# Annexure C2.3:

# Scope of work

Refurbishment of filter blowers at Zuikerbosch Water Treatment Plant

* 1. **Refurbishment of Holmes RBST8 Blower**

Stripp the blower

Press out Lobes from bearing Housing

Remove, Inspect and repair gears

Inspect, fill up and machine the lobes into size

Replacement of the leaking end plate

Machine bearing housing

Replace sleeves

Replace bearings

Replace bushes

Inspect and clean sight glass

Polish the shaft

Inspect and Install pulley

Check oil leaks

Check the lobe and end cover clearances

Drive end is grease lubricated, and non-drive end is oil lubricated.

A blue and grey pipe

AI-generated content may be incorrect.

1. **Refurbishment of SR500-7333 Blower**

The blower already stripped

Press out Lobes from bearing Housing

Replace the cracked end plate

Machine bearing housing

Replace sleeves

Inspect and repair gears

Replace bearings

Replace bushes

Replace the pulley- pulley to secure 4 x v-belt (v-belt SPC 22N X4000)

Inspect, fill up and machine the lobes into size

Inspect and clean sight glass

Polish the shaft

Check oil leaks

Check the lobe and end cover clearances

Drive end is grease lubricated, and non-drive end is oil lubricated

A machine with a round metal cylinder

AI-generated content may be incorrect.

A pile of metal parts

AI-generated content may be incorrect.

**Note:**

After receiving the purchase order QCP to be submitted

**Rand Water representative** to be informed after stripping.

Data pack to be submitted: End cover material specifications

Clearances

Findings reports

1. **Repair 2 x silencer for Holmes RBST8 Blower**

Suction silencer and supply 7 x filters

Discharge silencer

**A group of round metal objects

AI-generated content may be incorrect.**

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Discharge Silencer

Suction Silencer

**Annexure C4: Site Information**

Zuikerbosch Water Treatment Plant (Rand Water)

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