

ENGINEERING AND CONSTRUCTION

2024

**CAMDEN SAFETY VALVE
REFURBISHMENT SERVICE
CONTRACT: CONDENSATE
AND FEEDWATER FOR A PEIOD
OF FIVE (5) YEARS
(PROVISIONAL BILLS OF
QUANTITIES)**

CONTRACT NUMBER :

CONTRACTOR :

CONTRACT AMOUNT (EXCL. VAT) :

CONTRACT AMOUNT (INCL. VAT) :

NOTES TO TENDERERS

The Provision of Safety Valves Refurbishment for the Condensate and Feedwater System Services for a Period of 60 Months

TABLE OF CONTENTS

Contract Data

NOTES TO TENDERERS

Bill of Quantities

Sect No. 1 : Preliminaries and General

Sect No. 2 : Valve Refurbishment

Sect No. 3 : Welding

Sect No. 4 : Replacement

Sect No. 5 : Spares

: 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

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:-

The provision of Safety Valves Refurbishment for the Condensate and Feedwater System Services for a Period of 60 Months at Camden Power Station

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: 60 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.

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.

**SECT. NO. 01: PRELIMINARIES
AND GENERAL**

**The Provision of Safety Valves Refurbishment for the Condensate and Feedwater System
Services for a Period of 60 Months**

Item	Description	Unit	Amount
	<u>BILL NO. 01 - PRELIMINARIES AND GENERAL</u>		
	<u>PREAMBLE</u>		
	For Pricing of the Preliminaries and General Items, see the South African Bureau of Standards Standardised Specification for Civil Engineering Construction (SANS 1200AA - General (Small Works) as a guideline.		
	For Pricing of the Preliminaries and General Items, see the South African Bureau of Standards Standardised Specification for Civil Engineering Construction (SANS 1200AA - General (Small Works) as a guideline.		
	<u>PRICING OF THESE PRELIMINARIES</u>		
	Any items left unpriced will be understood to be provided free of charge and no claim for any extras arising out of the tenderer's omission to price any time will be entertained		
	<u>ESTABLISHMENT OF FACILITIES ON SITE</u>		
	FIXED CHARGES		
1	Contractual requirement (Contractor to supply Breakdown)	Sum	R
	Establishment of Facilities on Site		
2	Transportation to site	Sum	R
3	Offices for engineer & staff and signs	Sum	R
4	Quality	Sum	R
5	SAPS Vetting and /or Finger Print Check	Sum	R
6	Other fixed-charge obligations: security.	Sum	R

	Contractor's obligations in respect of the Occupational Health and Safety Act		
7	Health and Safety Requirements	Sum	R
8	PPE	Sum	R
9	Medicals and Induction	Sum	R
10	De- establishment	Sum	R
	TOTAL COST FIXED CHARGES (A)		R
	<u>TIME RELATED CHARGES</u>		
	<u>FACILITIES FOR CONTRACTOR</u>		
11	Operate & maintain facilities for the duration of the contract	Sum	R
12	Offices for engineer & staff	Sum	R
	Facilities for the Contractor for the duration of construction		
13	Offices & storage sheds	Sum	R
14	Workshops	Sum	R
15	Ablution & latrine facilities	Sum	R
16	Accommodation	Sum	R
17	Transport	Sum	R
18	Plant	Sum	R
19	Other time-related obligations: security and other	Sum	R
	TOTAL COST TIME RELATED ITEMS (B)		R
	TOTAL COST A+B TRANSFERRED TO FINAL SUMMARY PAGE		R

**SECT. NO. 02: VALVE
REFURBISHMENT**

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO. 02 - VALVE REFURBISHMENT</u> Disassembly, Inspection, Spring Stiffness Test, Lap and Blue, Soft Spares Renewal, Serial Number stamping, Valve Assembly, Pressure Setting, Tag installation and Transport to and from Site. The valves must be moved using "gagging" devices (which secure the valves spindle to prevent seat hammering) provided by the contractor. Valves to be securely fastened fastened onto dampening material to prevent any damage during transit:				
1	AULD ⁻ SP06 - 3"	No	17		R
2	AULD ⁻ SP06 - 3" Pilot Valve	No	17		R
3	AULD ⁻ SP06 - 8"	No	44		R
4	AULD ⁻ SP06 - 8" Pilot Valve	No	44		R
5	Bailey Birkett - 707 - 1 1/2'	No	33		R
6	Bailey Birkett - 707 - 1"	No	44		R
7	Birkett 1.5 E2/2711A5/D - 1 1/2"	No	50		R
8	Farris - 26LA21-170, 3"	No	11		R
9	Farris - 26NA11-170; 4"	No	11		R
10	Farris ⁻ 2952 - 6"	No	22		R
11	Hokinson's 513 - 3"	No	22		R
12	Leser Type 526 - 3"	No	11		R
13	THIES ⁻ 359/357 - 3"	No	6		R
14	THIES ⁻ 359/357 - 4"	No	6		R
Total Carried to Final Summary					R

