INITIAL FIRE ASSESSMENT REPORT (FAR)

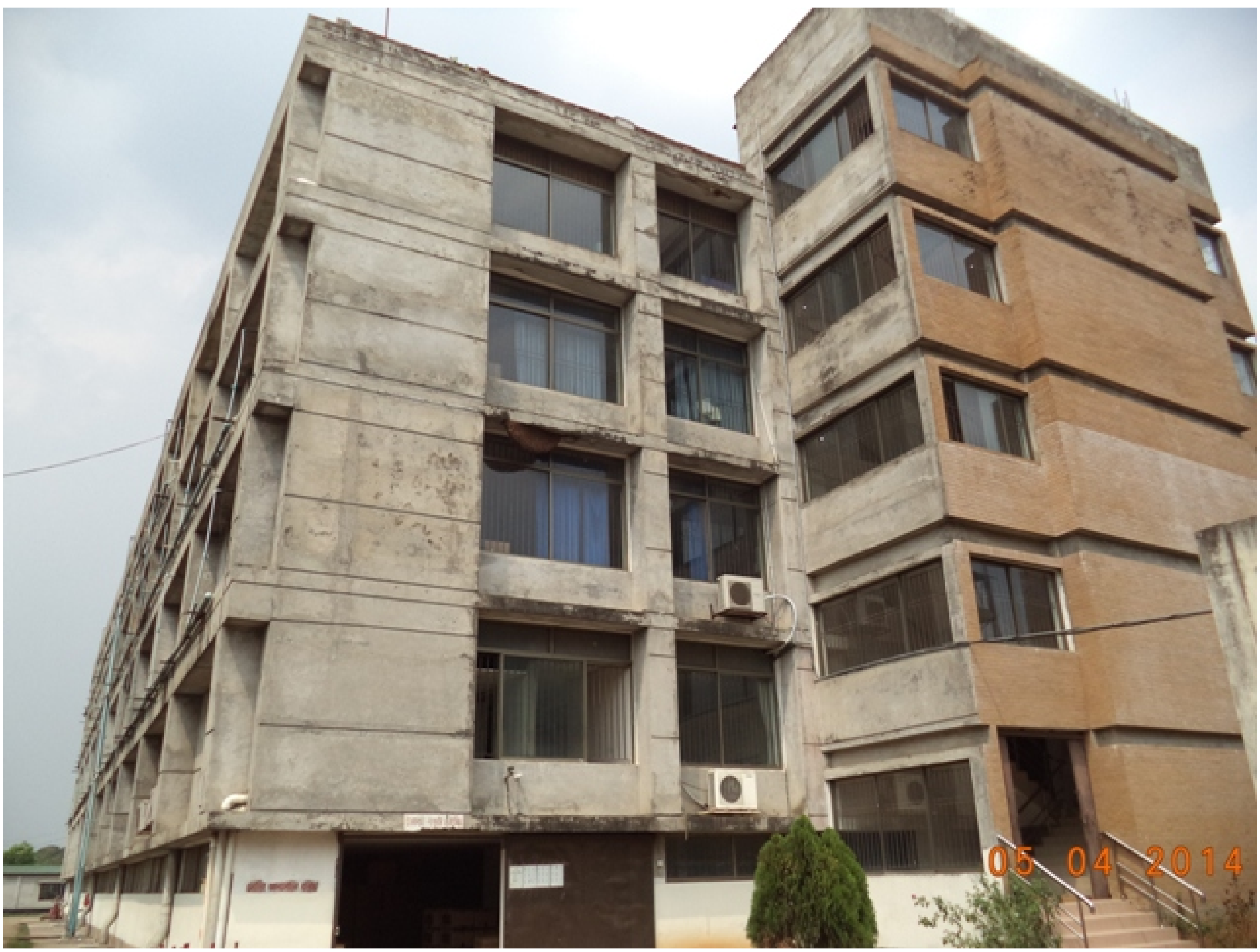
Factory Name:	**One Composite Mills Ltd**
Address:	**Vill: B.K.Bari, Post: Mirzapur, Gazipur Gazipur Dhaka Bangladesh**
Assessor:	**Bureau Veritas**
Date:	**05 Apr 2014**

