

Hamza Textiles Ltd.

Nayapara, Kashimpur, Gazipur-1346

(23.986699, 90.321101)

29 January 2025



1. Building Information

Building 1: Dyeing Production Shed (Block A): single-storied (G+M) steel structure with a mezzanine.

Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3): Part 1 is a two-storied (G+1) RC structure, part 2 is a four-storied (G+3) RC structure and part 3 is a four-storied (G+3) steel structure.

Building-3: Washing Production Building with Shed (Part-1 & 2): Part-1 is a single-storied with a mezzanine (G+M) steel structure and Part-2 is a two-storied (G+1) combination of RC and steel structure.

Building-4: Boiler & Compressor Shed (Hamza-1) (Part-1 & 2): Part 1 is a single-storied (G) steel structure and part 2 is a three-storied (G+2) RC structure.

Building-5: Generator & Power Control Building (Hamza-1): Single-storied RC building.

Building-6: HTL-2 Production Building: Partially two-storied steel structure with mezzanine and a basement.

Building-7: HTL- 2 Utility Building: Partially single-storied combination of steel & RC structure with a basement & mezzanine.

Building-8: WTP-1: Single-storied RC structure with a partial basement.

Building-9: ETP-1: Single-storied RC structure.

Building-10: ETP Monitoring Building-1: Two-storied RC building.

Building-11: Acid Wash Shed: Single storied with a steel roof (rafter resting on the brick pier).

Building-12: Fire Pump Room: Single-story RC basement structure.

Building-13: EGB Shed-1: Two-story steel structure.

2. Observations

Observation-1: DEA report needs to be reviewed against lateral loading. (Building-1: Dyeing Production Shed (Block A))



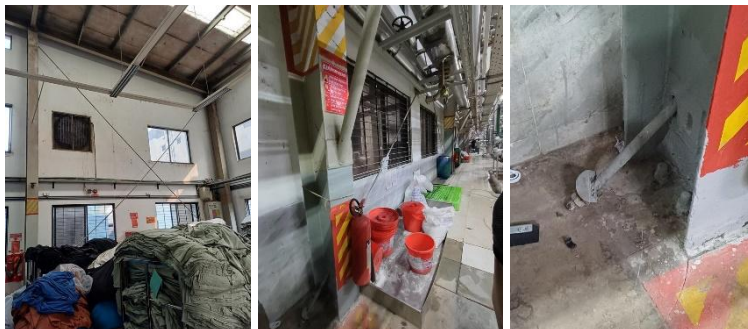
Description: The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.

Observation-2: Corrosion on steel members. (Building-1: Dyeing Production Shed (Block A))



Description: Corrosion was observed on the steel members in Building 1. The building engineer is required to remove the corrosion with a suitable method and provide an anti-corrosive coating.

Observation-3: Loose & cut-off bracing. (Building-1: Dyeing Production Shed (Block A))



Description: Loose and cut off braces were observed in the shed. The building engineer is required to identify the locations, tighten the braces and reinstall the cut-off braces.

Observation-4: DEA report needs to be reviewed against lateral loading. (Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3))



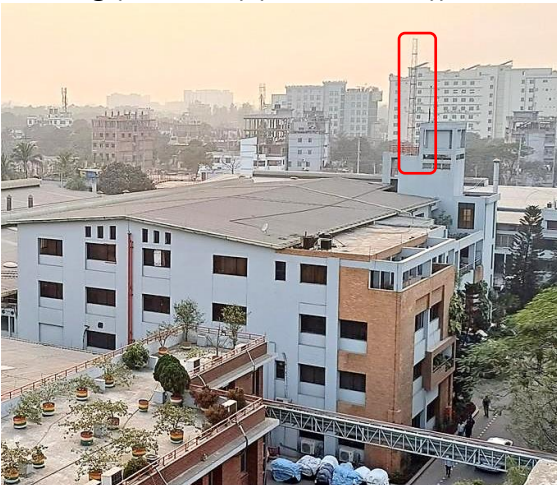
Description: The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.

