

Softex Sweaters (9329)

DEPZ (Extension area), Ganakbari, Savar.

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04.06.2014



Identified Priority 1 Concerns

Loading condition for main building

Priority 1 Concern



In 2nd floor of main building we observed uncontrolled loading. Sacks of fabrics and finished cartons were piled up on this floor. We also saw fabrics waiting for further processing kept in some localised area and also on storage rack. We calculated loading for this floor as 3kpa. No loading plan was made available for us.

Under minimum allowable live loading, steel column load run-downs yield lower than desirable safety factors.

Priority 1 Concern (Continued)



Identified Priority 2 Concerns

No fireproofing material used on steel member

Priority 2 Concern



No fireproofing material was noted on structural steel elements of main building and utility building as suggested by BNBC 2006.

Overall Stability System



The factory is made of steel frame with lateral bracing. We were provided details calculation of steel structure which shows stability is well achieved by the lateral and vertical bracing.



Priority Actions

Problems Observed Summary

- ITEM 1: Priority 1 :** Heavy loading on the building. Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5)
- ITEM 2: Priority 2 :** No fireproofing material used on steel member

Item No.	Observation	Recommended Action Plan	Recommended Timeline
1	Priority 1 - Heavy loading on the building. Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5)	Remove excess loading above 3 kpa from all floor Factory engineer to review design, loads and column stresses	Immediate – Now
2	Priority 1 - Heavy loading on the building. Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5)	Conduct a detailed engineering assessment	6-weeks
3	Priority 1 - Heavy loading on the building. Based upon minimum allowable live loads the column load run-down indicates low safety factors (1.25 to 1.5)	Carry out any recommendations put forth by the detailed engineering assessment	6-months
4	Priority 2 - No fireproofing material used on steel member	Fireproofing material for structural steel element is recommended as suggested in BNBC Codes.	6-weeks
5	Priority 2 - No fireproofing material used on steel member	Maintain standard of quality control and protection of the fire protection.	6-months