



Mahmuda Attires Ltd.

Balitha, Saha-belishwar, Dhamrai, Dhaka, Bangladesh

(23.9177321 N, 90.112508 E)

5th July 2017





Observation



Dampness due to water ingress on movement joint and exterior beam



Dampness was found on beam slab joint on exterior side



Excessive dampness was found on movement joint of toilet area(6th floor)

Dampness was found in several locations along with the movement joint and exterior side. Factory engineer is required to check the affected beam and take proper remediation for preventing further dampness.

Observation: Dampness due to water ingress on movement joint and exterior beam



Water clogging on roof



Water clogging was observed on roof. Factory is required to install the proper drainage system for preventing water clogging.



Lateral stability of the roof top solar panel



Roof top Solar panel



Apparently lack of lateral stability system observed on truss supported Solar panel.

No As built drawing was found during inspection. Factory engineer is required to update the as-built drawing and check the stability against lateral load.

Observation: Lateral stability of the roof top solar panel



Edge protection was absent around staircase



No edge protection was observed on top three floors staircase. Factory engineer is required to install the edge protection for preventing the falling hazard.

Observation: Edge protection was absent on staircase



Problems Observed

Factory Building:

Item 1: Dampness due to water ingress on movement joint and exterior beam

Item 2: Water clogging on roof

Item 3: Lateral stability of the roof top solar panel

Item 4: Edge protection was absent on staircase

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Dampness due to water ingress on movement joint and exterior beam	Factory engineer is required to investigation the cause of dampness and intensity of concrete damage of beams.	6-weeks
2	Dampness due to water ingress on movement joint and exterior beam	Factory engineer is required to provide proper remedial method.	6-weeks
3	Dampness due to water ingress on movement joint and exterior beam	Implement the repair works suggested by the factory engineer	6-months
4	Water clogging on roof	Factory is required to install the proper drainage system for preventing water clogging.	6-weeks
5	Lateral stability of the roof top solar panel	Factory engineer to survey the roof top Solar panel structure and update the as-built drawing of building.	6-weeks
6	Lateral stability of the roof top solar panel	Factory engineer to check the stability of the Solar panel structure against lateral loads.	6-weeks
7	Lateral stability of the roof top solar panel	Carry out remedial works resulting from engineering assessment if necessary.	6-months
8	Edge protection was absent on staircase	Factory is required to install proper edge protection on all stair case where it needs.	Immediate - Now