

ESKOM GENERATION**2025****THE INSTALLATION OF ASH WATER
RETURN DAM PIPELINE (PIPELINE 2) FOR A
PERIOD OF 12- MONTHS AT CAMDEN
POWER STATION - BILLS OF QUANTITIES****CONTRACT NUMBER :****CONTRACTOR :****CONTRACT AMOUNT (EXCL. VAT) :****CONTRACT AMOUNT (INCL. VAT) :**

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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 Engineering Construction Short 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 The Contractor is referred to the Scope of works Document and to pay carefull attention to the requirements of this document

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 Boiler Washing Services on as and When Required Bases 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: 12 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 not 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 and these bills of quantities 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.

BILL OF QUANTITIES

Item No.	Description	Unit	Qty	Rate	AMOUNT
	<p><u>ASH WATER RETURN PIPELINE PROVISIONAL BILLS OF QUANTITIES</u></p> <p><u>PREAMBLES</u></p> <p>For Model Preambles refer to SANS Documents which is obtainable on request for the full descriptions of materials and work to be done in this Bill.</p> <p><u>SUPPLEMENTARY PREAMBLES</u></p> <p><u>Rate approvals:</u></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><u>PRICING OF THIS BILLS OF QUANTITIES</u></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><u>BRIEF SCOPE OF WORKS</u></p> <p>The contractor are to refer to the Specification Document "Replacement of Service Water Pipelines " Document Identifier: 229 -T 2749 REV 0 enclosed to these Bills of Quantities. The contractors are urged to study this Scope of works prior to pricing.Eskom will not be held responsible for any ambiguity in respect to this document.</p> <p><u>SCOPE OF WORKS</u></p> <p>The scope of work shall include all equipment required for the complete installation of the</p> <p>The scope of work shall include all equipment required to complete construction of the AWRD line 2 (e.g., Air breathers, Pipes, Valves, flanges, couplings, pipe supports, gaskets, bolts, nuts, etc</p> <p>The Contractor will be responsible for supplying all necessary lifting and rigging equipment equipment to execute the scope</p> <p><u>OTHER REQUIREMNTS</u></p> <p>All welding will be in line with the requirements of EN13480 and the Eskom welding requirements document 240-106628253 Standard for Welding Requirements on Eskom Plant</p> <p>All fit-up inspections must be conducted by Welding Inspector</p> <p>All final welds must be NDT as per 240-83539994 Standard for Non-Destructive Testing (NDT) on Eskom Plant</p> <p>All pipelines to have a corrosive resistant as per Eskom specification 240-106365693</p> <p>NB. NDT's to be conducted by an Eskom approved NDT company</p>				

