

Waste Water Treatment Plant

C2.2 Price List

PRICING DATA

CALL OUT FEE + DIAGNOSTIC AND REPAIR RATES

NOTE:

All rates for all activities including diagnostic and repair shall include all required tools, software, hardware, and consumables (including all applicable specialized tools and software, hardware, and consumables) Onus is on the contractor to price correctly).

All *call out* shall include all applicable travelling, all personnel insurance, holidays with pay, incentive bonuses etc. Labour laws and all applicable laws shall be followed by the contractor.

Call outs are not chargeable during hours technician/artisan/assistants or any applicable resource are on site.

Call outs are not chargeable during airport operating hours i.e. when technician/ assistants are on site (08:00 – 17:00)

The contractor will be compensated according to the contractor's repair rate provided in the below table A and it is subject to discussion with the service manager due to external factors that are beyond the contractor's control) .

PRICE SCHEDULE 1: OPERATION OF WASTEWATER TREATMENT PLANT (WWTP)

(NB: Price to be inclusive of labour, tools, consumables, PPEs, administrative cost, travelling and onsite vehicle.)

PRICING SCHEDULE 1A				
Item No.	Activity Description	Hourly Rate	Quantity (24 hours per day x 31 days)	Monthly Price
1	WWTP Operation	R	744	
TOTAL				R

PRICE SCHEDULE 1B			
Item no.	Activity Description	Monthly Price (A)	Yearly Price Excl VAT B = (A x 12)
1	WWTP Operation	R	R

PRICE SCHEDULE 2: PREVENTIVE MAINTENANCE

PRICE SCHEDULE 2					
		(A)	(B)	(C)	(D)
Item no.	Activity Description	Weekly Price Excluding VAT	Monthly Price Excluding VAT	Quarterly Price Excluding VAT	Yearly Price Excluding VAT
1	WASTEWATER TREATMENT PLANT (WWTP)				
1.1	WEEKLY Checks/Service	R	N/A	N/A	(A x 40) R
1.2	MONTHLY Service	N/A	R	N/A	(B x 8) R
1.3	QUARTERLY Service	N/A	N/A	R	(C x 3) R
1.4	YEARLY/ANNUAL Service	N/A	N/A	N/A	R
Sub-Total a					R
NB: There is a total of 40 weeks because other weeks will be covered by the monthly maintenance. There are 8 months because other months will be covered by the quarterly maintenance. There are 3 quarters because the last quarter will be covered by the annual maintenance.					
2	ADDITIONAL SUBMERSIBLE PUMPS				
		Rate per Pump (A)	Quantity (B)		Yearly Price (A x B)
	Annual Service	R	7	N/A	R
Sub-Total b					R
TOTAL 2 (Sub-totals a+b above)				Excl VAT	R

PRICE SCHEDULE 3: MONITORING, SAMPLING, ANALYSIS & REPORTING (Compliance and Operational)

PRICE SCHEDULE 3a): COMPLIANCE SAMPLING

Sampling to be done by a SANAS accredited laboratory.

Price To include all Sampling consumables, transportation of samples, analysis and report.

PRICE SCHEDULE 3a)						
Item no	Treatment Stage	Sampling Point	Price per Sampling Point (A)	Frequency per month (B)	Total Monthly C =(A x B)	Total Yearly Excl VAT D = (12 x C)
1	Preliminary	Raw	R	4		
2	Secondary	Filter Feed/TET Feed	R	4		
3	Tertiary	Final Discharge	R	4		
4	Receiving	Upstream	R	4		
5	Environment	Downstream	R	4		
TOTAL 3a)					Excl VAT	R

PRICE SCHEDULE 3b): OPERATIONAL DETERMINANTS SAMPLING

On-site Laboratory:

On-site Tests Including Equipment, consumables, analysis and report.

PRICE SCHEDULE 3b)			
No.	Description	Monthly	Yearly Excluding VAT
1	On-site Sampling	R	R

TOTAL 3b) Excl VAT

PRICING SCHEDULE 4: CALL OUTS (AFTER HOURS)

CALL OUT FEE + DIAGNOSTIC AND REPAIR RATES

NOTE:

All rates for all activities including diagnostic and repair shall include all required tools, software, hardware, and consumables (including all applicable specialized tools and software, hardware, and consumables) Onus is on the contractor to price correctly).