SECT. NO. 03: WELDING

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.03 - WELDING - NONESSENTIAL</u>				
	<u>Preamble:</u>				
	Weld build-up and machining on valve components that are not clearance dependant				
1	AULD SP06 - 3"	No	3		R
2	AULD SP06 - 3" Pilot Valve	No	3		R
3	AULD SP06 - 8"	No	4		R
4	AULD SP06 - 8" Pilot Valve	No	4		R
5	Farris - 26LA21-170, 3"	No	2		R
6	Farris - 26NA11-170; 4"	No	2		R
7	Farris - 2952 - 6"	No	3		R
8	Hokinson's 513 - 3"	No	10		R
9	Leser Type 526 - 3"	No	4		R
10	THIES 359/357 - 3"	No	1		R
11	THIES 359/357 - 4"	No	1		R
Total Carried to Final Summary					R

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.04 - WELDING - SEAL FACE</u>				
	<u>Preamble:</u>				
	<u>Welding - Seal Face</u>				
	Disk and Nozzle seal face machining and hard facing (Stellite 6 Welding)				
1	AULD SP06 - 3"	No	5		R
2	AULD SP06 - 3" Pilot Valve	No	5		R
3	AULD SP06 - 8"	No	8		R
4	AULD SP06 - 8" Pilot Valve	No	8		R
5	Birkett 1.5E2/2711A5/D - 11/2"	No	15		R
6	Farris - 26LA21-170, 3"	No	2		R
7	Farris - 26NA11-170; 4"	No	2		R
8	Farris - 2952 - 6"	No	3		R
9	Hokinson's 513 - 3"	No	10		R
10	Leser Type 526 - 3"	No	4		R
11	THIES 359/357 - 3"	No	4		R
12	THIES 359/357 - 4"	No	4		R
Total Carried to Final Summary					R

SECT. NO. 04: REPLACEMENT

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.05 - REPLACEMENT - SPRING</u>				
	<u>Preamble:</u>				
	Replace valve spring with new Original Equipment Manufacturer or Eskom authorised Spring				
1	AULD SP06 - 3"	No	4		R
2	AULD SP06 - 3" Pilot Valve	No	5		R
3	AULD SP06 - 8"	No	6		R
4	AULD SP06 - 8" Pilot Valve	No	8		R
5	Bailey Birkett - 707 - 11/2"	No	5		R
6	Bailey Birkett - 707 - 1"	No	5		R
7	Birkett 1.5E2/2711A5/D - 11/2"	No	10		R
8	Farris - 26LA21-170, 3"	No	3		R
9	Farris - 26NA11-170; 4"	No	3		R
10	Farris - 2952 - 6"	No	5		R
11	Hokinson's 513 - 3"	No	16		R
12	Leser Type 526 - 3"	No	2		R
13	THIES 359/357 - 3"	No	4		R
14	THIES 359/357 - 4"	No	4		R
	—				
Total Carried to Final Summary					R

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.06 - REPLACEMENT - DISK</u>				
	—				
	<u>Replacement - Disk</u>				
	<u>Preamble:</u>				
	Replace valve spring with new Original Equipment Manufacturer or Eskom authorised Disk/Spindle seat				
1	AULD SP06 - 3"	No	1		R
2	AULD SP06 - 3" Pilot Valve	No	5		R
3	AULD SP06 - 8"	No	2		R
4	AULD SP06 - 8" Pilot Valve	No	6		R
5	Bailey Birkett - 707 - 11/2"	No	10		R
6	Bailey Birkett - 707 - 1"	No	14		R
7	Birkett 1.5E2/2711A5/D - 11/2"	No	30		R
8	Farris - 26LA21-170, 3"	No	1		R
9	Farris - 26NA11-170; 4"	No	1		R
10	Farris - 2952 - 6"	No	4		R
11	Hokinson's 513 - 3"	No	4		R
12	Leser Type 526 - 3"	No	2		R
13	THIES 359/357 - 3"	No	1		R
14	THIES 359/357 - 4"	No	1		R
	—				
Total Carried to Final Summary					R