Introduction to the Report

The following report contains a site profile and summary of non-conformities identified during an onsite assessment commissioned by the Alliance for Bangladesh Worker Safety (Alliance) and conducted by a third-party Qualified Assessment Firm (QAF). The assessment was conducted against the Alliance for Bangladesh Worker Safety Assessment Protocols (APs) and Fire Safety and Structural Integrity Standard, which is harmonized with the factory assessment guidelines developed by Bangladesh University of Engineering and Technology (BUET) for the Bangladesh National Tripartite Plan of Action (NTPA). The goal of the Alliance process is to provide clear and practical technical requirements by which Bangladeshi Ready Made Garment (RMG) Factories producing for Alliance members may be consistently and fairly evaluated for fire, structural, and electrical safety in a non-duplicative manner. Each assessment will prompt action plans that will be used by RMG factories to systematically and sustainably improve safety conditions for garment workers. Beyond tracking and reporting on action steps taken in a transparent manner, the Alliance organization and its members will seek to further support factory improvements through technical assistance, training, implementation support for functional Worker Committees, and in some cases financial assistance and wage support for workers if factories are closed for remediation.

The contents of the report do not constitute a guarantee of compliance with the applicable laws, the Alliance Standard or the absolute or continued safety against fire, electrical and/or structural integrity issues that may lead to injury or loss of life. The report is designed to provide a non-exhaustive summary of risk issues, based on a limited sampling and duration of time onsite by the named QAF. Neither the QAF nor the Alliance can certify or guarantee the quality, outcome, or effectiveness of actions taken in response to the report.

For more information and report feedback please go to: www.bangladeshworkersafety.org.



GENERAL INFORMATION

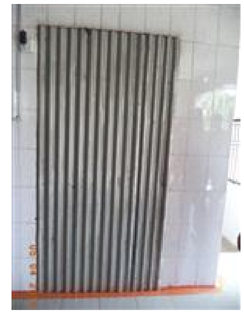
General Information	
Factory Name:	One Composite Mills Ltd
Address:	Vill: B.K.Bari, Post: Mirzapur, Gazipur Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	1703
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	08/05/2014
Final Report Date:	09/05/2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There are 16 nos buildings in the premise. They are, 1. Garments Building. 2. Knitting Building. 3. Dyeing fabricated shed. 4. Finish fabric building. 5. Chemical store shed. 6. Boiler, Generator,Compressor shed. 7. Gray fabric store. 8. Workshop. 9. Security barrack. 10. Worker dining Shed 11. Mosque 12. Jhut Godown 13. Civil store 14. Canteen 15. Security & Fire Office 16. RMS room
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Details provided in description.
Approximate Building Area (SF):	1.Garments Building-115681.25 sft (Ground floor: 23136.25 sft, 1st floor: 23136.25 sft, 2nd floor: 23136.25 sft, 3rd floor: 23136.25 sft, 4th floor: 23136.25 sft) 2.Knitting Building- 40601.98 sft. (Ground floor: 20300.99 sft, 1st floor: 20300.99 sft) 3.Dyeing fabricated shed- 4800 sft. 4.Finish fabric building - 7300 sft 5.Chemical store shed- 5300 sft. 6.Boiler, Generator & Compressor shed - 6000 sft. 7.Gray fabric store - 2700 sft 8.Work shop (non rated)- 1000 sft. 9.Security barrack - 1600 sft. 10.Worker dining Shed - 3600 sft. 11. Mosque Shed - 2000 sft 12. Jhute Godown Shed - 3500 sft. 13. Civil Store Shed -800 sft 14. Canteen Shed - 336 sft. 15. Security & Fire Office Building - 432 sft. 16. RMS room- 100 sft.
Date of Building Construction:	2002 to 2005
Date of Last Building Renovation/Addition:	No Record Found of Renovation

