

ANNEXURE C3.2 SCOPE OF WORK

1. Scope of work

Rand Water Zuikerbosch pumping station is looking for a contractor to remove the existing suspended asbestos ceiling on 3 rooms in the MCC building at Lime Plant No.2 and replace it with suspended gypsum ceiling. On all the rooms, there are fire suppression sprinklers and smoke detectors which to be re-installed at their original positions. The rooms have electrical panels and no opening windows.

The contractor will also rehabilitate the suspended ceiling at engine room 4B and 4A. The engine rooms have 24 hr running pumps and motors. There are high noise exposure levels at the engine rooms, the contractor to provide earplugs or earmuffs for its employees.

1.1 Removal of asbestos ceiling at the MCC Building

The rooms at the MCC building are 4m high and the areas are as follows:

- Room 1 = 50 m²
- Room 2 = 133 m²
- Room 3 = 133 m²

This type of work exposes or is likely to expose employees to asbestos dust during removal and handling of asbestos ceiling. Therefore, the required contractor must be registered with the Department of Labour as an Asbestos Contractor to conduct demolition work in terms of the South African Asbestos Regulations. The contractor will be responsible for the removal, handling, transporting and disposal of the asbestos. The disposal of the asbestos must at a site specifically designated for the purpose of asbestos disposal in terms of the National Environmental Management: Waste Act 2008 (Act No.59 of 2008). A disposal certificate to be submitted to the client as proof.

Environmental air monitoring to take place during the removal of the asbestos ceiling to avoid potential asbestos contamination. An asbestos clearance certificate to be given to the client to verify the asbestos fibre concentration in the air is regulated.

1.2 Installation of suspended gypsum ceiling

The contractor must supply and install suspended gypsum ceiling with a tile size of 1195 mm x 595 mm x 12 mm thick, white vinyl in colour. All strips should be galvanised steel in white colour to blend with the ceiling. The contractor must re-install all fire suppression sprinklers and smoke detectors to their original positions.

1.3 Rehabilitation of suspended ceiling at the 4A and 4B Engine rooms

The engine room elevation from the ground floor level is above 5m high. The sections that need rehabilitation are as follows:

Picture	No. of tiles	Size of tile (mm)
	4	1195 x 1785
	11	1195 x 595
	10	1195 x 595

	<p>9 15</p>	<p>600 x 600 1195 x 595</p>
<p>Total Area</p>		<p>39 m²</p>

1.4 Equipment

All equipment and machinery such as scissor lifting platform, safety harness, scaffolding shall be supplied by the contractor for working at the respective heights of MCC building and Engine rooms. It is advisable for the contractor to utilise machinery such as the scissor lifting platforms at the engine rooms because of the working space and to achieve easy movement.

1.5 Safe work plan

The contract shall supply a safety file including detailed method statements (Safe Working Procedure) to the client before he commences with the work. The contractor shall supply the employees with the correct personal protective equipment.

1.6 Pictures

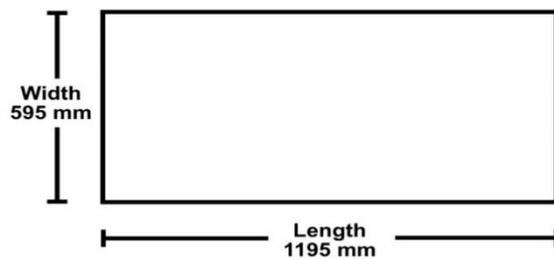
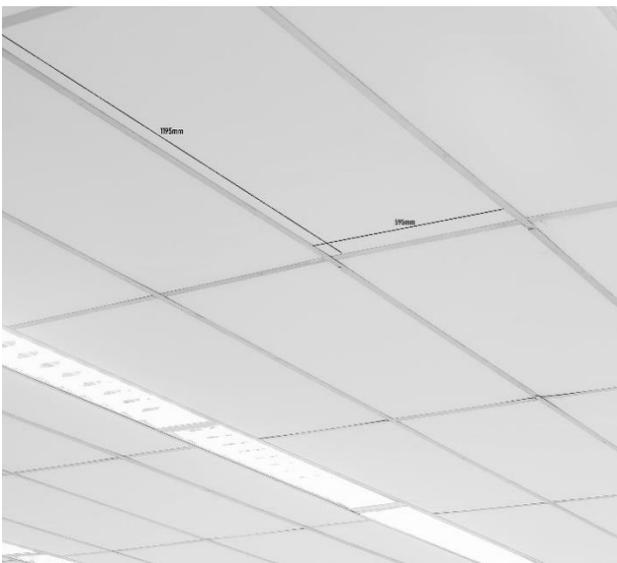


FIGURE 1: SUSPENDED GYPSUM WHITE VINYL CEILING AND TILE SIZE