

Multifabs Ltd (9450)

Nayapara, Dasimpur, Joydbper, Gazipur

(+23.989311N, 90.319679E)

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Identified Priority 1 Concerns

Low Column Safety Factors in Main Factory

A vertical fire hose reel and fire extinguisher are mounted on a white pillar in a warehouse setting. The fire hose reel is red and has a yellow and red striped warning band. A red fire extinguisher is also mounted on the pillar. The background shows a warehouse with various items and equipment.

Within the main factory, even under minimum allowable live loads, column checks yield lower than desirable safety factors.

ACCORD
on Fire and Building Safety in Bangladesh



Identified Priority 2 Concerns

(None)

Identified Priority 3 Concerns

(None)

Overall Stability System

All R.C. buildings were constructed with beam/slab arrangements. These arrangements along with brick infill walls compose the only lateral restraint system.



Lateral Restraint System

Water Ingress at Roof Level



There was no waterproofing observed at the rooftop level

There was no evidence of water infiltration at the underside of roof slabs



Roof Waterproofing System

Priority Actions

Problems Observed Summary

ITEM 1: (Priority 1) Column load run-downs for the main factory building indicate higher than desirable column stresses.

Item 1 and actions

High stress in columns of the main building.

Priority 1 (Immediate – Now)

- Remove storage loads from main factory floors
- Factory engineer to review design loads and column stresses in main factory building
- Detailed Engineering Assessment of main factory to be commenced.

Priority 2 (within 6 weeks)

- Produce and actively manage a loading plan for all floors within the factory complex.
- The Detailed Engineering Assessment is to be completed and acted upon.

Priority 3 (within 6 months)

- Implement and complete any works deemed necessary by the Detailed Engineering Assessment.