

CAMDEN POWER STATION
 QUANTITY SURVEYING / COST ENGINEERING

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To : Mr Dumisani Nyathikazi

QS REPORT FOR COST ESTIMATES AND COST EVALUATIONS

Project : CAMDEN POWER STATION

Unique Identifier	
Report Revision	
Revision Date	
GROUP PROCUREMENT DIVISION	

Contract No.				
Claim		Budget Provision	x	Modification
Submission		Claim		Variation

Subject : The Provision of Mechanical Maintenance of Boiler Auxiliary (Safety Valves) Services For a Period of 48 months.

1 SUMMARY

The purpose of this report is to provide a cost estimate for the Provision of Mechanical Maintenance of Boiler Auxiliary (Safety Valves) services For a period of 48 months at Camden Power Station.

2 PRICES

The prices are based on the escalated rates for similar items

3 ESTIMATE

A detailed Cost Estimate is attached

3.1 COST SUMMARY

Item #	Description	Estimated Costs	Real Base (8%)	Aspiration (15%)	Supplier Quote	Revised Costs	Comments
1	Total Cost of Works - (Excl. VAT and Contingencies)	R 123 387 337.73	R 113 516 350.71	R 104 879 237.07	R -	R -	
Grand Total		R 123 387 337.73	R 113 516 350.71	R 104 879 237.07	R -	R -	

3.2 ESTIMATING PARAMETERS

Market Related Aspiration		R 123 387 337.73	100%
Lower Parameter	-10%	R 111 048 603.95	90%
Higher Parameter	10%	R 135 726 071.50	110%

3.3 RATE COMPARISON

1 No Rate Comparison was Conducted as this is Only an Estimate.

3.4 ARITHMETICAL ERRORS

None

3.5 QUALIFICATIONS / CLARIFICATIONS

- 1 This QS Estimate is for Budgetary purposes only and does NOT reflect the Final Costs for the Project.
- 2 The QS used the quantities as provided by the End User/s and reasonable and fair assumptions where no information was provided.
- 3 The Descriptions and Quantities are as confirmed by the End User.
- 4 The prices are based on the escalated rates for similar items
- 5 A 2% Contingency amount has been allowed for in this transaction

4 OTHER COST IMPLICATIONS

Escalation during construction which is not allowed for in this Market Analysis

4.1 CONTRACT PRICE ADJUSTMENT (CPA)

Applicable for this transaction but has not been allowed for in this estimate.

4.2 FOREX

N/A

4.3 VALUE ADDED TAX (V.A.T)

Excluded

5 RECOMMENDATION

1 The recommended amount for the works is the QS Estimated amount of

R 123 387 337.73 Excl. VAT but including 5% Contingencies

Nhlakanipho Biyase

Quantity Surveyor

Signature

12/09/2025

Date



Eskom Holding SOC Ltd

ESKOM CAMDEN POWER STATION

CAMDEN

Eskom Holding SOC Ltd

"Per Email"

For Attention : Mr Dumisani Nyathikazi

RE : The Provision of Mechanical Maintenance of Boiler Auxiliary (Safety Valves) Services For a Period of 48 months.

Market Analysis Cost Estimate Report - Rev.02

The purpose of this report is to provide a cost estimate for the Provision of Mechanical Maintenance of Boiler Auxiliary (Safety Valves) services For a period of 48 months at Camden Power Station.

The cost breakdown for this work is as follows:

MARKET ANALYSIS - COST ESTIMATE:

Service Provider's Work

- 1 Total Cost of Work: Maintenance
- 2 Total Cost of Work: Outage

Sub-total

Preliminaries and Generals

Sub-total

Contingencies 2.0%

Sub-total

Value Added Tax (15%) 15%

Current Est. Cost Incl. V.A.T

Camden Power Station Safety Valves	
R	87 638 217.73
R	35 749 120.00
R	123 387 337.73
	Included above
R	123 387 337.73
R	2 467 746.75
R	125 855 084.48
R	18 878 262.67
R	144 733 347.15

As per the above, the total estimated cost for the above work is **R 142 285 947.20** Including VAT and Contingencies.

