

**TERMS OF REFERENCE: SERVICING OF GENERATOR****GENERATOR SIZE**

QUEENSTOWN CAMPUS	630 KVA
ADMIN/EZIBELANI CAMPUS	315 KVA
NONESI CAMPUS	50 KVA
STEKSPRUIT (Engineering & Business Campus)	500KVA
ALIWAL NORTH (Eng & Business Campus)	500KVA

MAINTENANCE AND SERVICING

1. Replace engine lubricating oil, remove and dispose used oil from Ikhala College site in a regulatory compliant manner.
2. Replace oil, fuel and coolant filters and add corrosion inhibitor, as needed.
3. Replace lube oil in hydraulic governors (where applicable)
4. Check all spark plugs, ignition condenser, cap, rotor, wires and points, clean and adjust.
5. Cooling Systems
6. Radiator/ heating exchanger checks and servicing
7. Coolant – Add corrosion inhibitor checks and servicing
8. Hose and connections checks and servicing
9. Fan belts checks and servicing
10. Jacket water heater checks and servicing
11. Water pump checks and servicing
12. Thermostat checks and servicing

FUEL SYSTEMS

1. Inspect Fuel Tank
2. Fuel lines connections
3. Inspect Governor and Controls
4. Supply and install new fuel filters Primary/ Secondary
5. Check fuel pressure pump

AIR INTAKE AND EXHAUST SYSTEM

1. Check, air filters, and replace when required
2. Check and service air filter service indicator
3. Check and service air inlet system
4. Check and service turbocharger
5. Check and service exhaust manifold
6. Check and service exhaust system valves & valve rotators

LUBE OIL SYSTEM

1. Oil must be topped up to the prescribed level

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2. Engine oil to be changed when indicated to be necessary by result of oil analysis or
3. when specified by engine manufacturer, whichever period occurs first

SUPPLY AND INSTALL NEW ENGINE OIL COMPONENTS

1. Test oil pressure
2. Check crank case breather
3. Perform oil sample analysis
4. Check starting system

BATTERIES, STARTERS, ALTERNATORS & ENGINE MANAGEMENT

1. Batteries - specific gravity
2. Check, and service Battery charger
3. Check, and service Starter motor
4. Check, and service Alternator
5. Check, and service engine monitor & safety controls

GAUGES

1. Check, and service Safety controls
2. Check, and service Remote annunciators/Alarms
3. Check and Service Bearings, Space Heaters and Vibration Isolators
4. Check and service bearings
5. Check and service space heater
6. Check and service vibration Isolators

CONTROL PANEL

1. Check and service start control – manual/ Auto
2. Check and service voltmeter
3. Check and service ammeter
4. Check and service frequency meter
5. Check and service circuit breaker
6. Check and service auto transfer switch

PLEASE NOTE:

1. Supplier to adhere to all OHS and relevant applicable regulations
2. Supplier to provide own storage for equipment and/or materials
3. Supplier to submit full report on work done together with invoice.

CONTACT PERSONS: Mr. S Msindo Tel: 047 – 873 8809



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	DESCRIPTION	UNIT PRICE	QTY	PRICE
	SERVICE OF GENERATORS			
1	100KVA TO 350 KVA			
	REPLACE SERVICE FILTERS			
	CLEAN UNIT (SOAP, RAGS)			
	TURBO DIESEL OIL			
	ANTI FREEZE			
	LABOUR ON SITE			
	TRANSPORT			
2	350KVA TO 500 KVA			
	REPLACE SERVICE FILTERS			
	CLEAN UNIT (SOAP, RAGS)			
	TURBO DIESEL OIL			
	ANTI FREEZE			
	LABOUR ON SITE			
	TRANSPORT			
3	550 KVA TO 650KVA			
	REPLACE SERVICE FILTERS			
	CLEAN UNIT (SOAP, RAGS)			
	TURBO DIESEL OIL			
	ANTI FREEZE			
	LABOUR ON SITE			
	TRANSPORT			
	CALL OUT			
	REFILL PER LITRE			
	% MARK UP ON MATERIALS			
		SUB TOTAL		

TRANSPORT
TRUCK DELIVERY
LABOUR ON SITE

0
0
0

TOTAL
15% VAT
TOTAL
PRICE
INCLUDE
VAT

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Administration Centre: **F.M. Section**

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Tel: 047 – 873 8800

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