

HAMS GARMENTS LTD. (EXTENSION 2)

South Vangnahati, Chapilapara, Sreepur, Gazipur
(24.194313, 90.452568)

16 February 2026

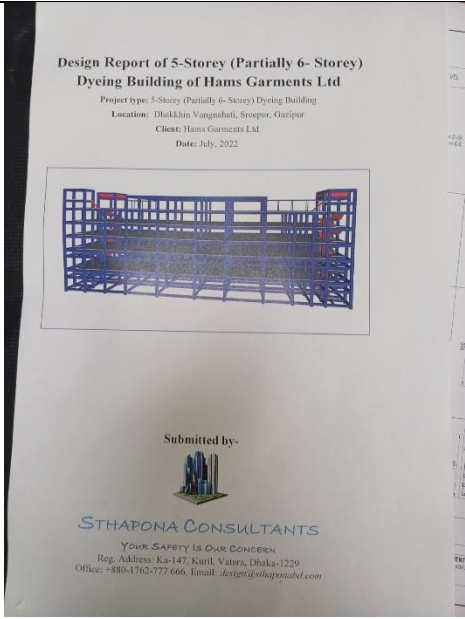


1. Building Information

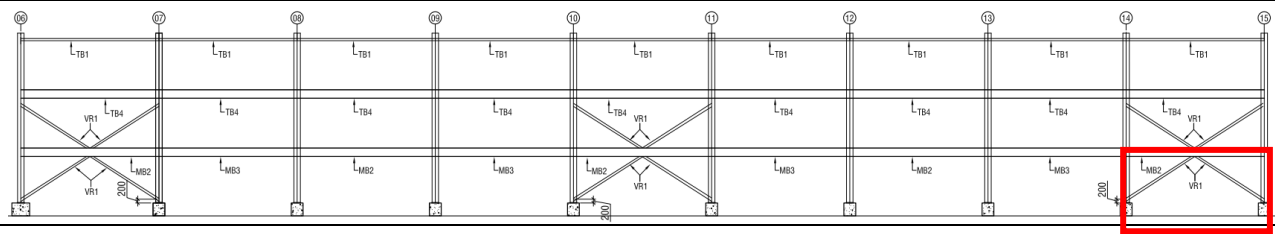
1. **New RCC Dyeing Building:** 5-storied RC building
2. **New Dyeing Shed with Mezzanine:** Single storied prefabricated steel shed with one mezzanine floor
3. **Dyeing Shed Extension:** Single storied prefabricated steel shed
4. **WTP & Workshop Shed:** Single storied prefabricated steel shed with underground pump room
5. **Dining Shed:** Single storied RC building with steel roof
6. **New ETP Building:** Multistoried RC Building
7. **Old ETP:** RC Structure with water retaining walls
8. **Empty Drum Store**
9. **Security Barrack**
10. **Security post-1**
11. **Temporary Generator Shed**

2. Observation:

Observation-1: Design report required to be reviewed by RSC against lateral loading. New RCC Dyeing Building)

	
Description: A set of design reports was available for the RCC Main Factory Building. Design report need to be reviewed against lateral loading.	

Observation-2: Incomplete lateral stability. (New Dyeing Shed)



Wall bracing is missing in grid D

Description: Stability system is not complete, missing bracing found on site. Building engineer is required to check the lateral stability of the shed.

Observation-3: Undocumented extension (Dyeing shed extension)

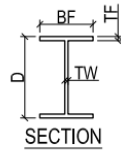


Description: Undocumented extension found in north side of Dyeing shed extension. Update all the design documents considering the extension and submit to RSC for review.

Observation-4: Mismatch found in as built drawing (WTP & Workshop Shed)

SCHEDULE OF STEEL COLUMN

NAME	D (mm)	TW (mm)	BF (mm)	TF (mm)
SC1	275~350	6 & 12	175	10 & 20
SC2	250	6 & 12	175	12 & 24
SC3	275~500	8 & 16	175	12 & 24

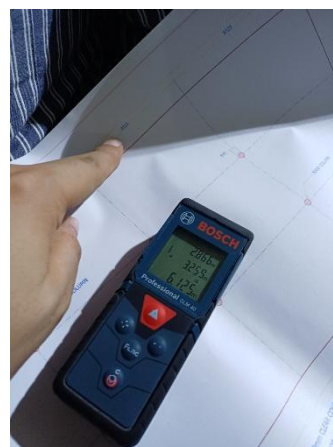


SC3 steel column web found 260 instead of 275

Description: Building engineer is required to survey the whole structure and prepare a full set of accurate as-built drawings and submit to RSC for review. Also, update the design report considering the updated as-built drawing and submit to RSC for review.

Observation-5: Mismatch found in as built drawing (New ETP, Old ETP)

Horizontal member not found in the as-built condition in the New ETP steel stair



Grid spacing mismatch in Old ETP control rooms

Description: Building engineer is required to survey the whole structure and prepare a full set of accurate as-built drawings.

Observation-6: Lack of design documents (Empty Drum Store, Temporary Generator Shed, Security Barrack)



Description: No design document was found for these three structures. Building engineer is required to prepare as-built drawings and EA report for these structures.