Ancillary Structures in Complex:	There are 13 nos Ancillary Structures in Complex. 1. Finish fabric building. 2. Chemical store shed. 3. Boiler, Generator & Compressor shed. 4. Gray fabric store. 5. Workshop. 6. Security barrack. 7. Worker dining Shed. 8. Mosque Shed. 9. Jhut Godown Shed. 10. Civil Store Shed. 11. Canteen Shed 12. Security & Fire Office. 13. RMS room.
Approximate Ancillary Structures Area (SF):	1.Finish fabric building - 7300 sft 2.Chemical store shed- 5300 sft. 3.Boiler, Generator & Compressor shed - 6000 sft. 4.Gray fabric store - 2700 sft 5.Work shop (non rated)- 1000 sft. 6.Security barrack - 1600 sft. 7.Worker dining Sheed - 3600 sft. 8. Mosque Shed - 2000 sft 9. Jhute Godown Shed - 3500 sft. 10. Civil Store Shed -800 sft 11. Canteen Shed - 336 sft. 12. Security & Fire Office Building - 432 sft. 13. RMS room- 100 sft.
Number of Occupants:	Total Occupants =1960 1. Garments Building- 1685.(Ground Floor- 78, 1st Floor- 430, 2nd Floor- 492, 3rd Floor- 490, 4th Floor- 195) 2. Knitting Building-98. 3. Dyeing fabricated shed- 53. 4. Finish fabric building-70. 5. Chemical store shed(Tin.shed)- 17. 6. Boiler, Generator & Compressor shed(Prefab)- 25. 7. Gray fabric store (Tin shed)- 2. 8. Work shop (Tin shed)- 2. 9. Security barrack (Tin shed)-2. 10. Worker dining Shed (Tin shed)-2. 11. Mosque (Tin Shed) -N/A 12. Jhut Godown (Tin shed) 13. Civil store (Tin Shed -none 14. Canteen (Tin Shed)-1. 15. Security office & Fire Office (Rcc)-3. 16. RMS room (RCC), (Gas connection)-none"
Number of Ancillary Levels (Stories):	Details provided in explanation.

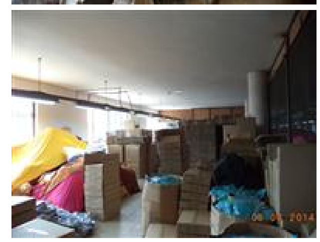
ASSESSMENT FINDINGS

Fire Protection Construction

Question:	Are openings and penetrations through rated walls and/or assemblies protected?	 
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Photo-1 shows that, in main building (Garments) not installed fire rated door at exit point. Photo-2 shows that, Knitting building 1st floor no proper separation between office and yarn store.	
Source of Findings:	Photograph: Photograph shows that, Photo-1 shows that, in main building (Garments) not installed fire rated door at exit point. Photo-2 shows that, Knitting building 1st floor no proper separation between office and yarn store.	
Suggested Plan of Action:	Installed fire rated door at every exit point and make fire rated barrier similar to this on any fire rated walls across the entire premise.	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Includes doors, windows, ducts, piping, etc. Reference Alliance Standards Part 4 Section 4.6 Opening Protectives and Section 4.7 Penetrations	
Question:	Are exit enclosures provided with fire-resistive rated construction barriers?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Large Openings guarded by MS grill provided in Stair Cases at each Floor. Adjacent to the walls with opening, there are production areas	
Source of Findings:	Photograph: Photograph shows that, exit enclosure was not fire protected.	
Suggested Plan of Action:	All doors on these stairs needs to be 1.5 hour rated. Provide fire-resistive rated construction barriers at exit enclosures in accordance with Alliance Standards Part 4 Section 4.5 : Separation. Consult a qualified fire protection engineer to design the required rated construction barriers.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	