The estimate **excludes** the cost of the following for which separate provision should be made where required:

- 1. Escalation (During contract period)

Assuring you of our best attention at all times.

Kind Regards

Officer Quantity Surveyor
Nhlakanipho Biyase

ITEM	DESCRIPTION	UNIT	QUANTITY (A)	HOURS/MONTH (B)	Months (C)	Rate	Amount	Escalation Factor	Escalation	Rate	Amount
MAINTENANCE											
100	a) PRELIMINARY AND GENERAL FIXED RELATED ITEMS										
1	Site Establishment	Lot	1	1	1	R 1 990 000.00	R 1 990 000.00	0.25732	R 512 066.80	R 2 502 066.80	R 2 502 066.80
2	Site de-Establishment on Completion of contract	Lot	1	1	1	R 600 000.00	R 600 000.00	0.25732	R 154 392.00	R 754 392.00	R 754 392.00
3	Tools & Equipment	Lot	1	1	1	R 1 534 400.00	R 1 534 400.00	0.25732	R 394 831.81	R 1 929 231.81	R 1 929 231.81
4	Consumables	Lot	1	1	1	R 3 217 500.00	R 3 217 500.00	0.25732	R 827 927.10	R 4 045 427.10	R 4 045 427.10
5	Medicals (In and Renewal)	Lot	15	3	1	R 1 500.00	R 1 930 500.00	0.25732	R 385.98	R 1 885.98	R 84 869.10
6	Medicals (out)	Lot	15	1	1	R 1 500.00	R 1 930 500.00	0.25732	R 385.98	R 1 885.98	R 28 289.70
7	SAPS/ Fingerprint Vetting	Lot	15	1	1	R 500.00	R 7 500.00	0.25732	R 128.66	R 628.66	R 9 429.90
8	PPE Maintenance	Lot	15	1	4	R 3 500.00	R 210 000.00	0.25732	R 900.62	R 4 400.62	R 264 037.20
	Fixed Related Items Sub total 100						R 11 420 400.00				R 9 617 743.61
TIME RELATED ITEMS											
200	b) Cost for Health and Safety Measure per 36 Months										
9	Store room x 1	Monthly	1	1	48	R 1 447.88	R 69 498.24	0.25732	R 372.57	R 1 820.45	R 87 381.53
10	Trevi Test(As and when required)	Monthly	1	1	48	R 55 000.00	R 2 640 000.00	0	R -	R -	R 2 640 000.00
	Time Related Items Sub total 200						R 2 709 498.24				R 2 727 381.53
300	c) Cost for Logistical Measure in 36 Months										
12	16 Seater transport x 1	Month	1	1	48	R 35 000.00	R 1 680 000.00	0.25732	R 9 006.20	R 44 006.20	R 2 112 297.60
13	Fork Lift x 1	Month	1	1	48	R 14 478.75	R 694 980.00	0.25732	R 3 725.67	R 18 204.42	R 873 812.25
14	Bakkie x 1 (Double Cab)	Month	1	1	48	R 14 478.75	R 694 980.00	0.25732	R 3 725.67	R 18 204.42	R 873 812.25
	Cost for Logistical Sub total 300						R 3 069 960.00				R 3 859 922.11
400	SECTION 1										
Direct Labour- Normal Hours											
15	Site Manager x 1	Hour	1	173	48	R 482.63	R 4 007 759.52	0.25732	R 124.19	R 606.82	R 5 039 036.20
16	Supervisor	Hour	1	173	48	R 289.58	R 2 404 672.32	0.25732	R 74.51	R 364.09	R 3 023 442.60
17	Planner	Hour	1	173	48	current	current	Current	Current	R 280.21	R 2 326 863.84
18	Assistant Rigger	Hour	2	173	48	R 115.83	R 1 923 704.64	0.25732	R 29.81	R 145.64	R 2 418 712.32
19	Mechanical Fitter	Hour	2	173	48	R 212.36	R 3 526 874.88	0.25732	R 54.64	R 267.00	R 4 434 410.32
20	Quality Controller (Mechanical)	Hour	1	173	48	R 289.58	R 2 404 672.32	0.25732	R 74.51	R 364.09	R 3 023 442.60
21	Rigger	Hour	1	173	48	R 212.36	R 1 763 437.44	0.25732	R 54.64	R 267.00	R 2 217 205.16
22	Safety Officers	Hour	1	173	48	R 289.58	R 2 404 672.32	0.25732	R 74.51	R 364.09	R 3 023 442.60
23	Semi-skilled	Hour	4	173	48	R 115.83	R 3 847 409.28	0.25732	R 29.81	R 145.64	R 4 837 424.64
24	Quality Controller (Welding)	Hour	1	173	48	R 289.58	R 2 404 672.32	0.25732	R 74.51	R 364.09	R 3 023 442.60
	Direct Labour Sub total 400						R 24 687 875.04				R 33 367 422.89
500	Direct Labour- Overtime (Weekdays & Saturdays)										
25	Site Manager x 1	Hour	1	0	48	R 723.95	R -	0.25732	R 186.29	R 910.23	R -
26	Supervisor	Hour	1	60	48	R 434.37	R 1 250 985.60	0.25732	R 111.77	R 546.14	R 1 572 889.21
27	Planner	Hour	1	60	48	current	current	Current	Current	R 420.32	R 1 210 507.20
28	Assistant Rigger	Hour	2	60	48	R 173.75	R 1 000 771.20	0.25732	R 44.71	R 218.45	R 1 258 289.65
29	Mechanical Fitter	Hour	2	60	48	R 318.54	R 1 834 790.40	0.25732	R 81.97	R 400.51	R 2 306 918.67
30	Quality Controller (Mechanical)	Hour	1	60	48	R 434.37	R 1 250 985.60	0.25732	R 111.77	R 546.14	R 1 572 889.21
31	Rigger	Hour	1	60	48	R 318.54	R 917 395.20	0.25732	R 81.97	R 400.51	R 1 153 459.33
32	Safety Officers	Hour	1	60	48	R 434.37	R 1 250 985.60	0.25732	R 111.77	R 546.14	R 1 572 889.21
33	Semi-skilled	Hour	4	60	48	R 173.75	R 2 001 542.40	0.25732	R 44.71	R 218.45	R 2 516 579.29
34	Quality Controller (Welding)	Hour	1	60	48	R 434.37	R 1 250 985.60	0.25732	R 111.77	R 546.14	R 1 572 889.21

