b>Direct Labour- Overtime (Sunday or P Holiday)</b>            |            |    |    |     |   |   |
| 36 | Planner   | Hrs/Outage | 1  | 10 | 66  | R | - |
| 37 | Supervisor  | Hrs/Outage | 2  | 10 | 66  | R | - |
| 38 | Quality Controller  | Hrs/Outage | 2  | 10 | 66  | R | - |
| 39 | Mechanical Fitter   | Hrs/Outage | 8  | 10 | 66  | R | - |
| 40 | Rigger  | Hrs/Outage | 4  | 10 | 66  | R | - |
| 41 | Semi-Skilled  | Hrs/Outage | 7  | 10 | 66  | R | - |
| 42 | Assistants  | Hrs/Outage | 24 | 10 | 66  | R | - |
| 43 | Rigger Assistant  | Hrs/Outage | 8  | 10 | 66  | R | - |
| 44 | Boilermaker   | Hrs/Outage | 7  | 10 | 66  | R | - |
| 45 | B-Class Walder  | Hrs/Outage | 7  | 10 | 66  | R | - |
| 46 | Safety Officer  | Hrs/Outage | 2  | 10 | 66  | R | - |
| 47 | Fire Watch  | Hrs/Outage | 5  | 10 | 66  | R | - |
| D  | <b>Sub-Total</b>  |            | 77 |    |     | R | - |
|    |   |            |    |    |     |   |   |
| E  | <b>Bill No.02: Sub-Total (B+C+D)</b>                            |            |    |    |     | R | - |
|    |   |            |    |    |     |   |   |
| F  | <b>Grand Total - Excl. VAT - (Transferred to Final Summary)</b> |            |    |    |     | R | - |

## **SECTION 2: MAINTENANCE - BILLS OF QUANTITIES**

| Item | Description   | Unit | Qty | Hours Per Month | Months | Rate | Amount     |
|------|---|------|-----|-----------------|--------|------|------------|
|      |   |      | A   | B               | C      | D    | (=A*B*C*D) |
|      | <p><b><u>SECTION 2: MAINTENANCE BOQ</u></b></p> <p><b><u>PREAMBLE</u></b></p> <p><b><u>Currency</u></b></p> <p>All pricing and amounts to be in the currency of South African Rands (ZAR)</p> <p>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</p> <p>A detailed and / or itemised breakdown of the P&amp;G's Items will be requested only from the successful bidders for vetting by the employer.</p> <p><b><u>RATES</u></b></p> <p>The tenderer is advised that any rate that is required for work must include the following breakdown</p> <p>Material, labour, plant, wastage, transport and profit.</p> <p><b><u>LABOUR INTENSIVE ITEMS</u></b></p> <p>The contractor shall comply with all requirements of the "Code of Good Practice for Employment and Conditions of Work for Special Public Works Programmes" issued in terms of the "Basic Conditions of Employment Act, 1997 (Act No. 75 of 1997)" and the related "Ministerial Determination", for the employment of locally employed temporary workers on a labour-intensive infrastructure project under the Expanded Public Works Programme (EPWP)</p> <p><b><u>SPECIFICATION DOCUMENT</u></b></p> <p>The Contractor is referred to the Specification Document for the full details of the scope and they are urged to read this document prior to pricing this work.</p> <p><b><u>SCOPE OF WORKS</u></b></p> <p>The scope of works encompasses the Provision of Mechanical Maintenance of the Boiler Auxiliary Plant, Soot Blowers and Valves (Outage and Maintenance) at Camden Power Station</p> <p><b><u>PRICING OF THE BILLS OF QUANTITIES</u></b></p> <p>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</p> <p><b><u>BILL NO. 01 - PRELIMINARIES AND GENERAL</u></b></p> |      |     |                 |        |      |            |

