

Annexure C3.2 Scope of Work

Scope of Work

REPAIRS & MAINTENANCE OF VARIOUS ROLLER SHUTTER DOORS AT RAND WATER ZUIKERBOSCH WATER TREATMENT PLANT, THREE RIVERS EAST.

Description of works

SCOPE OF WORK FOR ROLL-UP SHUTTER DOORS

Mechanical Components

- Check all components that are used to fasten or mount the door wherever it is mounted. (Fasten, fix, replace if needed)
- Check condition of the canopy; (Fasten, fix, or replace if needed)
- Check the condition of the tension spring and lubricate if needed.
- Check, clean and lubricate the door guides.
- Check, clean/repair and lubricate the door.
- Check the condition of the slats and end caps; (Replace if necessary).
- Check the condition of the T-bar; (Replace if damaged).
- Check how the door opens and closes.
- Check the condition of the stoppers and make sure it serves its purpose.
- Check the functionality of manual crank operated door.
- Check the functionality of manual chain operated door.

Electrical and instrumentation components

- Check if there is power supply.
- Check the circuit breaker of the roller shutter door.
- Check whether the motor functions correctly.
- Check the condition of control switches including remote controls and their functionality.
- Check if electronic limit sensors function correctly.
- Make sure the motor override chain is long enough that it can be operated easily on a stable position.

Residential Area

Line 20: Replace 25 x A Block property houses garage doors.

A Block = House A1 – House A14

A Block House A104 – House A114

H= 2.18m

W=2.522m

Station 1 & 2 Work Area

Line 10: Replace Roller Shutter door at No1 Lime Plant generator room

H=2.85m

W=2.16m

Line 810: No1 Engine Room (west & east) Service Roller doors
H=3.6m W=3.3m

Line 820: No2 Engine Room (Main door). Repair and service Main roller shutter door.
H= 2.911m W=3.686m

Line 830: No2 Engine Room. (Main Entrance) Repair and service roll up steel door
H=2.911m W=3.686m

Line 840: No1 Works Area Chlorine Plant (north and south) Repair and service both Roller Shutter door.
H=3.616m W=3.5m

Line 850: No1 Electrical Workshop. Service both Roller Shutter doors
H=4.024M W=4.272m

Line 860: No1 Mechanical Workshop. Service Roller Shutter door.
H=3.699m W=3.341M

Line 870: No1 Instruments Workshop. Service Roller Shutter door.
H=3.699m W=3.341m

Line 880: No1 Sludge Plant. service roller shutter door.
Height=3.51 Meter Width= 4.335Metre

Line 890: No1 Welding Shop (Oupa) Service Roller Shutter door.
H=3.053M W=3.052

Line 900: No1 Welding Workshop (Jabu) Service Roller Shutter door
H= 3.008m W= 3.59m

Station 3 Work Area

Line 30: Polly Dosing Plant G & H = Replace the broken roller shutter door slats and shaft. (H = 2.4m x W = 2.3m)

Line 40: No. 3 Control Room (west) = Supply, Install and Commission new motor (220V) and service the roller shutter door. (H = 5.4m x W =3.53m)

Line 50: No. 3 Engine Room = Supply & install new industrial Roller Shutter Door with open/close, hold switch, long override chain switch. 50% solid & perforated slats.
(H = 4.95m x W = 5.53

Line 60: Polly Dosing Plant J & K = Service 1 roller shutter door. (H = 2.47m x W = 1.7m)

Line 70: Polly Dosing Plant L & M = Repair & Service 1 roller shutter door.
(H = 2.4m x W = 1.7m)

Line 80: Lime Dosing Pump House = Service 1 roller shutter door.
(H = 3.2m x W = 1.84m)

Line 90: No. 3 Chlorine Plant (east) = Repair & Service 1 front roller shutter door, re-align & fix the cover and remount plus check the sensor. (H = 3.8m x W = 4.1m)

Line 10: No. 3 Chlorine Plant (west) = Repair & Service 1 back roller shutter door,
re-align & fix the cover and remount plus check the sensor. (H = 3.8m x W = 4.1m)

Line 110: No. 3 Control Room (east) = Service 1 roller shutter door. (H = 5.4m x W = 3.53m)

Line 120: No. 3 Blower Room = Service 1a roller shutter door.
(H = 5.4 x W = 5.2m)

Line 130: No. 3 Blower Room = Service 1b roller burglar shutter door.
(H = 5.4m x W = 5.2m)