All *call out* shall include all applicable travelling, all personnel insurance, holidays with pay, incentive bonuses etc. Labour laws and all applicable laws shall be followed by the contractor.

The Contractor shall not charge for Corrective Maintenance performed during normal working hours. The contractor will be compensated according to the contractor’s repair rate provided in the below table A and it is subject to discussion with the service manager due to external factors that are beyond the contractor’s control) .

PRICE SCHEDULE 4a) : CALL-OUTs – 1st Hour			
Description	Estimate Quantity per year	Call out fee	Total/year Excl VAT
*Call Out Fee which includes first hour on site and travelling fee (after hours, weekends and holidays)	24	R	R

PRICING SCHEDULE 4b): DIAGNOSTIC AND REPAIR TABLE

PRICE SCHEDULE 4b)

Diagnostic with repairs table:
 (time below includes the total time to do diagnostics and repairs for each failure mode and completely resolve the issues leaving the infrastructure totally correctly functional. Note the rates must include all required tools, special tools, software, and hardware require to completely resolve the failure)

Item #	Call description	Estimated time to repair / reset (as logged in the ACSA system) – HRS A	Budgeted /Estimated Quantity per Year B	Rate per hour (after hours): C	TOTAL Excl VAT D =(Ax B x C)
1	Raw Sewer Pump	2	8	R	R
2	SBR Faulty	2	10		
3	Filters	2	4		
4	Pumps	2	8		
5	Belt Press	2	4		
6	Submersible Pump	4	12		
7	Float Switches	2	24		
8	Faulty Valve	2	24		
9	Dosing Pump Faulty	2	10		
10	Compressor	2	10		
11	Electrical Faults	4	16		
12	Software	4	4		
13	Blocked Line	3	16		
14	Spillage	3	24		

TOTAL 4b)	Excl VAT	R
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PRICE SCHEDULE 5: DRY SLUDGE REMOVAL

PRICE SCHEDULE 5					
Item no.	Activity Description	Cost/Drum (A)	Number of Drums per month (B)	Monthly Price C=(AxB)	Yearly Price D=(Cx12)
1	Supply of Drum (Include label)	R	45	R	
2	Disposal (Include Transportation)	R	45	R	
TOTAL 5				Excl VAT	R

The number of drums to be supplied and disposed of on a monthly are estimated at 45, the numbers may vary from time to time.

PRICE SCHEDULE 6: GRASS CUTTING (INCLUDES EQUIPMENT AND CONSUMABLES)

PRICE SCHEDULE 6					
Item no.	Activity Description	Area (Sqm) A	Rate/Sqm B	Monthly Cost C	Yearly Price D=C x 12
1	Grass Cutting	3500	R	R	R

PRICE SCHEDULE 7: CARTING FOR SEWER PITS

Item no.	Activity Description	Rate per day	Quantity	Yearly Price
1	Carting of Effluent	R	20	R

PRICE SCHEDULE 8 - PROVISIONAL COST

PRICE SCHEDULE 8		
Number	Item	Total per year Excl VAT
1	Additional Sampling and Analysis	R 50 000.00
2	Chemicals	R1 500 000.00
3	Airport personnel access permits, vehicle airside access permits and induction	10 000.00
4	Medicals	10 000.00
5	Office Rental	65 000.00
6	Calibration	15 000.00
7	Safety File	5 000.00
8	Site Establishment	40 000
TOTAL 8 Excl VAT		R 1 695 000.00

Provisional amounts: When claiming for provisional amounts, the Contractor should provide all third-party documents e.g. quotations, invoices, delivery notes etc. to support claims. All provisional amounts shall be on preapproval basis.