|   |   |         |    |     |    |          |          |
|---|---|---------|----|-----|----|----------|----------|
| <b><u>FIXED COST ITEMS</u></b>                          |   |         |    |     |    |          |          |
| 1   | Site Establishment                              | Lot     | 1  | 1   | 1  | R        | -        |
| 2   | Submission of a Safety File                     | Item    | 1  | 1   | 1  | R        | -        |
| 3   | Site de-Establishment on completion of contract | Lot     | 1  | 1   | 1  | R        | -        |
| 4   | Tools and Equipment                             | Lot     | 1  | 1   | 1  | R        | -        |
| 5   | Consumables                                     | Monthly | 1  | 1   | 48 | R        | -        |
| 6   | PPE   | Yearly  | 35 | 2   | 4  | R        | -        |
| 7   | SAPS Vetting / Criminal Vetting                 | No      | 35 | 1   | 1  | R        | -        |
| 8   | Staff Medicals - Entry                          | No      | 35 | 1   | 1  | R        | -        |
| 9   | Staff Medicals - Renewal                        | No      | 35 | 1   | 3  | R        | -        |
| 10  | Staff Medicals - Exit                           | No      | 35 | 1   | 1  | R        | -        |
| <b><u>TIME RELATED ITEMS</u></b>                        |   |         |    |     |    |          |          |
| <b>Cost for Logistical Measure in 60 Months</b>         |   |         |    |     |    |          |          |
| 11  | 22 Seater X1                                    | Monthly | 1  | 1   | 48 | R        | -        |
| 12  | 15 Seater X1                                    | Monthly | 1  | 1   | 48 | R        | -        |
| 13  | Bakkie x1 (Single cab)                          | Monthly | 1  | 1   | 48 | R        | -        |
| <b>A</b>  | <b>Sub Total</b>                                |         |    |     |    | <b>R</b> | <b>-</b> |
| <b><u>BILL NO. 02 - FFP AND DUCTING MAINTENANCE</u></b> |   |         |    |     |    |          |          |
| <b>Direct Labour</b>                                    |   |         |    |     |    |          |          |
| 14  | SITE MANAGER                                    | Hourly  | 1  | 173 | 48 | R        | -        |
| 15  | SITE SUPERVISOR                                 | Hourly  | 2  | 173 | 48 | R        | -        |
| 16  | SAFETY OFFICER                                  | Hourly  | 1  | 173 | 48 | R        | -        |
| 17  | QUALITY OFFICER                                 | Hourly  | 1  | 173 | 48 | R        | -        |
| 18  | FITTERS   | Hourly  | 5  | 173 | 48 | R        | -        |
| 19  | SEMI-SKILLED                                    | Hourly  | 7  | 173 | 48 | R        | -        |
| 20  | ASSISTANTS                                      | Hourly  | 8  | 173 | 48 | R        | -        |
| 21  | WELDER  | Hourly  | 2  | 173 | 48 | R        | -        |
| 22  | BOILERMAKER                                     | Hourly  | 2  | 173 | 48 | R        | -        |
| 23  | RIGGER  | Hourly  | 1  | 173 | 48 | R        | -        |
| 24  | RIGGER ASSISTANT                                | Hourly  | 2  | 173 | 48 | R        | -        |
| 25  | FIRE WATCHER                                    | Hourly  | 1  | 173 | 48 | R        | -        |
| 26  | DRIVER/Storeman                                 | Hourly  | 1  | 173 | 48 | R        | -        |
| 27  | ADMINISTRATOR                                   | Hourly  | 1  | 173 | 48 | R        | -        |
| <b>B</b>  | <b>Sub-Total</b>                                |         |    |     |    | <b>R</b> | <b>-</b> |
| <b>Direct Labour - Overtime</b>                         |   |         |    |     |    |          |          |
| 28  | SITE SUPERVISOR                                 | Hourly  | 2  | 60  | 48 | R        | -        |
| 29  | SAFETY OFFICER                                  | Hourly  | 1  | 60  | 48 | R        | -        |



# **FINAL SUMMARY**

**Provision of Mechanical Maintenance of the Boiler Auxiliary Plant, Soot Blowers and Valves for the Period of 48 Months (Outage and Maintenance)**

**FINAL SUMMARY**

| No       | Description  | Amount     |
|----------|--|------------|
| 1        | Section 1: Outage BOQ  | R -        |
| 2        | Section 2: Maintenance BOQ   | R -        |
|          | <b>Sub-Total</b>   | R -        |
| 3        | Value Added Tax @ 15%  | R -        |
| <b>4</b> | <b>Grand Total (Incl. VAT) - Carried to Form of Offer and Acceptance</b> | <b>R -</b> |