

ESKOM GENERATION

2025/07/21

**PROVISION OF SPARE PARTS AND
SERVICE FOR GENERATOR
ELECTRO DRYERS BAC -50
HYDROGEN DRYERS AS AND
WHEN REQUIRED FOR CAMDEN
POWER STATION FOR A PERIOD
OF 60 MONTHS: BILLS OF
QUANTITIES**

CONTRACT NUMBER :**CONTRACTOR :****CONTRACT AMOUNT :**
(Excluding VAT)**CONTRACT AMOUNT :**
(Including VAT)

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HYDROGEN DRYERS AS AND WHEN REQUIRED FOR CAMDEN POWER STATION FOR A PERIOD
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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 Terms Service Contract Third Edition 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

2.2 DRAWINGS

There are no drawings available for this project

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:-

PROVISION OF SPARE PARTS AND SERVICE FOR GENERATOR ELECTRO DRYERS BAC -50 HYDROGEN DRYERS AS AND WHEN REQUIRED FOR CAMDEN POWER STATION FOR A PERIOD OF 60 MONTHS: BILLS OF QUANTITIES

5. 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.

6.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

7. TENDERS

Tenderers are required to visit the site of the Works before tendering and must obtain a signature from the Employer or his duly authorised representative to the effect that they have done so. Failure to visit the site and to submit the Certificate of Acquaintance with the tender will result in the rejection of the tender.

A Non compulsory teams meeting will be conducted.

The Employer will not be liable for any costs incurred in the preparation of the tender nor will he be bound to accept the lowest or any portion of any tender.

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 Service Manager.

9. AREA OF WORKS

The Tenderer shall ascertain by personal viewing of the site any restrictions to the area that may be occupied by the contractor including any restrictions imposed by any buildings, etc. and any limitations or restrictions that may be imposed by Eskom Engineers.

Access to the site shall be logically planned and enclosed to ensure minimum disruption to existing user operations.

The contractor is deemed to have allowed for all necessary temporary fencing, screening, hoardings, etc.

Space for the storage of Materials must be arranged with the Service Manager

The Contractor shall make all necessary provisions in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained as admitted. Tenderers will be held responsible for any misunderstanding of incorrect information, however obtained, except information which may have been given in writing over the signature of the Service Manager.

10.MANAGEMENT OF WORKS

The Contractor shall, to the satisfaction of the Service Manager, provide, in addition to the Contractor's Site Representative, the services of an experienced and competent Construction Manager.

The names and CV's of the Contractor's proposed Management Team shall be submitted to the Service Manager prior to commencement on site and, after the Service Manager's agreement on the composition and competence thereof has been obtained, no changes shall be made nor shall any member of the said team be removed from the project while remaining in the employ of the Contractor without the Service Manager's prior written approval.

The Contractor shall make necessary provisions in all rates to take into account these requirements as no claims for extras arising from these matters will be subsequently entertained or admitted.

11. INSPECTION OF WORK

The Contractor shall obtain all local authority approvals if required and shall ensure that all work is also approved by the Service Manager prior to covering up. The fact that the work will be inspected periodically in no way absolves the Contractor from total responsibility for the quality of his workmanship and for compliance with the specification. He shall timeously notify the Service Manager so that inspections can be arranged.

12. SITE CLEANLINESS

The Contractor shall clear away all dirt, rubbish and superfluous material as they accumulate and leave the whole of the site clean and tidy on completion to the satisfaction of the Service Manager. The Contractor is advised that the adjacent site is functional at all times and that the incumbents should not be unduly inconvenienced.

13. 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.

14. PROGRAMME

The Contractor will be required to submit an outline programme of work to completion of the contract with the issue of the Form of Offer and Acceptance.

15. CONTRACT PRICE ADJUSTMENT

The Contract Sum shall be subject to CPA

16. PRICED Bills of Quantities:

Tenderers must submit to the 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 initialled and the Index page and the Final Summary page signed in full by the Tenderer.

17. 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 or Special and General Conditions of the NEC Contract.

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 Service Manager will correct the calculation accordingly.

18 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 despatch 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 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.

19. IMPORT PERMITS:

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

20. 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 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 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.