	<u>SPECIAL NOTES</u>					
	All specifications to be confirmed by the Contractor prior to execution All bends, end caps, T-pieces and reducers should be purchased and not fabricated Material Data Sheet and EN10204 3.1 cert to be supplied to the Client prior to execution Once a detailed SOW is concluded, the Contractor must supply necessary QCP and Welding Procedures for approval prior to commencement.					
	<u>Bill No. 01 Preliminaries and General</u>					
1	Site Establishment	Sum	1		R	-
2	Site De-establishment	Sum	1		R	-
3	PPE	Sum	1		R	-
4	SAPS Clearance/ Vetting	Sum	1		R	-
5	Safety File	Sum	1		R	-
6	Medicals (In and Exit)	Sum	1		R	-
	Subtotal				R	-
1	<u>Bill No. 02 Remove existing Service Water pipelines</u>					
1.1	Carefully remove existing piping and transport to a dedicated point within Camden Facility	m	20		R	-
	<u>Paint Specifications</u>					
1.2	All pipelines to have a corrosive resistant internal and external coating as per Eskom specification	sum	1		R	-
	NB. Internal and external corrosion protection to comply with 240-106365693 - Standard for the External Corrosion Protection of Plant, Equipment and Associated Piping with Coatings and 240-101712128: Standard for the Internal Corrosion Protection of Water Systems, Chemical Tanks and Vessels and Associated Piping with linings Install gaskets and flange pipe sections together by fastening nuts and bolts					
2	<u>Install new pipelines including all valves and fittings</u>					
	All pipeline material will be mild steel to SANS 719, corrosion protection to Eskom specification 240-106365693, final colour to be strong blue SANS1091					
2.1	<u>Pipes to conform to ASTM A 23 WPB</u>					
	200NB in 6m lengths	No.	2		R	-
	400NB in 6m lengths	No.	4		R	-
	600NB in 18m lengths	No.	248		R	-
3	<u>Flanges to conform to SANS 1123</u>					
	<u>Where not flanged pipe specials and pipe lengths to be welded according to Eskom specifications 240-106628253</u>					
	100NB	No.	4		R	-
	200NB	No.	6		R	-
	400NB	No.	10		R	-
	600NB	No.	36		R	-
4	<u>Gaskets</u>					
4.1	Klinger C4430 Gaskets	m	56		R	-
	<u>Viking Johnson Marine couplings with EPDM Gasket powder coated.</u>					
	600 NB	No	248		R	-
5	<u>Galvanised Washers as per BS 10 Table E of latest equivalent High Tensile Strength 8.8</u>					
	M16 Washers-200NB	No.	32		R	-
	M20 Washers-400NB	No.	64		R	-
	M24 Washers-600NB	No.	3 472		R	-
6	<u>Galvanised Nuts as per BS 10 Table E of latest equivalent High Tensile Strength 8.8</u>					
	M16 Nuts-200NB	No.	32		R	-
	M20 Nuts-400NB	No.	64		R	-
	M24 Nuts-600NB	No.	3 472		R	-

7	<u>Galvanised Bolts as per BS 10 Table E of latest equivalent High Tensile Strength 8.8</u>					
	M16 Bolts-100NB	No.	32		R	-
	M20 Bolts-200NB	No.	64		R	-
	M24 Bolts-600NB	No.	3 472		R	-
8	<u>Bend to conform to ASMTM A234 WPB Schedule 40</u>					
	600NB 90 degree Bend	No.	2		R	-
9	<u>T-Piece to conform to ASMTM A234 WPB Schedule 40</u>					
	600 NB T-Piece	No.	4		R	-
10	<u>Endcaps to conform to ASMTM A234 WPB Schedule 40</u>					
10.2	200NB Endcap	No.	20		R	-
11	<u>All valves conform to 240 - 105020315 Eskom Standard for Low Pressure Valves drilled as per BS 10 :Table E or the latest equivalent</u>					
	<u>Valve type : Dual rotating disc gate valve with rising spindle</u>					
	<u>Valve body & gate material Carbon Steel with high chrome content. The valve body is to have ceramic lining.</u>					
11.3	DN 100 PN 16 Resilient Seal 600NB Gate Valve	No.	4		R	-
	DN 200 PN 16 Resilient Seal 600NB Gate Valve	No.	4		R	-
	DN 600 PN 16 Resilient Seal 600NB Gate Valve	No.	1		R	-
12	<u>Air Release Valve</u>					
	Cast Iron Diameter 235 mm x WD 315 mm x HT 442mm x NB 100	No	4		R	-
16	<u>As-built drawings</u>					
16.1	The as-built drawing should include clear labels indicating all welds	Sum	1		R	-
	<u>TESTING AND INSPECTIONS BEFORE DELIVERY</u>					
	The Contractor is to make Provision for Testing and Inspections before delivery of the contract.	Sum	1		R	-
	Subtotal				R	-
	GRAND-TOTAL (EXCL. VAT) TRANSFERRED TO FINAL SUMMARY				R	-

FINAL SUMMARY

THE INSTALLATION OF ASH WATER RETURN DAM PIPELINE (PIPELINE 2) FOR A PERIOD OF 12-MONTHS AT CAMDEN POWER STATION - BILLS OF QUANTITIES

FINAL SUMMARY

No	Description	Amount
1	Bill No. 01 - Preliminaries and General	R
2	Bill No. 02 - AWR BOQ	R
	Sub-Total	R
3	Value Added Tax @ 15%	R
4	Grand Total (Incl. VAT) - Carried to Form of Offer and Acecptance	R