

Annexure C3.2:

1. Scope of work

- A. Scope of Work to service the fire suppression and detection systems.

Control panels:

- Check alarm accept and reset functions
- Lamp test done – all in order
- Panel keys in panel – on site
- Lightning – surge protection installed
- Check all fuses.

Power supplies

- Record mains voltage
- Record charge voltage
- Record battery voltage
- Record loop/zone voltage
- Physical condition in order

Fire alarms – detection

- Clean sensors
- Test sensor operation
- Test fault condition per zone
- Test fire condition per zone
- Test red manual call point operation
- Test audible and visual alarms

FM 200 cylinders

- Type of agent
- Quantity of gas cylinders
- Cylinder size – volume
- Confirm cylinder body in order
- Check manifold in order
- Check hoses in order
- Check piping and nozzles in order

Gas suppression electronics

- Confirm gas extinguishing operation
- Confirm gas relay interface operation
- Confirm detonator in order
- Confirm solenoid voltage reading
- Confirm pilot cylinder pressure in order

NB: On completion of maintenance ensure gas relay interface connections in order

B. FIRE SUPPRESSION SYSTEM

Quarterly Service and test fire suppression system, provide service reports and certificates.

- Item 1: WA 1 Central Sludge MCC Room
- Item 2: WA 1 Chlorine Plant MCC Room
- Item 3: WA 1 Engine Room 1 400 MCC Room
- Item 4: WA 1 Engine Room 1 6.6 MCC Room
- Item 5: WA 1 Engine Room 2 400 MCC Room
- Item 6: WA 1 Engine Room No 2 6.6 MCC Room
- Item 7: WA 1 Filter House 2B MCC Room
- Item 8: WA 1 New Quarter Sub MCC Room
- Item 9: WA 1 No. 2 Slaker House MCC Room
- Item 10: WA 1 Recovery Pump House MCC (Detection)
- Item 11: WA 2 No. 2 Lime Plant MCC Room
- Item 12: WA 2 Engine Room 3 MCC Room
- Item 13: WA 2 Engine Room 4A MCC Room
- Item 14: WA 2 Engine Room 4B MCC Room
- Item 15: WA 2 No. 2 Central Sludge MCC Room
- Item 16: WA 2 Slaker House 3 MCC Room
- Item 17: WA 2 No. 4 Slaker House MCC Room
- Item 18: WA 2 No. 4C Wash Water Pump House MCC Room
- Item 19: WA 2 4A Raw Water Pump House MCC Room
- Item 20: WA 2 4B Raw Water Pump House MCC Room
- Item 21: WA 2 Server/WA 2 Control room No 4
- Item 22: Planning Offices Archive
- Item 23: Refill the cylinders with FM 200 gas as and when required

C. FIRE DETECTION SYSTEM

Quarterly Service and test fire detection system, provide service reports and certificates.

- Item 24: WA 1 Lab Offices
- Item 25: Main Admin Building Offices
- Item 26: Finance Offices
- Item 27: Planning Offices
- Item 28: Risk Offices
- Item 29: WA 2 No. 4 Admin Block Offices
- Item 30: WA 2 Maintenance Core Offices
- Item 31: WA 2 Maintenance Core T&P store
- Item 32: WA 2 No. 3 Control Offices
- Item 33: Servicing of central monitoring system at alarm receiving centre (Risk Control Office)

NOTE:

- 1 The service provider shall service the equipment on a quarterly basis.
- 2 The service shall be conducted by SAQCC approved technicians.
- 3 Refill the gas cylinder as and when required.
- 4 The service provider shall provide maintenance report after completion of work.

The following minimum pre-qualifiers shall apply:

- Recognized companies that is registered with SAQCC Fire

Annexure C4: Site Information

Zuikerbosch Water Treatment Plant (Rand Water)
100 Vischgat Road, Three Rivers East, Vereeniging

S26 41 520 E28 00 061

The workplace is surrounded by system with water flow.
Upon issuing of purchase order a safety file with risk assessment will be required

Working time is from 7h00 to 16h00