

FIRE SAFETY INSPECTION REPORT

TAQWA FABRICS

KEWA

BOHERCHALA

GILA BERAEEED

SREEPUR 1740

OTHER FACTORIES VISITED



ACCORD
on Fire and Building Safety in Bangladesh

April 26, 2014

SUMMARY

Taqwa Fabrics was surveyed for fire safety on 4/26/2014 by Hughes Associates, Inc. This summary identifies the major deficiencies that were identified during the inspection.

The purpose of this survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the Accord. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

Table 1 summarizes the major fire safety issues identified during the inspection. Recommendations have been provided to address each issue.

An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the Accord for approval.

Table 1. Findings And Recommendations

No.	Category	Finding	Recommendation	Remediation Timeframe
F-1	Fire Rated Construction	Storage rooms and process areas throughout the building used for combustible storage are not separated by fire-rated construction.	Provide dedicated storage rooms separated by minimum 1-hr fire-rated construction. Where separate storage rooms are not feasible, provide defined storage areas and limit the storage arrangement as follows: - Maximum height of 2.4m and maximum area of 23m² - If sprinkler protected: maximum height of 3.66m and maximum area of 93m² Separate areas of unenclosed combustible storage by a minimum clear distance of 3m.	Within 3 months



F-2	Fire Rated Construction	The exit stairs are not separated from work areas on each floor by fire-rated construction.	Provide minimum 1.5-hr fire rated doors and seal all unprotected openings to separate the exit stairs from work areas and other building spaces on all floor levels. Ensure that the fire doors are self-closing and positive latching and that they are provided with fire exit (panic) hardware where serving production floors.	Within 3 months
			If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.	



F-3	Fire Rated Construction	The secondary boiler room is not separated by fire-rated construction.	Separate the secondary boiler room by a minimum 1-hr fire-rated construction. Seal and/or protected all openings to maintain the required fire separations	Within 3 months
-----	-------------------------	--	--	-----------------



F-4	Egress	Egress doors and gates with locking features are provided throughout the stairwells.	Remove locking features from all egress doors / gates. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Immediate
-----	--------	--	--	-----------



F-5	Egress	Storage was located in the SE exit stair.	Remove all storage from exit stairs and egress paths.	Immediate
-----	--------	---	---	-----------



F-6	Egress	Exit capacity is not adequate for the 550 occupant load of floor 3. Stair capacity is 511 occupants.	Reduce occupant load to not more than available exit capacity immediately. In the future, if the greater occupant load is desired, provide additional exits.	Immediate
F-7	Egress	Sliding doors are provided at exit stairs.	Replace all sliding doors along the means of egress with side-hinged, swinging egress doors. If locks are required for security reasons, utilize special door locking features complying with NFPA 101.	Within 1 month



F-8	Egress	The width of egress aisles is less than 36-in. on floor 5.	Provide minimum aisle widths of 36-in.	Within 3 months
-----	--------	--	--	-----------------



F-9	Egress	Exit door does not swing in the direction of egress travel on the East side of the ground floor of Building 1.	Modify the egress door to swing in the direction of egress travel	Within 3 months
-----	--------	--	---	-----------------



F-10	Fire Protection	The fire alarm system is antiquated, not a listed system, and does not provide alarm and notification features consistent with acceptable standards.	Replace the fire alarm system with a new, listed addressable fire alarm system in accordance with NFPA 72.	Design within 4 months, install within 9 months
------	-----------------	--	--	---



F-11	Fire Protection	Inspection, testing, and maintenance for the fire alarm system were not in accordance with NFPA 72.	Inspect, test and maintain the fire alarm system, and keep written records on-site, in accordance with NFPA 72.	Within 3 months
------	-----------------	---	---	-----------------



F-12	Fire Protection	Smoke detectors are not installed in Boiler room or dyeing shed	Install smoke detectors in all areas of the factory.	Within 6 months
------	-----------------	---	--	-----------------



F-13	Fire Protection	The building is equipped with single-station smoke alarms. Smoke alarm activation sounds only a local alarm and does not provide automatic fire alarm notification of occupants.	Remove single-station smoke alarms. Provide automatic smoke detection throughout the building in accordance with NFPA 72.	Within 6 months
------	-----------------	--	---	-----------------



F-14	Egress Lighting	Exit signage was not illuminated in multiple places throughout the factory.	Regularly inspect all exit signage and replace/install lights as needed to illuminate signs.	Within 3 months
------	-----------------	---	--	-----------------

