

BILL OF QUANTITIES: APPOINTMENT OF A SERVICE PROVIDER FOR MAINTENANCE, REPAIRS AND EMERGENCY CALL OUT ON VARIOUS CRITICAL MECHANICAL AND ELECTRICAL SYSTEMS AT COUNCIL FOR GEOSCIENCE OFFICES FOR A PERIOD OF THREE (03) YEARS.
BID NUMBER: CGS-2026-033NM

1.	HVAC System Minor Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
1.1	Fan Coil Units	520	Item	2		R
1.2	AHU	2	Item	2		R
1.3	Chiller integral pump	2	Item	2		R
1.4	Heat Recovery pumps	2	Item	2		R
1.5	Seconday CW pumps	2	Item	2		R
1.6	Seconday HW pumps	2	Item	2		R
1.7	Primary CW Pumps	2	Item	2		R
1.8	Primary HW Pumps	2	Item	2		R
1.9	Chiller	2	Item	2		R
1.10	Fans (Fresh air & extraction)	14	Item	2		R
1.11	BMS System	1	Item	2		R
1.12	Heat Exchangers	2	Item	2		R
1.13	Thermal Storage Tanks	2	Item	2		R
1.14	Motorised Valves	2	Item	2		R
1.15	HVAC MV LV Electrical Panel	1	Item	2		R
1.16	HVAC Expansion Tanks	4	Item	2		R
	Total					R

2.	HVAC System Major Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
2.1	Fan Coil Units	520	Item	2		R
2.2	AHU	2	Item	2		R
2.3	Chiller integral pump	2	Item	2		R
2.4	Heat Recovery pumps	2	Item	2		R
2.5	Seconday CW pumps	2	Item	2		R
2.6	Seconday HW pumps	2	Item	2		R
2.7	Primary CW Pumps	2	Item	2		R
2.8	Primary HW Pumps	2	Item	2		R
2.9	Chiller	2	Item	2		R
2.10	Fans (Fresh air & extraction)	14	Item	2		R
2.11	BMS System	1	Item	2		R
2.12	Heat Exchangers	2	Item	2		R
2.13	Thermal Storage Tanks	2	Item	2		R
2.14	Motorised Valves	2	Item	2		R
2.15	HVAC MV LV Electrical Panel	1	Item	2		R
2.16	HVAC Expansion Tanks	4	Item	2		R
	Total					R

3.	Pumps, Compressors & Other Mech Equipment Minor Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
3.1	Domestic Water Pump	2	Item	2		R
3.2	Effluent Pump	2	Item	2		R
3.3	Effluent Circulation Pump	2	Item	2		R
3.4	Vacuum pump	1	Item	2		R
3.5	Compressor	1	Item	2		R
3.6	9.1 m3 Pressure Vessel	1	Item	2		R
3.7	Hot water Tanks	1	Item	2		R
3.8	Lifting Equipment	2	Item	2		R
3.9	Denim Water Plant	1	Item	2		R
3.10	Boom gates and spikes	2	Item	2		R
3.11	Turnstile Gate	2	Item	2		R
3.12	Industrial Roller Doors	4	Item	1		R
3.13	Mobile Air Compressors	3	Item	1		R
	Total					R

4.	Pumps, Compressors & Other Mech Equipment Major Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
4.1	Domestic Water Pump	2	Item	2		R
4.2	Effluent Pump	2	Item	2		R
4.3	Effluent Circulation Pump	2	Item	2		R
4.4	Vacuum pump	1	Item	2		R
4.5	Compressor	1	Item	2		R
4.6	9.1 m3 Pressure Vessel	1	Item	2		R
4.7	Hot water Tanks	1	Item	2		R
4.8	Lifting Equipment	2	Item	2		R
4.9	Denim Water Plant	1	Item	2		R
4.10	Boom gates and spikes	2	Item	2		R
4.11	Turnstile Gate	2	Item	2		R
4.12	Industrial Roller Doors	4	Item	1		R
4.13	Mobile Air Compressors	3	Item	1		R
	Total					R

5.	Lifting Equipment Certification					
Item No.	Description	Quantity	Unit	Frequence	Unit Price	Amount
5.1	Annual Inspection & Certification of the lift equipment	2	Item	1		R
	Total					R