Line 140: No. 3 Blower Room = Service 1c steel roller burglar shutter door.
(H = 3.2m x W = 4.7m)

Line 150: No. 3 Blower Room = Service 1d steel roller burglar shutter door.
(H = 3.2m x W = 4.7m)

Line 160: No. 3 Engine Room = Service 1a roller shutter door.
(H = 3m x W = 3.1m)

Line 170: No. 3 Engine Room = Service 1b roller shutter door.
(H = 3m x W = 3.1m)

Line 180: No. 3 Engine Room = Service 1c roller shutter door.
(H = 3m x W = 3.1m)

Line 190: No. 3 Engine Room = Service 1 sliding shutter door.
(H = 4.84m x W = 4.84m)

Line 200: No. 3 Engine Room = Repair & Service 1 steel burglar door, fix and align.
(H = 4.84m x 4.84m).

Line 210: No. 3 Fire Bank Building = Service 1 roller shutter door.
(H = 2.5m x W = 2.42m)

Line 220: No. 3 Ferric Plant = Service 1a roller shutter door.
(H = 2.27m x W = 1.5m)

Line 230: No. 3 Ferric Plant = Service 1b roller shutter door.
(H = 2.3m x W = 1.5m)

Line 240: No. 3 Ferric Plant = Repair and Service 1c roller shutter door.
(H = 2.3m x W = 1.5m)

Line 250: No. 3 Slaker House = Service 1a roller shutter door.
(H = 2.8m x W = 2.63m)

Line 260: No. 3 Slaker House = Service 1b roller shutter door.
(H = 2.8m x W = 2.63m)

Line 270: No. 3 Filter House (Compressor Room) = Service 1 roller shutter door.
(H = 4m x W = 2.94m)

Line 280: Flocculator No. 4 (Valve 144) = Repair & Service 1 roller shutter door, re-align slates.
(H = 2.73m x W = 1.3m)

Line 290: Flocculator No. 3 (Valve 145) = Repair and Service 1 roller shutter door.
(H = 2.73m x W = 1.3m)

Line 300: Flocculator No. 2 (Valve 146) = Service 1 roller shutter door plus alignment.
(H = 2.73m x W = 1.3m)

Line 310: No.3 Systems Sedimentation Tank = Supply & install 1 new industrial roller shutter door.
(H = 2.63m x W = 1.42m)

Station 4

Line 320: Engine Room 4A (Generator 1 - 5) = Service rolls up burglar doors.
(H = 5.3m x W = 3.4m)

Line 330: Engine Room 4A (Between A&B-1) = Service rolls up burglar door.
(H = 4.95m x W = 4.95m)

Line 340: Engine Room 4A (Between A&B-2) = Service rolls up shutter door.
(H = 5.2m x W = 4.8m)

Line 350: Engine Room 4A (West side) = Service 1 small roll up shutter door.
(H = 2.5 m x W = 1.34m)

Line 360: Fire Bank Building = Service rolls up shutter door.
(H = 5.3m x W = 3.4m)

Line 370: Chlorine 4A (North and South) = Service rolls up shutter.
(H = 4.5m x W = 4.1m)

Line 380: Chlorine 4B (South and North) = Service rolls up shutter.
(H = 4.5m x W = 4.1m)

Line 390: Filter House 4A (1) = Service the roll up shutter door.
(H = 2.22m x W = 1.74m)

Line 400: Filter House 4A (2) = Service the roll up shutter door.
(H = 2.5m x W = 3.3m)

Line 410: Filter House 4A (3) = Service the roll up shutter door.
(H = 2.5m x W = 3.3m)

Line 420: Filter House 4B (1) = Service the roll up shutter door.
(H = 2.22m x W = 1.74m)

Line 430: Filter House 4B (2) = Service the roll up shutter door.
(H = 2.5m x W = 3.3m)

Line 440: Filter House 4B (3) = Service the roll up shutter door.
(H = 2.5m x W = 3.3m)

Line 450: Filter House 4C (1 - 10) = Service the roll up shutter door.
(H = 2.5m x W = 2.7m)

Line 460: 4C Wash Water Pump House (1) = Service the roll up shutter door.
(H = 2.6m x W = 2.3m)

Line 470: 4C Wash Water Pump House (2) = Service the roll up shutter door.
(H = 4.7m x W = 4.2m)

Line 480: Central Sludge No.2 (1 & 2) = Service the roll up shutter door.
(H = 5.33m x W = 4.8m)

Line 490: Central Sludge No.2 (3 - 6) = Service the roll up shutter door.
(H = 3.8m x W = 2.7m)