21. CONTRACTOR'S RESPONSIBILITY

The Service Manager and the other Professional Consultants shall not be responsible for any act or omission on the part of the Contractor, which may result in any patent or latent defects, in materials or workmanship, breach or neglect of any local regulations. The Contractor shall at all times be responsible for any such neglect, deviation or wrong act, whether the same is discovered before or after the final certificate, or any other Certificate, has been approved.

22 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.

23 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.

BILLS OF QUANTITIES

PROVISION OF SPARE PARTS AND SERVICE FOR GENERATOR ELECTRO DRYERS BAC -50 HYDROGEN DRYERS AS AND WHEN REQUIRED FOR CAMDEN POWER STATION FOR A PERIOD OF 60 MONTHS: BILLS OF QUANTITIES

ITEM	DESCRIPTION	UOM	5 Yr Qty	RATE	AMOUNT
	<p><u>BILL OF QUANTITIES</u></p> <p><u>PREAMBLE</u></p> <p><u>Currency</u></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&G's Items will be requested only from the successful bidders for vetting by the employer.</p> <p><u>RATES</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>LABOUR INTENSIVE ITEMS</u></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><u>SPECIFICATION DOCUMENT</u></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><u>SCOPE OF WORKS</u></p> <p>The scope of works encompasses the supply of spares as well as the maintenance of generatoes electro dryer BAC-50 Hydrogen Dryer on as and when required basis for a period of 60 months at Camden Power Station</p> <p><u>PRICING OF THE 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>CONTRACT DURATION</u></p> <p>60 months</p> <p><u>BILL NO.01: PRELIMINARIES AND GENERAL</u></p>				
1	COMPILATION AND SUBMISSION OF A SAFETY FILE	SUM	1	R	R
3	MEDICALS - ENTRY	NO	3	R	R
4	MEDICALS - RENEWAL	NO	12	R	R
5	MEDICALS - EXIT	NO	3	R	R
6	POLICE CLEARANCE	NO	3	R	R
7	ESKOM STANDARD KILOMETER RATE	KM	5000	R	R
9	BREAKDOWN CALL OUTS	NO	150	R	R
	<u>SUB - TOTAL</u>				R

BILL NO.02 - MAJOR SERVICES

10	CHANGE DESICCANT	NO	32	R	R
11	CHANGE CARBON MEDIA OVF	NO	32	R	R
12	REMOVE AND TEST HEATER ELEMENT TOWER 1	NO	32	R	R
13	REMOVE AND TEST HEATER ELEMENT TOWER 2	NO	32	R	R
14	REMOVE AND TEST MOTOR TOWER 1	NO	32	R	R
15	REMOVE AND TEST MOTOR TOWER 2	NO	32	R	R
16	SERVICE DRAIN TRAP	NO	80	R	R
17	SERVICE 4-WAY VALVE ACTUATOR	NO	80	R	R
18	CLEAN CONTROL BOX ENCLOSURE	NO	80	R	R
19	OPEN INSPECT AND TEST ISOLATION VALVES	NO	80	R	R
20	CALIBRATE PRESSURE INDICATORS	NO	80	R	R
21	CALIBRATE TEMPERATURE INDICATORS	NO	80	R	R
22	FLUSH DRYER VESSELS AND PIPEWORK	NO	80	R	R
23	BOX UP DRYER AND LEAK CHECK	NO	80	R	R
24	PERFORM FUNCTIONAL TESTING OF DRYER	NO	80	R	R
25	RE-COMMISSION AND CHECK DRYER PERFORMANCE	NO	80	R	R
26	ISSUING OF PER AND OSHACT GAS COMPLIANCCE COC BY CERTIFIED GAS PRACTITIONER	NO	40	R	R
27	FLUSH AND CLEAN COOLING WATER LINES AND REPLACE SIGHT GLASS & FILTER	NO	160	R	R
SUB - TOTAL					R