Observation-5: Column damaged due to trolley impact. (Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3))



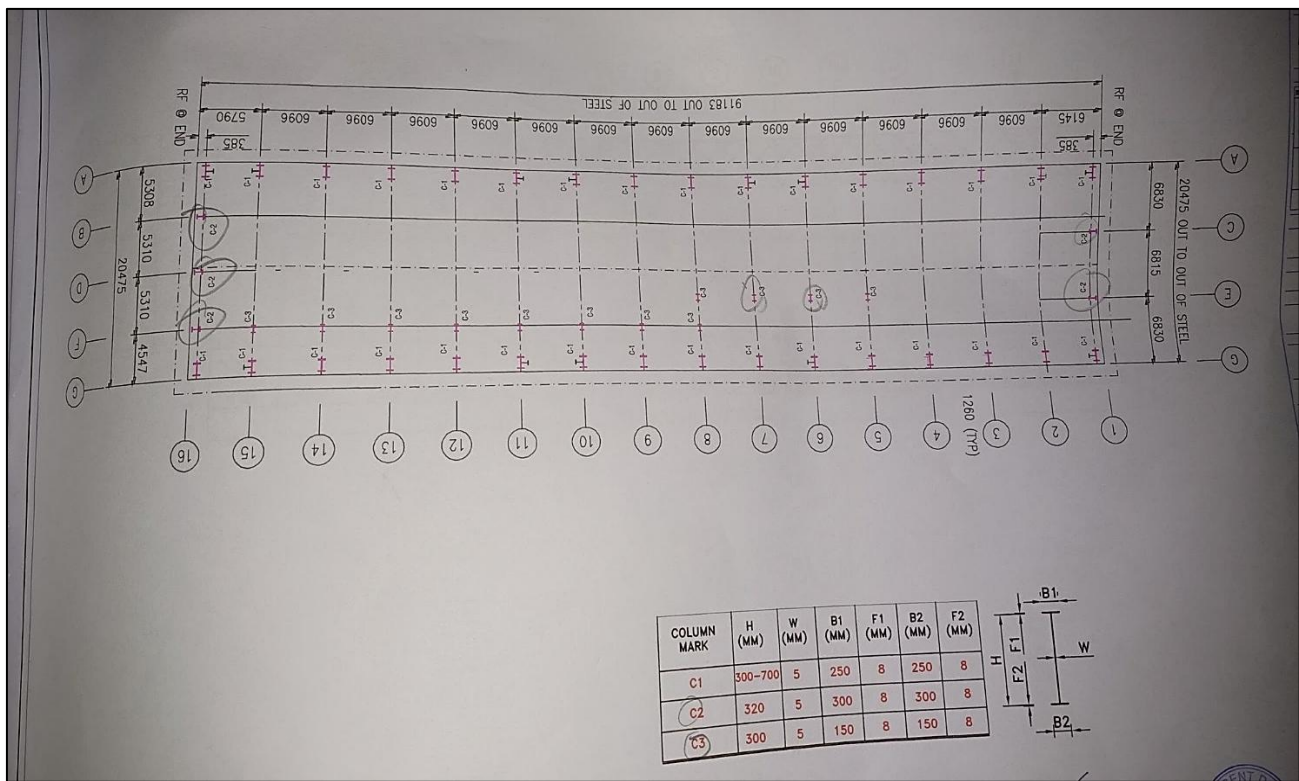
Description: Columns are damaged due to the trolley impact on different floor levels. The building engineer is required to repair the damage to the columns and provide a column guard to prevent the trolley impact.

Observation-6: Undocumented telecom tower on the roof of Part 2. (Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3))



Description: There was a long telecom tower on the stair roof of the building. The building engineer is required to prepare as-built drawings with joint details, check the adequacy of the tower & roof slab, and incorporate all things in the design report.

Observation-7: Discrepancy between the provided drawing and site condition for Part-1. (Building 3)



Mezzanine steel column C3 found tapered instead of regular straight shape



Steel column C2 size found F-255 X W-365 instead of F-300 X W-320



End grid rafter was not rested on column C2, no details found. Also, reduced section size was observed at the top level.

Description: During the inspection, discrepancies were observed between the provided drawing and actual site condition for Part-1. The building engineer is required to update the as-built drawing reflecting actual site condition.