Observation-8: Corrosion found on steel members of Dining Shed & Temporary Generator Shed



Corrosion on the rafter of the Dining Shed



Corrosion on the truss & purlin of the Temporary Generator shed

Description: Building engineer is required to remove the corrosion and apply anti-corrosive coating on affected steel members.

Observation-9: Falling hazard found in the New ETP Building



No protection at the slab edge

Description: Building engineer is required to provide adequate protection at the slab edge to prevent falling.

Observation-10: Steel column found susceptible to vehicle impact (Temporary Generator Shed)



Description: Building engineer is required to provide a column guard to protect the column from vehicle impact.

Observation-11: Non-structural elements found unbraced/not anchored. (New RCC Dyeing Building)



Description: Storage rack found unbraced or not anchored. Factory is required to brace/anchor all non-structural elements.

Observation-9: Non-structural crack found on brick wall (Dining Shed)



Description: Factory engineer is required to repair the cracks with adequate methodology.

3. Action Plan:

Item No.	Observation	Action Plan	Timeline
1.	Design report required to be reviewed by RSC against lateral loading. New RCC Dyeing Building)	Prepared design report to be checked against lateral loads following BNBC 2020 by RSC.	within 6 weeks
2.		Carry out the suggested remedial works (if any).	within 6 months
3.	Incomplete lateral stability. (New Dyeing Shed)	As part of the Engineering Assessment (EA) Building engineer is required to check the lateral stability of the building	within 6 weeks
4.		Carry out the suggested remedial works (if any).	within 6 months
5.	Undocumented extension (Dyeing shed extension)	Building engineer is required to update all the design documents considering the extension and submit to RSC for review.	within 6 weeks
6.		Carry out the suggested remedial works (if any).	within 6 months
7.	Mismatch found in as built drawing (WTP & Workshop Shed)	Building engineer is required to survey the whole structure and prepare a full set of accurate as-built drawings and submit to RSC for review.	within 6 weeks
8.		Building engineer is required to update the design report considering the updated as-built drawing and submit to RSC for review.	within 6 weeks
9.		Carry out the suggested remedial works (if any).	within 6 months
10.	Mismatch in as-built drawing (New ETP, Old ETP)	Building engineer is required to survey the whole structure and prepare a full set of accurate as-built drawings.	within 6 weeks
11.	Lack of design documents (Empty Drum Store, Temporary Generator Shed, Security Barrack)	Building engineer is required to prepare as-built drawing and EA report for these structures.	within 6 weeks
12.	Corrosion found on steel members of Dining Shed & Temporary Generator Shed	Building engineer is required to remove the corrosion and apply anti corrosive coating on affected steel members.	within 6 weeks

13.	Falling hazard (New ETP Building)	Building engineer is required to provide adequate protection at slab edge to prevent falling.	within 6 weeks
14.	Non-structural elements found unbraced/not anchored. (New RCC Dyeing Building)	Storage rack found unbraced or not anchored. Factory is required to brace/anchor all non-structural elements.	within 6 weeks
15.	Non-structural crack found on brick wall (Dining Shed)	Factory engineer is required to repair the cracks with adequate methodology.	within 6 weeks

Survey Limitations and Assumptions

This report is for the private and confidential use of RSC for whom it was prepared together with their professional advisors as appropriate. It should not be reproduced as a whole or in part or relied upon by third parties for any use without the express written permission of RSC.

This report can be used in discussion with the supplier or factory owner as a means to rectify or address any observations made. The report is not comprehensive and is limited to what could be observed during a visual inspection of the building.

This Report is not intended to be treated as a generalized inspection and does not cover the deterioration of structural members through dampness, fungal or insect attack, nor does it deal with problems and defects of a non-structural nature. Other non-structural aspects of the building such as fire safety have not been assessed in this survey.

Except as otherwise noted, drains and other services were not viewed or tested during our inspection and are therefore similarly excluded from this Report. We have not inspected any parts of the structure which are covered, unexposed or inaccessible and we are therefore unable to report that any such part of the property is free from defect.

External inspection of the façade walls has generally been carried out from ground level only by visual sighting. No opening-up works were carried out (except as noted) and we rely on the Architect's and Engineer's drawings provided for us for our views on concealed parts of the structure and in particular foundations. The strengths of materials and components are untested, and we recommend that the factory owners' Building Engineer carry out in situ testing over and above those suggested to satisfy themselves with the material strengths and component details.

Recommendations, where given, are to provide indicative advice only, are not exhaustive, relate solely to identifying key and obvious structural defects as identified in this presentation, and do not take the form of or constitute a specification for works. We take no responsibility for the construction. This report does not interfere with the factory owner's Building Engineers responsibility for the structural performance of this building, The Building Engineer remains fully responsible for the structural adequacy of the building.

This report does not comment in detail on the future seismic performance of the building and only highlights the fact that the building may experience significant damage or collapse in a seismic event along with many others in the Dhaka region.

The observations in this report are based on the Engineering Judgement of the lead surveyor/engineer at the time of the survey. We assume in making these observations that no covering up of faults defects, filling or plastering over cracking or significant repair work has been carried out by the building owner. Any future alteration or additional work by the building owner will void this