ANNEXURE C3.2: SCOPE OF WORK

A) SUPPLY AND INSTALL ROLLER DOORS ON VARIOUS AREAS AT RAND WATER ZUIKERBOSCH WATER TREATMENT PLANT.

Description of works

SUPPLY AND INSTALL ROLLER DOORS ON VARIOUS AREAS AT RAND WATER ZUIKERBOSCH

1.	No. 3 Engine Room	=	Supply & install new industrial Roller Shutter Door with open/close, hold switch, long override chain switch. 50% solid & 50% perforated slats. (H = 4.95m x W = 5.53m)
2.	No.3 Systems Sedimentation Tank	=	Supply & install 1 new industrial roller shutter door. (H = 2.63m x W = 1.42m)
3.	WA2 Wash Water Treatment Plant		Supply & install 6 new roller industrial shutter doors. (H = 2.25m x W = 1.1m) Cover brick work with 6mm plate frame (rectangular), 200mm on the interior and exterior
4.	Civil Workshop Front entrance	=	Replace 1 roller shutter door with new door with wicket gate, automated with press and hold open/close switch with override chain. (H = 2.8m x W = 3.4m)
5.	Civil Workshop Back entrance	=	Replace 1 roller shutter door with new Door with wicket gate, automate with press and hold open/close switch with override chain. (H = 2.8m x W = 2.42m)
6.	Civil Workshop diesel tank side	=	Replace 1 roller shutter door with new industrial roller shutter door. (H = 2.4m x W = 2.8m)
7.	House A7	=	Replacement of roller chromadek door. (H = 2.48m x W = 2.8m)
8.	Flat 58	=	Replacement of roller chromadek door. (H = 2.48m x W = 2.8m)

9.	Flat 61	=	Replacement of roller chromadek door (H = 2.48m x W = 2.8m)
10.	ENGINE ROOM No.2	=	Supply and Install one roller shutter door, with a wicked door and operated with a chain. (H = 3.7m x W = 3.32m)
11.	No.1 Filter House (S/W)	=	Install new industrial roller shutter door at South West. (H = 2.73m x W = 1.3m)
12.	No.1 Filter House (N/W)	=	Install new industrial roller shutter door at North West. (H = 2.73m x W = 1.3m)
13.	WA1 Lime Plant - Lime Bunker	=	Supply, install and commission 1 roller shutter door, complete with press and hold, open/close lockable switch, and long manual override chain. (H = 7.2m x W = 6.3m)
14.	Polly Dosing Plant G & H	=	Replace the broken roller shutter door slats and shaft. (H = 2.4m x W = 2.3m)
15.	WA1 Electrical Workshop	=	Automate 2 existing roller shutter doors, complete with limit Switches plus open/close switches with long override chain plus. Service and replace T-Bar on one door. (H = 4.4m x W = 4.54m)
16.	Rand Water Academy	=	Fix two Seranda burglar roller door. They are currently stuck on an open position. (H = 2.6m x W = 1.8m) and (H = 2.6m x W = 2.2m)
17.	Safety File Costs	=	Zuikerbosch Safety File Cost

Motor Specification

- ► Model : YZ-500-1P
- ► Rated load : 5000N
- ► Weight : 500KG
- ► Rated power : 500W(370W)
- ► Voltage : 220-240V
- ► Current : 3.5A

► Rated operating time : 6Min
► Frequency : 50Hz
► Working temperature : -20-40˚C

The contractor must do the following after the installation of the 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 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 serve 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.

NB: The successful supplier will be required to supply all materials and make sure of final sizes prior to ordering roller shutter doors.

The successful supplier will be required to submit a safety file and to undergo. induction before the work can commence.

The objective of the project is to service, repair, and NEW installation of roller shutter doors

1.2 Equipment

All equipment and machinery such as grinders, drilling machine, gas monitor, safety harness, scaffolding or extension ladders shall be supplied by the contractor for working at the respective heights.

1.3. Safe work plan

The contract shall supply a safety file including detailed method statements (Safe

Working Procedure) to the client before the commencement of the work. The contractor shall supply the employees with the correct personal protective equipment during the duration of the project.

Annexure C4 - Site Information

Non Compulsory Site Briefing to be held 12.10.2023 @ 09:00

Rand Water Zuikerbosch
Vischgat Road
Three Rivers East
Vereeniging
GPS Co-ordinates S26 41 520, E28 00 061

We will meet at Risk Control Parking Area, please bring along your ID/Drivers for access purposes, please wear safety shoes as we will be entering the plant. Plant access will be denied to those not wearing safety shoes