Observation-8: Incomplete as-built drawing for Part-2. (Building 3)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified. The building engineer is required to prepare the hard copy of the as-built drawings on the factory site, which will be verified in the further inspection.

Observation-9: Design report needs to be reviewed against lateral loading. (Building 3)



Description: The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.

Observation-10: Corrosion on steel member. (Building 3)



Description: During the inspection, corrosion was observed on the steel column. The factory is required to repair/replace the corroded member and apply anti-corrosive coating.

Observation-11: Settlement of floor and deflected slab on 1st floor. (Building 3)



Description: Settlement of ground and 1st floor was found on the marked location. The building engineer is required to investigate the geotechnical capacity of the foundation, allowable settlement limit, deflection of floor slabs and structural adequacies. Submit the investigation report to the RSC for review and carry out necessary remedial works as per the outcome of the settlement investigation report.

Observation-12: DEA report needs to be reviewed against lateral loading. (Building-4: Boiler & Compressor Shed (Hamza-1) (Part-1 & 2))



Description: The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.

Observation-13: Incomplete as-built drawing. (Building-4: Boiler & Compressor Shed (Hamza-1) (Part-1 & 2))



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified.

The factory is required to prepare the hard copy of the as-built drawings and keep them on the factory site, which will be verified in further inspection.

Observation-14: Incomplete as-built drawing. (Building 5)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified.

The factory is required to prepare the hard copy of the as-built drawings on the factory site, which will be verified in the further inspection.

Observation-15: Stagnant water on the roof. (Building 5)



Description: During the inspection, stagnant water was observed beside the cooling tower areas. The factory is required to remove all stagnant water and improve the drainage system.

Observation-16: Possible falling hazard from roof. (Building 5)



Description: During the inspection, it was noted that the roof peripheral lacked barriers at its edges, creating a potential falling hazard. The factory is required to install appropriate safety barriers/parapet to mitigate the risk of falls and ensure compliance with safety standards.

Observation-17: Incomplete as-built drawing. (Building 6)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified. The factory is required to prepare the hard copy of the as-built drawings on the factory site, which will be verified in the further inspection.

Observation-18: Design report needs to be reviewed against lateral loading. (Building 6)



Description: The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.

Observation-19: Possible falling hazard in the load-unload zone (Building 6).



Description: During the inspection, it was noted that the elevated loading-unloading platform lacked railings or barriers at its edges, creating a potential falling hazard. The factory is required to install appropriate safety barriers or railings to mitigate the risk of falls and ensure compliance with safety standards.

Observation-20: Settlement of ground floor and crack on brick wall. (Building 6)



Description: Settlement of the ground floor observed and cracks on the brick wall were found. The building engineer is required to investigate the onsite condition, check the settlement limit, and prepare an investigation report along with the design report. Submit design documents with necessary remedial actions to the RSC for review.

Observation-21: Incomplete as-built drawing. (Building 7)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified. The factory is required to prepare the hard copy of the as-built drawings on the factory site, which will be verified in the further inspection.

Observation-22: Design report needs to be reviewed against lateral loading. (Building 7)



Description: The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.

Observation-23: Stagnant water on the roof. (Building 7)



Description: During the inspection, stagnant water was observed beside the cooling tower areas. The factory is required to remove all stagnant water and improve the drainage system.

Observation-24: Hairline crack on masonry wall (Building 7).



Description: During the inspection, hairline cracks were observed on the brick wall. The factory is required to repair the masonry wall cracks as per the recommendation of the building engineer. Also, check the possibility of settlement in the design report.

Observation-25: Incomplete as-built drawing. (Building-8: WTP Building- 1)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified.

The factory is required to prepare the hard copy of the as-built drawings and keep them on the factory site, which will be verified in further inspection.

Observation-26: Lack of lateral bracing and improper joint for drum store sheds adjacent to ETP. (Building-9: ETP -1)



Description: Lateral stability system, including bracing, is absent for drum store sheds. Also, connections are not proper and the steel members are corroded.

The building engineer is required to provide a bracing system, repair the connections and apply anti-corrosive coating on steel members.