	Direct Labour Overtime Saturday Sub total 500						R	10 758 441.60				R	14 737 310.99			
600	Direct Labour- Overtime (Sundays & Holidays)															
35	Site Manager x 1	Hour	1	30	48	R	965.26	R	1 389 974.40	0.25732	R	248.38	R	1 213.64	R	1 747 642.61
36	Supervisor	Hour	1	30	48	R	579.16	R	833 990.40	0.25732	R	149.03	R	728.19	R	1 048 592.81
37	Planner	Hour	1	30	48		current	current	Current	Current	R	560.42	R	807 004.80		
38	Assistant Rigger	Hour	2	30	48	R	231.66	R	667 180.80	0.25732	R	59.61	R	291.27	R	838 859.76
39	Mechanical Fitter	Hour	2	30	48	R	424.72	R	1 223 193.60	0.25732	R	109.29	R	534.01	R	1 537 945.78
40	Quality Controller (Mechanical)	Hour	1	30	48	R	579.16	R	833 990.40	0.25732	R	149.03	R	728.19	R	1 048 592.81
41	Rigger	Hour	1	30	48	R	424.72	R	611 596.80	0.25732	R	109.29	R	534.01	R	768 972.89
42	Safety Officers	Hour	1	30	48	R	579.16	R	833 990.40	0.25732	R	149.03	R	728.19	R	1 048 592.81
43	Semi-skilled	Hour	4	30	48	R	231.66	R	1 334 361.60	0.25732	R	59.61	R	291.27	R	1 677 719.53
44	Quality Controller (Welding)	Hour	1	30	48	R	579.16	R	833 990.40	0.25732	R	149.03	R	728.19	R	1 048 592.81
	Direct Labour Overtime Sunday Sub total 600							R	8 562 268.80				R	11 572 516.61		
	<u>OFFSITE WORK</u>															
45	Collection from site	No	30	1	1				Current Rate	Current Rate	R	16 938.05	R	508 141.50		
46	PreTest valve	No	30	1	1				Current Rate	Current Rate	R	23 149.55	R	694 486.50		
ew	Strip valve	No	30	1	1				Current Rate	Current Rate	R	46 827.05	R	1 404 811.50		
48	Sandblast Valve	No	30	1	1				Current Rate	Current Rate	R	11 218.55	R	336 556.50		
49	Inspections	No	30	1	1				Current Rate	Current Rate	R	16 348.55	R	490 456.50		
50	Strip Report Prep	No	30	1	1				Current Rate	Current Rate	R	6 544.55	R	196 336.50		
51	Lap and Machine Seat Cone and Blue Check	No	30	1	1				Current Rate	Current Rate	R	92 029.55	R	2 760 886.50		
52	Replace Thrust Bearing	No	30	1	1				Current Rate	Current Rate	R	63 616.55	R	1 908 496.50		
53	Replace Gasket	No	30	1	1				Current Rate	Current Rate	R	9 127.55	R	273 826.50		
54	Replace Grease Nipples	No	30	1	1				Current Rate	Current Rate	R	2 239.55	R	67 186.50		
55	Assemble valve	No	30	1	1				Current Rate	Current Rate	R	55 347.30	R	1 660 419.00		
56	Pressure Test	No	30	1	1				Current Rate	Current Rate	R	23 149.55	R	694 486.50		
57	Coat Valve	No	30	1	1				Current Rate	Current Rate	R	8 390.00	R	251 700.00		
58	Delivery to site	No	30	1	1				Current Rate	Current Rate	R	16 937.65	R	508 129.50		
								R	-				R	11 755 920.00		
	Total Maitenance (Excl. VAT)												R	87 638 217.73		