PRICE SCHEDULE 9: PROVISION FOR THIRD PARTY PROCURED ITEMS/SERVICES INCLUDING MARK UP

Value of Item or Services	Mark-up (A)	Estimated Spares (B)	TOTAL/year Excl VAT (C) = B + (AxB)
R0 - R2,000	%	R50 000.00	R
R2,001 – R5,000	%	R 100 000.00	R
R5,001 – R10,000	%	R150 000.00	R
R10,001 – R50,000	%	R200 000.00	R
TOTAL 9		Excl VAT	R

PRICE SCHEDULE 10 : SUMMARY PRICING SCHEDULE

Price Schedule	Description	Price/Year Excluding VAT
1	Operation of Wastewater Treatment Plant	R
2	Preventive Maintenance	
3a)	Monitoring, Sampling, Analysis & Reporting - Compliance	
3b)	Monitoring, Sampling, Analysis & Reporting - Operational	
4a)	CALL-OUT 1st Hour	
4b)	CALL-OUT after 1st Hour: Diagnostic and Repair	
5	Dry Sludge Removal	
6	Grass Cutting	
7	Carting of effluent	
8	Provisional Amount	1 695 000.00
9	Provision for 3rd party procured items/services including mark-up	
TOTAL Excl CPI and VAT for Year 1		R

SUMMARY PRICING SCHEDULE FOR TWO (2) years

INCLUDES ESTIMATED ANNUAL 6% CPI and VAT.

Description	TOTAL Excluding VAT
Year 1 Total from Summary Pricing Schedule 10	R
Year 2 = (Year 1 x CPI 6%) + Year 1	R
GRAND TOTAL (For 2 years = Year 1 +Year 2) Including CPI and Excluding VAT (Carry over to Form of Offer and Acceptance)	R
15% VAT (Carry over to Form of Offer and Acceptance)	R

GRAND TOTAL Including CPI and VAT (Carry over to Form of Offer and Acceptance)	R
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Contract values will be increased per the current index stipulated in Statistic SA – Consumer Price Indices - all income groups, on contractual anniversary. 6% escalation is used for illustrative purposes.

It must be noted that this amount is for illustrative purposes only and that the Employer will not be under any obligation to expend the full or any portion of this amount. Monthly contract expenditure will be strictly calculated according to the Activity/Pricing Schedule as provided above.

LABOUR RATES

NOT TO BE INCLUDED IN SUMMARY PRICING SCHEDULE

Below rates is for any Adhoc works outside the contract pricing schedules.

All rates to exclude VAT. Subject to agreement between the Employer and the Contractor, the number of staff allocated to the contract may be increased/decreased to cater for special needs that may arise from time to time.

Labour rates shall include all personnel insurance, holidays with pay, incentive bonuses.

No labour shall be charged for travel or travelling. Labour time shall be calculated for the time spent on site.

The contractor will be compensated according to the contractor’s repair rate provided in the table below and it is subject to discussion with the service manager due to external factors that are beyond the contractor’s control.

Item	Description	Normal Hours (R/hour)	After hours (R/hour)		
			Weekday	Saturday	Sunday public holiday
1	Site Manager				
2	Millwright				
3	Technician assistant				
4	Process Controller				
5	Assistant Process Controller				

This schedule is not to be included in the Pricing Summary; it is only for ad-hoc works.

MAINTENANCE RATES

	Description	Spec	Quantity	Rate per equipment (Monthly Checks)	Rate per Equipment Quarterly Maintenance	Rate per Equipment Yearly Maintenance
1	Raw Sewer Pump	7.5kW 380V, 4 pole 50Hz	2	R	R	R
2	Filter Backwash Pump	5.5kW 380V, 3 pole 50Hz	2	R	R	R
3	Blower	5.5kW 380V, 2 pole 50Hz	1	R	R	R
4	SBR Aerator	37kW 380V, 3phase 50Hz	4	R	R	R
5	Compressor	DT 10 DETROIT AIR COMPRESSOR	2		R	R
6	Ferric Dosing Pump		2	N/A	R	R
7	Centrifugal Pump (Buffer Dam)	45kW 380V, 3phase 50Hz	1	N/A	R	R
8	Belt Press (Dewatering Press)		1	R	R	R
9	Submersible (Basement)	3.7kW	2	N/A	R	R
10	Submersible (Car Rental Depot)	3.7kW	4	N/A	R	R
11	Vega Submersible pump 0.75kW - 240V (Basement Entry)	0.75 kW	1	N/A	R	R
12	Motor Control Panel		1	N/A	R	R
13	Programmable Logic Control (PLC)		2	N/A	R	R
14	Standby Generator		1	N/A	R	R