Observation-27: DEA report needs to be reviewed against lateral loading. (Building-10: ETP Monitoring Building-1)



Description: The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.

Observation-28: Incomplete as-built drawing. (Building-10: ETP Monitoring Building-1)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified.

The factory is required to prepare the hard copy of the as-built drawings and keep them on the factory site, which will be verified in further inspection.

Observation-29: Dampness on brick wall. (Building-10: ETP Monitoring Building-1)



Description: Dampness was observed on the brick wall of the ground floor. Building engineer to seal the source of water and repair the dampness with a suitable method.

Observation-30: Lack of design documents. (Building-11: Acid Wash Shed)



Description: Design documents were not available for Building-11: Acid Wash Shed. The building engineer is required to prepare the design documents, including a design report, and as-built drawings as per 1.9.1 BNBC (Part-6).

Observation-31: Incomplete as-built drawing. (Building 12)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified.

The factory is required to prepare the hard copy of the as-built drawings on the factory site, which will be verified in the further inspection.

Observation-32: Incomplete as-built drawing. (Building 13)



Description: During inspection, a hard copy of the structural drawing was not found on-site. Hence the structural drawing was not verified. The factory is required to prepare the hard copy of the as-built drawings on the factory site, which will be verified in the further inspection.

Observation-33: Design report needs to be reviewed against lateral loading. (Building 13)



Description: The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.

3. Action Plan:

Item No	Observation	Action Plan	Timeline
1.	DEA report needs to be reviewed against lateral loading. (Building-1: Dyeing Production Shed (Block A))	The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.	within 6 weeks
2.		Carry out remedial work if required.	within 6 months
3.	Corrosion on steel members. (Building-1: Dyeing Production Shed (Block A))	The building engineer is required to remove the corrosion with a suitable method and provide an anti-corrosive coating.	within 6 weeks
4.	Loose bracing and cut-off bracing. (Building-1: Dyeing Production Shed (Block A))	The building engineer is required to identify the locations, tighten the braces and reinstall the cut-off braces.	within 6 weeks
5.	DEA report needs to be reviewed against lateral loading. (Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3))	The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.	within 6 weeks
6.		Carry out remedial work if required.	within 6 months
7.	Column damaged due to trolley impact. (Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3))	The building engineer is required to repair the damage to the columns and provide a column guard to prevent the trolley impact.	within 6 weeks
8.	Undocumented telecom tower on the roof of Part 2. (Building-2: Four Storied Steel Building (Hamza-1) (Part-1, 2 & 3))	The building engineer is required to prepare as-built drawings with joint details, check the adequacy of the tower & roof slab and incorporate all things in the design report.	within 6 weeks
9.		Carry out remedial works if required.	within 6 months
10.	Discrepancy between the provided drawing and site condition for Part-1. (Building 3)	The building engineer is required to update the as-built drawing reflecting actual site condition.	within 6 weeks
11.	Incomplete as-built drawing for Part-2. (Building 3)	The factory is required to prepare a hard copy of the as-built drawings on the factory site, which will be verified in further inspection.	within 6 weeks

12.	Design report needs to be reviewed against lateral loading. (Building 3)	The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
13.		Carry out remedial work if required.	within 6 months
14.	Corrosion on steel member. (Building 3)	The factory is required to repair/replace the corroded member and apply anti-corrosive coating.	within 6 weeks
15.	Settlement of ground floor and deflected 1 st floor. (Building 3)	The building engineer is required to investigate the geotechnical capacity of the foundation, allowable settlement limit, deflection of floor slabs and structural adequacies. Submit the investigation report to the RSC for review.	within 6 weeks
16.		Carry out necessary remedial works as per the outcome of the settlement investigation report.	within 6 months
17.	DEA report needs to be reviewed against lateral loading. (Building-4: Boiler & Compressor Shed (Hamza-1) (Part-1 & 2))	The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.	within 6 weeks
18.		Carry out remedial work if required.	within 6 months
19.	Incomplete as-built drawing. (Building-4: Boiler & Compressor Shed (Hamza-1) (Part-1 & 2))	The factory is required to prepare the hard copy of the as-built drawings and keep them on the factory site, which will be verified in further inspection.	within 6 weeks
20.	Incomplete as-built drawing. (Building 5)	The factory is required to prepare a hard copy of the as-built drawings on the factory site, which will be verified in further inspection.	within 6 weeks
21.	Stagnant water on the roof. (Building 5)	The factory is required to remove all stagnant water and improve the drainage system.	within 6 months
22.	Possible falling hazard from roof. (Building 5)	The factory is required to install appropriate safety barriers/parapet to mitigate the risk of falls and ensure compliance with safety standards.	within 6 weeks
23.	Incomplete as-built drawing. (Building 6)	The factory is required to prepare a hard copy of the as-built drawings on the factory site, which will be verified in further inspection.	within 6 weeks