Question:	Are shafts provided with the minimum fire-resistance rating?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	There was a lift core in main building(Garments) facing toward production area without fire protection barrier.	
Source of Findings:	Photograph: Photograph shows that,There was a lift core in main building(Garments) facing toward production area without fire protection barrier.	
Suggested Plan of Action:	Provide a shaft enclosure of required rating by constructing the enclosure with properial of required thickness.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5.7.1 through 4.5.7.3	
Question:	Is each floor separated with a fire-resistive rated construction barrier?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	Penetration through RCC slab in 1st, 2nd, 3rd, 4th floor of Garments Building is not sealed. This penetration was found beside staircase located in the middle of the Garments building.Others structures are shed which are non rated.	
Source of Findings:	Photograph: Photograph shows that, main Garments building floors were penetrated at several floor and others structures are shed.	
Suggested Plan of Action:	Need to sealed the opening with proper fire rated materials.	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation	

Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	1. The utility shed (boiler, generator, compressor) and knitting building are not separated with proper fire-resistive rated construction barrier. The roof of the utility shed is prefab shed and walls are not erected up to the top of the shed. 2. In main building (Garments), Ground floor store is not properly fire separated.3.In first floor of main building sweing section and store not fire separated.
Source of Findings:	Photograph: Photograph shows that, separation in utility shed(Boiler, Generator, Compressor), and main building(Garments) in store area, Production area not fire separated.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers between hazard types. Consult a qualified fire protection engineer to design the required rated construction barrier
Suggested Deadline Date:	23 Nov 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation



Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	2
Description:	No occupancy certificate available for any building in the factory premise.
Source of Findings:	Document Review: Documents review shows that,No occupancy certificate available for any building in the factory premise.
Suggested Plan of Action:	Apply to Executive Engineer of PWD (Gazipur) for issuance of occupancy certificate and pursue the matter to expedite.
Suggested Deadline Date:	19 Jul 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?

Question:	Occupancy Type
Priority Level:	
Non-Compliance Level:	
Description:	1. Garments Building- G2(Industrial) 2. Knitting Building- G2(Industrial) 3. Dyeing fabricated shed- G2(Industrial) 4. Finish fabric building-H2(Storage) 5. Chemical store shed(Tin shed)-J2(Chemical Storage) 6. Boiler, Generator & Compressor shed(Prefab)-K1(Boiler, Generator & Compressor) 7. Gray fabric

	store (Tin shed)-H2(Storage) 8. Work shop (Tin shed)-K1(Miscellaneous) 9. Security barrack (Tin shed)- A3(Residence) 10. Worker dining Shed (Tin shed)-E4(dining) 11. Mosque (Tin Shed) -E3(Prayer) 12. Jhut Godown (Tin shed)-H2(Storage) 13. Civil store (Tin Shed)-H2(Storage) 14. Canteen (Tin Shed)-E4(Dining) 15. Security Fire Office (Rcc)-F1 16. RMS room (RCC)-K1(Miscellaneous)
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Provide Occupancy Type for each building and structure. Reference Alliance Standards Part 3 Use and Occupancy
Question:	Construction Type
Priority Level:	
Non-Compliance Level:	
Description:	1.Garments Building: Type 1 2.Knitting Building: Type 1 3.Dyeing fabricated shed: Non Rated 4.Finish fabric building: Type 1 5.Chemical store shed(Tin shed): Non Rated 6.Boiler, Generator,Compressor shed(Prefab): Non Rated 7.Gray fabric store (Tin shed): Non Rated 8.Work shop (non rated): Non Rated 9.Security barrack (Tin shed):Non Rated 10.Worker dining Shed (Tin shed): Non Rated 11. Mosque (Tin Shed): Non Rate 12. Jhut Godown: Non Rated 13. Civil store (Tin Shed): Non Rated 14. Canteen (Tin Shed): Non Rated 15. Security & Fire Office (Rcc): Type 1 16. RMS room (RCC): Type 1
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Provide construction type for each building and ancillary structure. Reference Alliance Standards Table 3.3.1
Question:	Height of Highest Occupied Floor Level Above Grade
Priority Level:	
Non-Compliance Level:	
Description:	Highest occupied floor level of the buildings are as follows- 1.Garments Building: 41 ft 2.Kniting Building: 16 ft 3.Dyeing shed (Prefab): 1 ft 4.Finish fabric building: 1 ft 5.Chemical store shed(Tin shed): 1 ft 6.Boiler, Generator,Compressor shed(Prefab): 1 ft 7.Gray fabric store (Tin shed): 1.5 ft 8.Work shop (Tin shed): 1 ft 9.Security barrack (Tin shed): 1.5 ft 10.Worker dining Shed (Tin shed): 1 ft 11. Mosque (Tin Shed): 1 ft 12. Jhute Godown (Tin shed): 1 ft 13. Civil store (Tin Shed): 1 ft 14. Canteen (Tin Shed): 1 ft 15.