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.07 - REPLACEMENT - NOZZLE</u>				
	—				
	<u>Replacement - Nozzle</u>				
	<u>Preamble:</u>				
	Replace valve spring with new Original Equipment Manufacturer or Eskom authorised Nozzle				
1	AULD SP06 - 3"	No	1		R
2	AULD SP06 - 3" Pilot Valve	No	5		R
3	AULD SP06 - 8"	No	2		R
4	AULD SP06 - 8" Pilot Valve	No	6		R
5	Bailey Birkett - 707 - 11/2"	No	5		R
6	Bailey Birkett - 707 - 1"	No	7		R
7	Birkett 1.5E2/2711A5/D - 11/2"	No	18		R
8	Farris - 26LA21-170, 3"	No	1		R
9	Farris - 26NA11-170; 4"	No	1		R
10	Farris - 2952 - 6"	No	2		R
11	Hokinson's 513 - 3"	No	2		R
12	Leser Type 526 - 3"	No	1		R
13	THIES 359/357 - 3"	No	1		R
14	THIES 359/357 - 4"	No	1		R
	—				
Total Carried to Final Summary					R

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.08 - REPLACEMENT - SPINDLE</u>				
	—				
	<u>Replacement - Spindle</u>				
	<u>Preamble:</u>				
	Replace valve spring with new Original Equipment Manufacturer or Eskom authorised Spindle				
1	AULD SP06 - 3"	No	2		R
2	AULD SP06 - 3" Pilot Valve	No	2		R
3	AULD SP06 - 8"	No	2		R
4	AULD SP06 - 8" Pilot Valve	No	2		R
5	Bailey Birkett - 707 - 11/2"	No	2		R
6	Bailey Birkett - 707 - 1"	No	2		R
7	Birkett 1.5E2/2711A5/D - 11/2"	No	2		R
8	Farris - 26LA21-170, 3"	No	2		R
9	Farris - 26NA11-170; 4"	No	2		R
10	Farris - 2952 - 6"	No	2		R
11	Hokinson's 513 - 3"	No	2		R
12	Leser Type 526 - 3"	No	2		R
13	THIES 359/357 - 3"	No	2		R
14	THIES 359/357 - 4"	No	2		R
Total Carried to Final Summary					R

SECT. NO. 05: SPARES

Item	Description	UOM	QTY	Rate	Amount
	<u>BILL NO.09 - SPARES</u>				
	<u>Preamble:</u>				
	Keep spares for the Birket - 1.5E2/2711A5/D Safety Valve				
1	Birkett - 1 .5E2/2711A5/D Original Equipment Manufacturer or Eskom approved Disks	No	2		R
2	Birkett - 1 .5E2/2711A5/D Original Equipment Manufacturer or Eskom approved Nozzles	No	2		R
3	Birkett - 1 .5E2/2711A5/D OEM or Eskom approved Springs	No	2		R
Total Carried to Final Summary					R

FINAL SUMMARY

**The Provision of Safety Valves Refurbishment for the Condensate and Feedwater System Services for a
Period of 60 Months**

Final Summary

	Description		Amount
	<u>Final Summary</u>		
	<u>Preliminaries and General</u>		
1	Preliminaries and General	BOQ 1	R
	<u>Valve Refurbishment</u>		
2	Valve Refurbishment	BOQ 2	R
	<u>Welding</u>		
3	Welding - Nonessential	BOQ 3	R
4	Welding - Seal Face	BOQ 4	R
	<u>Replacement</u>		
5	Replacement - Spring	BOQ 5	R
6	Replacement - Disk	BOQ 6	R
7	Replacement - Nozzle	BOQ 7	R
8	Replacement - Spindle	BOQ 8	R
	<u>Spares</u>		
9	Spares	BOQ 9	R
Total (Excl. VAT)			R
VAT @ 15%			R
Total (Incl. VAT)			R