24.	Design report needs to be reviewed against lateral loading. (Building 6)	The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
25.		Carry out remedial work if required.	within 6 months
26.	Possible falling hazard in the load-unload zone. (Building 6)	The factory is required to install appropriate safety barriers or railings to mitigate the risk of falls and ensure compliance with safety standards.	within 6 weeks
27.	Settlement of ground floor and crack on brick wall. (Building 6)	The building engineer is required to investigate the onsite condition, check the settlement limit, and prepare an investigation report along with design report. Submit design documents with necessary remedial actions to the RSC for review.	within 6 weeks
28.		Repair the brick wall and deflected floor as per outcome of investigation report.	within 6 months
29.	Incomplete as-built drawing. (Building 7)	The factory is required to prepare a hard copy of the as-built drawings on factory site which will be verified in further inspection.	within 6 weeks
30.	Design report needs to be reviewed against lateral loading. (Building 7)	The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
31.		Carry out remedial work if required.	within 6 months
32.	Stagnant water on the roof. (Building 7)	The factory is required to Remove all stagnant water and improve the drainage system.	within 6 months
33.	Hairline crack on masonry wall. (Building 7)	The factory is required to repair the masonry wall cracks as per the recommendation of the building engineer. Also, check the possibility of settlement in the design report.	within 6 weeks
34.	Incomplete as-built drawing. (Building-8: WTP Building- 1)	The factory is required to prepare the hard copy of the as-built drawings and keep them on the factory site which will be verified in further inspection.	within 6 weeks
35.	Lack of lateral bracing and improper joint for drum store sheds adjacent to ETP. (Building-9: ETP -1)	The building engineer is required to provide bracing system & connections and include adequacy check in the safety check report.	within 6 weeks
36.		Carry out remedial works and apply anti-corrosive coating on steel members.	within 6 months

37.	DEA report needs to be reviewed against lateral loading. (Building-10: ETP Monitoring Building-1)	The prepared DEA report needs to be reviewed against lateral forces. Submit the DEA report to the RSC for detailed review.	within 6 weeks
38.		Carry out remedial work if required.	within 6 months
39.	Incomplete as-built drawing. (Building-10: ETP Monitoring Building-1)	The factory is required to prepare the hard copy of the as-built drawings and keep them on the factory site which will be verified in further inspection.	within 6 weeks
40.	Dampness on brick wall. (Building-10: ETP Monitoring Building-1)	Building engineer to seal the source of water and repair the dampness with a suitable method.	within 6 weeks
41.	Lack of design documents. (Building-11: Acid Wash Shed)	The building engineer is required to prepare design documents (including design reports, load plans, and material test reports) in compliance with section 1.9.1 (part-6, BNBC) and submit them to RSC.	within 6 weeks
42.		Implement remediation work if required.	within 6 months
43.	Incomplete as-built drawing. (Building 12)	The factory is required to prepare a hard copy of the as-built drawings on factory site which will be verified in further inspection.	within 6 weeks
44.	Incomplete as-built drawing. (Building 13)	The factory is required to prepare a hard copy of the as-built drawings on factory site which will be verified in further inspection.	within 6 weeks
45.	Design report needs to be reviewed against lateral loading. (Building 13)	The design report prepared needs to be reviewed against lateral forces. Submit the design report to the RSC for detailed review.	within 6 weeks
46.		Carry out remedial work if required.	within 6 months