BILL NO.03 - PARTS					
28	DESICCANT 50LBS PER TOWER 100LBS PER BAC-50 D40107-050	Kg	2400	R	R
29	CARBON MEDIA FILTER D53254	NO	128	R	R
30	ELECTRIC HEATER ELEMENT D53251	NO	64	R	R
31	2-WIRE ELECTRICAL FEEDTHROUGH GLAND FOR HEATER ELEMENT D39014	NO	64	R	R
32	3 WIRE ELECTRICAL FEEDTHROUGH GLAND FOR MOTOR ELEMENT D39013	NO	64	R	R
33	1/2 HP BLOWER MOTOR D35508	NO	64	R	R
34	BLOWER MOTOR WHEEL STOP COLLAR D71119	NO	64	R	R
35	BLOWER MOTOR WHEEL D79890	NO	64	R	R
36	1" 4-WAY VALVE TOP SEAL REPAIR KIT D57427	NO	24	R	R
37	1" DIAPHRAGM VALVE DIAPHRAGMS D57021	NO	144	R	R
38	1/2" DIAPHRAGM VALVE DIAPHRAGMS D57021	NO	144	R	R
39	CONTROL AIR FILTER D52309	NO	24	R	R
40	LIMIT SWITCH D35159	NO	24	R	R
41	SOLENOID VALVE D37518	NO	24	R	R
42	DRYER TOWER TYPE J THERMOCOUPLE D56122	NO	48	R	R
43	PURGE SYSTEM REGULATOR D58821	NO	24	R	R
44	PURGE SYSTEM PRESSURE INDICATOR D52764	NO	24	R	R
45	PURGE SYSTEM DIFFERENTIAL PRESSURE SWITCH D55808	NO	24	R	R
46	TOWER PRESSURE INDICATOR D99087	NO	32	R	R
47	DRYER TEMPERATURE INDICATOR D99088	NO	24	R	R
48	ATHENA TEMPERATURE CONTROLLER D56120 1/16 DIN PANEL MOUNT	NO	48	R	R
49	TEMPERATURE GAUGE INDICATOR (0-300Deg/C) D99088-1	NO	48	R	R
50	TEMPERATURE GAUGE INDICATOR (-20 to 100 Deg/C) D99088-2	NO	48	R	R
51	HEATER CONTACTOR D36630	NO	48	R	R
52	MOTOR STARTER PROTECTOR D36629-KIT	NO	48	R	R
53	CURRENT RELAY D36621	NO	24	R	R
54	HEATER CIRCUIT BREAKER 15 A D38234	NO	24	R	R
55	CONTROL CIRCUIT BREAKER 2.5 A D38233	NO	24	R	R
56	MAIN TRANSFORMER CIRCUIT BREAKER D 98112	NO	16	R	R
57	DRYER HMI AB PRE PROGRAMMED Lectrodryer P/N D3694	NO	12	R	R
58	DRYER PLC AB PRE PROGRAMMED P/N D36966 (MICROLOGIX 1100, #1763-L16AWA)	NO	12	R	R
59	REPLACEMENT SENSOR PROBE ONLY - 36632-001	NO	16	R	R
60	MTS 6 HYGROMETERS (DEW POINT METERS) - D36632-001-SET	NO	16	R	R
61	FLOW METER TECHFLUID GLASS TUBE VA METER - MODEL 2340N/0630/DR	NO	24	R	R
62	CABLE, ELECTRICAL: VOLTAGE: 600 V; CORE QUANTITY: 1; CONDUCTOR MATERIAL: COPPER; CONDUCTOR SIZE: 2.9 MM; ARMOR: NON ARMORED; DESIGN TYPE: MTW/THWN/THHN; CONDUCTOR: CU TINNED; APPLICATION: BREAKER; MANUF P/N: E51583; G-UL; AWG 14 CU; GASOLINA AND OIL RESISTANT; AWM: 600 V; VW-1	M	180	R	R
SUB - TOTAL					R
Grand - Total (Excl. VAT) Transferred to Final Summar Page					R

FINAL SUMMARY

PROVISION OF SPARE PARTS AND SERVICE FOR GENERATOR ELECTRO DRYERS BAC -50 HYDROGEN DRYERS AS AND WHEN REQUIRED FOR CAMDEN POWER STATION FOR A PERIOD OF 60 MONTHS: BILLS OF QUANTITIES

FINAL SUMMARY

No.	<u>Description</u>		Amount
1	Bills Of Quantites		R
	Sub Total		R
	<u>Value Added Tax</u>		
	Allow 15 per cent (15%) of the above sub-total for Value Added Tax		R
	CARRIED TO FORM OF OFFER AND ACCEPTANCE		R