Line 500: Wash Water Treatment Plant (1) = Service the roll up shutter door.
(H = 3.97m x W = 3.27m)

Line 510: Wash Water Treatment Plant (2) = Service the roll up shutter door.
(H = 3.3m x W = 1.72m)

Line 520: Wash Water Treatment Plant (3) = Service the roll up shutter door.
(H = 3.1m x W = 2.8m)

Line 530: Wash Water Treatment Plant (4) = Service the roll up shutter door.
(H = 2.4m x W = 2.8m)

Line 540: Compressor Room next to S-system (1) = Service the roll up shutter door.
(H = 2.8m x W = 3m)

Line 550: Compressor Room next to S-system (2) = Service the roll up shutter door.
(H = 3.4m x W = 2.91m)

Line 560: WA2 Maintenance Workshops (1) = Repair & Service the roll up shutter door.
(H = 4.6m x W = 4.3m)

Line 570: WA2 Maintenance Workshops (2) = Service the roll up shutter door.
(H = 3.23m x W = 3.8m)

Line 580: WA2 Maintenance Workshops (3) = Service the roll up shutter door.
(H = 2.9m x W = 3.5m)

Line 590: WA2 Maintenance Workshops (4) = Service the roll up shutter door.
(H = 2.6m x W = 3.3m)

Line 600: WA2 Maintenance T & P Store (2) = Service the roll up shutter door.
(H = 3.4m x W = 2.96m)

Line 610: WA2 Maintenance T & P Store (2) = Service the roll up shutter door.
(H = 3.4m x W = 2.96m)

Line 620: Crusher House no.4 (1) = Service the roll up shutter door.
(H = 3.8m x W = 3.3m)

Line 630: Crusher House no.4 (2) = Service the roll up shutter door.
(H = 3.4m x W = 2.7m)

Line 640: Raw Water no. 4 Pump House (1 & 2) = Service 2 x the roll up steel burglar door.

(H = 5.5m x W = 4.5m)

Line 650: Raw Water no. 4 Pump House (3 & 4) = Service 2 x roll up shutter door.
(H = 5.4m x W = 4.5m)

Line 660: Raw Water no. 4 Pump House (5 & 6) = Service 2 x roll up steel burglar door at MCC room.
(H = 2.8m x W = 2.1m)

Line 670: PAC Plant (1-5) = Service 5 x roll up shutter door.
(H = 4.5m x W = 3.3m)

Line 680: Flocculator F9 & F10 (1) = Service the roll up shutter door.
(H = 2.5m x W = 1.2m)

Line 690: Sodium Silicate Dosing Plant (1) = Service the roll up shutter door.
(H = 2.5m x W = 1.2m)

Line 700: Sodium Silicate Dosing Plant (2) = Service the roll up shutter door.
(H = 2.5m x W = 2.6m)

Line 710: Sodium Silicate Dosing Plant (3) = Service the roll up shutter door.
(H = 2.3m x W = 1.9m)

Line 720: Sodium Silicate Dosing Plant (4) = Service the roll up shutter door.
(H = 2.3m x W = 1.2m)

Line 730: Sodium Silicate Dosing Plant (5) = Service the roll up shutter door.
(H = 2.3m x W = 1.2m)

Line 740: Slaker House no.4 (1) = Service the roll up shutter door.
(H = 2.7m x W = 2.2m)

Line 750: Slaker House no.4 (2) = Service the roll up shutter door.
(H = 3.6m x W = 2.4m)

Line 760: Ferric Plant no.4 (1 - 3) = Service 3 x roll up shutter door.
(H = 2.5m x W = 1.2m)

Line 770: Service 2 x roll up shutter door and replace T-Bar and Yale Lock.
(H = 3.4m x W = 4m)

Line 780: Lime Plant no. 2 (3) = Service 4 x roll up shutter door.
(H = 3.4m x W = 4m)

Line 790: Lime Plant no. 2 (5) = Service the roll up shutter door.
(H = 3.4m x W = 2.8m)

Line 800: Lime Plant no. 2 (6&7) = Service the roll up shutter door.
(H = 3.4m x W = 2.3m)

Safety file to be submitted and Induction to be attended before work commences

Annexure C4 Site Information

Site Briefing 17.06.2025 @ 09:00

RAND WATER ZUIKERBOSCH – we meet at Risk Control Parking Area

Vischagat Road, Three Rivers East

Vereeniging, 1939

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

Working Hours Mon-Thur 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.

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