	Year 1 Pricing Summary - Mechanical Systems				
	Description				Amount
1.	HVAC System Minor Maintenance				R
2.	HVAC System Major Maintenance				R
3.	Pumps, Compressors & Other Mech Equipment Minor Maintenance				R
4.	Pumps, Compressors & Other Mech Equipment Major Maintenance				R
5.	Lifting Equipment Certification				R
	Year 1 Total				R

	Pressure Equipment Test & issuing Certificate of Conformity					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
1	9.1 m3 Pressure Vessel	1	Item	1		R
2	Hot water Tanks	1	Item	1		R
3	HVAC Expansion Tanks	4	Item	1		R
4	Mobile Air Compressors	3	Item	1		R
	Total					R

A.	Summary Contract Total for 3 Years				
	Description				Amount
A.1	Year 1 Total				R
A.2	Year 2 Total = Year 1 Total * 1.06 (CPI)				R
A.3	Year 3 Total = Year 2 Total * 1.06 (CPI)				R
A.4	Pressure Equipment Test & issuing Certificate of Conformity				R
	Grand Total Vat Excl.				R

NOTE 1: Indicative escalation of 6% used.
Escalation will be linked to the CPI
NOTE 2: Rates are inclusive of labour, tools, health and safety requirement, travelling and any other applicable charge per service
Note3: If using excel BOQ, Only complete the Cells highlighted in yellow

1.	Electrical System Minor Maintenance					
Item No.	Description	Quantinty	Unit	Frequency	Unit Price	Amount
1.1	Generators - 275 KVA	2	Item	1		R
1.2	UPS - 100 kVA & 120 KVA	4	Item	3		R
1.3	Distribution Boards & ATS	84	Item	1		R
1.4	HVAC Transformer	1	Item	1		R
1.5	Electric Fence	1	Item	3		R
1.6	Transformers	2	Item	1		R
	Total					R

2.	Electrical System Major Maintenance					
Item No.	Description	Quantinty	Unit	Frequency	Unit Price	Amount
2.1	Generators - 275 KVA	2	Item	1		R
2.2	UPS - 100 kVA & 120 KVA	4	Item	1		R
2.3	Distribution Boards	84	Item	1		R
2.4	HVAC Transformer	1	Item	1		R
2.5	Electric Fence	1	Item	1		R
2.6	Transformers	2	Item	1		R
	Total					R
	Year 1 Pricing Summary - Mechanical Systems					
	Description					Amount
1.	Electrical System Minor Maintenance					R
2.	Electrical System Major Maintenance					R
	Year 1 Total					R

B.	Summary Contract Total for 3 Years					
	Description					Amount
B.1	Year 1 Total					R
B.2	Year 2 Total = Year 1 Total * 1.06					R
B.3	Year 3 Total = Year 2 Total * 1.06					R
	Grand Total Vat Excl.					R

NOTE 1: Indicative escalation of 6% used. Escalcation will be linked to the CPI

NOTE 2: Rates are inclusive of labour, tools, health and safety requirement, travelling and any other applicable charge per service

Note3: If using excel BOQ, Only complete the Cells highlighted in yellow

1.	Electrical & Mechanical System Minor Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
1.1	Cassette Units	46	Item	2		R
1.2	Midwall Split	1	Item	2		R
1.3	VRV outdoor unit	7	Item	2		R
1.4	Generator	1	Item	1		R
1.5	Electric Fence	1	Item	2		R
1.6	Gate Motors	2	Item	2		R
1.7	Boom gate	1	Item	2		R
1.8	Industrial Garage Doors	2	Item	3		R
1.9	UPS	1	Item	2		R
1.10	Distribution Boards	3	Item	1		R
1.11	Extraction Fans	2	Item	1		R
	Total					R

2.	Electrical & Mechanical System Major Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
2.1	Cassette Units	46	Item	2		R
2.2	Midwall Split	1	Item	2		R
2.3	VRV outdoor unit	7	Item	2		R
2.4	Generator	1	Item	1		R
2.5	Electric Fence	1	Item	3		R
2.6	Gate Motors	2	Item	2		R
2.7	Boom gate	1	Item	2		R
2.8	Industrial Garage Doors	2	Item	1		R
2.9	UPS	1	Item	2		R
2.10	Distribution Boards	3	Item	1		R
2.11	Extraction Fans	2	Item	1		R
	Total					R