Item	Description	UOM	Qty (A)	Months per Outage	Number of Outages	Rate	Amount	Escalation Factor	Escalation	Rate	Amount
	OUTAGE										
400	SECTION 1 - Safety Valves Outages										
	Trevi Test(As and when required)	No	8	1	10			Current Rate	Current Rate	R 55 000.00	R 4 400 000.00
	OFFSITE WORK										
21	Collection from site	No	8	1	10			Current Rate	Current Rate	R 16 938.05	R 1 355 044.00
22	PreTest valve	No	8	1	10			Current Rate	Current Rate	R 23 149.55	R 1 851 964.00
23	Strip valve	No	8	1	10			Current Rate	Current Rate	R 46 827.05	R 3 746 164.00
24	Sandblast Valve	No	8	1	10			Current Rate	Current Rate	R 11 218.55	R 897 484.00
25	Inspections	No	8	1	10			Current Rate	Current Rate	R 16 348.55	R 1 307 884.00
26	Strip Report Prep	No	8	1	10			Current Rate	Current Rate	R 6 544.55	R 523 564.00
27	Lap and Machine Seat Cone and Blue Check	No	8	1	10			Current Rate	Current Rate	R 92 029.55	R 7 362 364.00
28	Replace Thrust Bearing	No	8	1	10			Current Rate	Current Rate	R 63 616.55	R 5 089 324.00
29	Replace Gasket	No	8	1	10			Current Rate	Current Rate	R 9 127.55	R 730 204.00
30	Replace Grease Nipples	No	8	1	10			Current Rate	Current Rate	R 2 239.55	R 179 164.00
31	Assemble valve	No	8	1	10			Current Rate	Current Rate	R 55 347.30	R 4 427 784.00
32	Pressure Test	No	8	1	10			Current Rate	Current Rate	R 23 149.55	R 1 851 964.00
33	Coat Valve	No	8	1	10			Current Rate	Current Rate	R 8 390.00	R 671 200.00
34	Delivery to site	No	8	1	10			Current Rate	Current Rate	R 16 937.65	R 1 355 012.00
	Sub - Total						R -				R 35 749 120.00
	Total OUTAGE (excl VAT)										R 35 749 120.00

