

Annexure C3.2 Scope of Work

1.1 Background

Rand Water's old dosing plant building has been repurposed to an MCC room and Operations Section, day shift tea room. The MCC room feeds the small system with electrical power which supplies the stirrer motors and poly pumps with energy. These electrical components must be protected from the rain and extreme hot weather conditions. The MMC room must be in a building with a roof that is structurally sound, designed and approved by an engineer.

Strong winds damaged 70% of the roof. The roof sheets, trusses, ceiling, and lights got damaged.

1.2 Requirements

Rand Water Zuikerbosch is looking for a contractor to repair the damages in a maximum of 3 months.

The contractor shall be responsible for supplying all the material, machinery, and the personal protective equipment to carry out the works. The cost for the P&Gs shall be included on the line items mentioned on the pricing schedule.

The drawings of the existing old dosing plant are not available on the Rand Water system; therefore, the contractor is expected to do as follows:

- Design and install the new roof (trusses, rafters, purlins, fascia between 1mm – 2mm, bracing, branderling etc.)
- Supply and install roof sheeting – chromadek - Kalahari red colour.
- Supply and install drainage – roof to slope to one side allowing rainwater drainage to go behind the building.
- Repair 3 – 5 courses of the brickwork to accommodate the new roof.
- Install a minimum of three down pipes.
- Install rhino light ceiling with 75mm cornice.
- Supply and install, lights and plugs (1.2 m fluorescent cubes) according to the required standard of lighting for MCC rooms and tearoom.
- Supply roof installation certificate from a competent person
- Supply and design the build - in drawings approved by an engineer. The drawings should include soft copies and hard copies.

Specification

All the work to comply with SANS 10142, SANS 10400, and Building Regulations.

The roofs should be designed and constructed as follows:

- Safely sustains any actions which can reasonably be expected to occur in a manner that any local damage (including cracking) or deformation do not compromise its functioning.
- Adequately anchored against wind uplift.

- Durable and does not allow the penetration of rainwater or any other surface water to its interior.
- Does not allow the accumulation of any water upon its surface.
- As part of the roof and ceiling assembly must provide adequate height in all rooms below such assembly.
- Fire resistant materials to be used that are appropriate for the MCC room and be non-combustible.
- Be capable of being affectively repaired in event of being damage, despite the aging of materials.
- Products used in roof coverings and waterproofing systems shall preserve their properties satisfactorily.
- Gutters shall be installed along the perimeter of the roof.



Figure 1: Damaged roof and ceiling



Figure 2: Damaged roof trusses and walls

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

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



BID No.: 10408676

BID Description: Design and erect old dosing plant roof

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.