	Year 1 Pricing Summary - Mechanical Systems					
	Description					Amount
1.	Electrical & Mechanical System Minor Maintenance					R
2.	Electrical & Mechanical System Major Maintenance					R
	Year 1 Total					R

C.	Summary Contract Total for 3 Years					
	Description					Amount
C.1	Year 1 Total					R
C.2	Year 2 Total = Year 1 Total * 1.06					R
C.3	Year 3 Total = Year 2 Total * 1.06					R
	Grand Total Vat Excl.					R

NOTE 1: Indicative escalation of 6% used. Escalation will be linked to the CPI

NOTE 2: Rates are inclusive of labour, tools, health and safety requirement, travelling and any other applicable charge per service

Note3: If using excel BOQ, only complete the Cells highlighted in yellow

1.	Electrical & Mechanical System Minor Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
1.1	Central air cooler	1	Item	1		R
1.2	Generator	1	Item	1		R
1.3	Industrial Garage Doors - Manual	4	Item	2		R
1.4	Electrical Charging System - Forklift	2	Item	2		R
1.5	Crusher Plant	1	Item	1		R
1.6	Distribution Board	1	Item	1		R
1.7	Industrial Garage Doors - Motorised	4	Item	2		R
	Total					R

2.	Electrical & Mechanical System Major Maintenance					
Item No.	Description	Quantity	Unit	Frequency	Unit Price	Amount
2.1	Central air cooler	1	Item	1		R
2.2	Generator	1	Item	1		R
2.3	Industrial Garage Doors - Manual	2	Item	2		R
2.4	Electrical Charging System - Forklift	2	Item	2		R
2.5	Crusher Plant	1	Item	1		R
2.6	Distribution Board	1	Item	1		R
2.7	Industrial Garage Doors - Motorised	4	Item	2		R
	Total					R

3	Year 1 Pricing Summary - Mechanical Systems					
	Description					Amount
3.1	Electrical & Mechanical System Minor Maintenance					R
3.2	Electrical & Mechanical System Major Maintenance					R
	Year 1 Total					R

D	Summary Contract Total for 3 Years					
	Description					Amount
D.1	Year 1 Total					R
D.2	Year 2 Total = Year 1 Total * 1.06					R
D.3	Year 3 Total = Year 2 Total * 1.06					R
	Grand Total Vat Excl.					R

NOTE 1: Indicative escalation of 6% used. Escalcation will be linked to the CPI

NOTE 2: Rates are inclusive of labour, tools, health and safety requirement, travelling and any other applicable charge per service

Note3: If using excel BOQ, only complete the Cells highlighted in yellow

Mark-up percentage for spares and other services not listed on the BoQ

Amount	Mark-up %
0 - R 9999	
R10 000 - R49 999	
R50 000 - R99 999	
R100 000 - R499 999	
R 500 000 and Above	

Labour Rate for Emergency Work

Normal Working Hours	Rate per hour
Engineer	
Technician	
Technician Assistance	

Overtime Normal Workdays and Saturdays	
Engineer	
Technician	
Technician Assistance	

Overtime Sundays and Public Holidays	
Engineer	
Technician	
Technician Assistance	

#Travel	
Rate/km	

Travelling rate only applies on attending to emergencies

	Descrpition	Amount
A.	HQ HVAC	R
B.	HQ Electrical	R
C.	Bellville Mechanical & Electrical	R
D.	NBCD	R
	GRAND MAINTENANCE COST	R
	PROVISION FOR SPARES AND OTHER VARIABLE COST = 20%* MAINTENANCE	R
	Grand Total excl. VAT	R
	Vat at 15%	R
	Grand Total incl. VAT	R

TREATMENT OF ARITHMETIC ERRORS IN THE BID PRICE

If the pricing schedule apply and there is an error in the line-item total resulting from the product or services of the unit rate and quantity, the line-item total shall govern, and rate shall be corrected. Where there is obviously gross misplacement of the decimals point in the unit rate, the line-item total as quoted shall govern and the unit rate shall be corrected.

Where there is an error in the of the prices, either as result of other corrections required by the checking process or in the bids addition of prices, the total of the prices shall govern, and the service provider will be asked to revise selected item prices to achieve the total quoted price.

No bidder shall be offered competitive advantage to change total quoted prices after the closing of the bid.

Signature

Date

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Position

Name of bidder

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