

Annexure C3.2 Scope of Work –

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

- The service provider shall service the equipment on a quarterly basis.
- Refill the gas cylinder as and when required.
- The service provider shall provide maintenance report after completion of work.
- The successful supplier must submit a safety file and attend induction before work can commence.

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



BID No.: 10416868

BID Description: Service of fire suppression and

detection systems Rand Water Zuikerbosch

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 are 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)

PAC Sprinkler remedial work for Insurance coverage compliance

1 x Supply and install 150 MM Flow switch and Test Valve

2 x Supply and install Gauge Cocks

1 x Supply and install Water Motor Alarm Gong

1 x Supply and install 150 MM Gate Valve

Replace 85 painted Sprinkler Heads

Reinstate 2x Roof supports

Supply and Replace 1 x Incorrect Sprinkler Head

Supply and Replace 1 x damaged sprinkler Head

Drain and refill 2 x Sprinkler system

1x P & G

After completion of the project the successful supplier arrange for inspection to be done by
Automatic Sprinkler Inspection Bureau (ASIB)



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Annexure C4 – Site Information

RAND WATER ZUIKERBOSCH –

Vischagat Road, Three Rivers East

Vereeniging, 1939

GPS Coordinates: S 26° 41.520 and E 28° 00.061

Working Hours

Mon-Thurs 07:00-16:00

Fri – 07:00-14:00

THE IMPORTANCE OF WEARING PPE

Everyone accessing the plant will be expected to wear safety shoes, failure to which no access will be granted.

THE IMPORTANCE OF CARRYING YOUR DRIVER'S LICENSE

Everyone accessing the site using personal or company vehicles is requested to always carry their valid driver's license.

VALID CAR DISCS ARE ESSENTIAL

Every company or personal vehicle accessing the site must have a valid car disc. The biometric system will scan and cross-reference these discs to ensure compliance with local regulations. Failure to have a valid car disc may result in the vehicle being refused entry.

DATA SECURITY

The site complies with the principle of Personal Access to Information Act (PAIA) and as such all data collected will be treated with the utmost confidentiality and used solely for security and access control purposes.