

SP Washing Ltd.

Shirichala, Mohana, Vabanipur, Sadar, Gazipur

(24.16682480835, 90.4253201805)

10 January 2024



1. Building Information

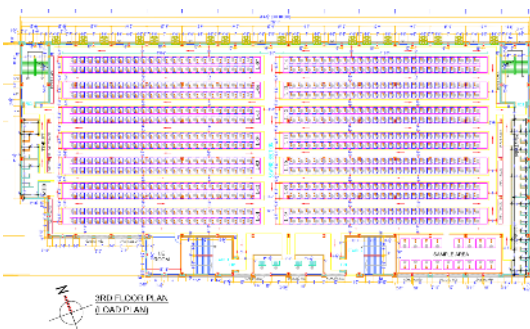
Five-storied Main Building: Five-storied prefabricated steel building.

Chemical Store Shed: Single storied steel shed.

Biological ETP: Single-storied RC structure with a roof shed.

2. Observations

Observation-1: Change in floor occupancy (Five storied Main Building).



Description: Undesignated dining and storage found on the 3rd floor. The building engineer is required to relocate the undesignated dining and storage from that area. Otherwise, revise the load plan and design report as per BNBC and submit to RSC for review.

Observation-2: Load plan not posted on several floors (Five storied Main Building).



Description: The accepted load plan from RSC was not found on several floors. The factory is required to post a load plan at each floor.

Observation-3: Crack and dampness on the brick wall surface (Five storied Main Building).



Description: Cracks and dampness were found on the brick wall surface. The building engineer is required to investigate the reason for crack and repair with a suitable method.

Observation-4: Water ponding/vegetation on roof slab (Five-storied Main Building).



Description: Water ponding/vegetation was found on the roof slab. The building engineer is required to repair the damp areas with a suitable method and improve the drainage system on the roof slab.

Observation-5: Corrosion on steel members (Five-storied Main Building).



Description: Severe corrosion was found on steel members at the toilet zone. The building engineer is required to provide rust-proof paint on steel members.

Observation-6: Diagonal crack on the brick wall surface (Chemical Store Shed).



Description: Diagonal crack on the brick wall surface. The building engineer is required to investigate the reason for the crack including foundation settlement and repair as per the investigation report.

Observation-7: Lack of lateral stability (Biological ETP).



Description: Compression member/bracing system is not provided for the shed. The building engineer is required to check the lateral stability of the structure and propose a remediation plan.

3. Action Plan

Observation	Action Plan	Timeline
Sample & Office Building		
Change in floor occupancy (Five storied Main Building).	The building engineer is required to relocate the undesignated dining and storage from that area. Otherwise revise the load plan and design report as per BNBC and submit to RSC for review.	within 6 weeks
Change in floor occupancy (Five storied Main Building).	Implement remediation work if required.	within 6 months
Load plan not posted on several floors (Five storied Main Building).	The factory is required to post a load plan on each floor.	within 6 weeks
Crack and dampness on brick wall surface (Five-storied Main Building).	The building engineer is required to investigate the reason for the crack and repair it with a suitable method.	within 6 weeks
Water ponding/vegetation on roof slab (Five-storied Main Building).	The building engineer is required to repair the damp areas with a suitable method and improve the drainage system on the roof slab.	within 6 weeks
Corrosion on steel members (Five-storied Main Building).	The building engineer is required to provide rust-proof paint on steel members.	within 6 weeks
Diagonal crack on brick wall surface (Chemical Store Shed).	The building engineer is required to investigate the reason for the crack including foundation settlement and repair as per the investigation report.	within 6 weeks
Lack of lateral stability (Biological ETP).	The building engineer is required to check the lateral stability of the structure and propose a remediation plan.	within 6 weeks
Lack of lateral stability (Biological ETP).	Implement remediation work if required.	within 6 months