	Security & Fire Office (Rcc): 1 ft 16. RMS room (RCC): 1 ft	
Source of Findings:		
Suggested Plan of Action:		
Suggested Deadline Date:		
Standard:	Provide maximum height of highest occupied floor level above grade for each type of building and ancillary structure.	
Fire Protection Systems		
Question:	Does the building have a fire pump?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	No dedicated fire pump was found but there was a stand by pump for Industrial water supply system.	
Source of Findings:	Visual Assessment: Visual assessment shows that, no dedicated fire pump available in the factory premises.	
Suggested Plan of Action:	All new installations and design requirements outlined in BNBC Part 4 Chapter 4 for water supplies shall be replaced by the requirements of NFPA 20 (fire pumps), NFPA 22 (water tanks), and NFPA 24 (underground water mains). The Owner shall contact the Alliance prior to conducting the final acceptance testing of the fire pump installation to allow the Alliance to witness this test. A final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Does the building have a Standpipe System?	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	There is no stand pipe system in the main and ancillary buildings meeting the requirement of NFPA 14, 20, 22 and 25. No Class-I standpipe hose connection (65 mm) are installed at stairwells in each floor level including occupiable roof. 40 mm hoses are connected in floor only.Class-11 standpipe system (40mm) not have design calculation. Through of jet at roof was found 30ft.	
Source of Findings:	Photograph: Photograph shows that, standpipe installed only inside floor(First aid hose).	
Suggested Plan of	Install a standpipe system at required locations designed by a qualified fire	

Action:	protection engineer. The system should be compliant with the requirements of NFPA 14. The hydraulic calculations should be reviewed by Alliance and review to be completed prior to start of work.	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
Question:	Is the fire alarm and detection system monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	Fire alarm and detector control panel is not available at the premises.	
Source of Findings:	Visual Assessment: Visual assessment shows that, no fire alarm and detector control panel is available in the premises.	
Suggested Plan of Action:	Alliance Standard Part 5 Section 5.7.5: Monitoring must be followed	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring	
Question:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No fire department connections provided in the factory building.	
Source of Findings:	Visual Assessment: Visual assessment shows that, fire department connections were not provided in the factory building.	
Suggested Plan of Action:	According to Alliance Standard,Part-5,Section-5.5.4, fire department(Siamese) inlet connections shall be provided to allow fire department pumper equipment to supplement the fire protection systems. Fire department outlet connections shall be provided to allow fire department pumper vehicles to draw water from ground-level or underground water storage tanks. Connections shall match the Fire Service and Civil Defense hose thread standard.	
Suggested Deadline Date:	23 Nov 2014	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
Question:	Standpipe system piping is free of mechanical damage, leakage, and corrosion?	

Priority Level:	Medium
Non-Compliance Level:	1
Description:	No proper standpipe system found in the buildings. Class-1 standpipe not installed in stairwells. Only class-11 standpipe installed in floor which through of jet was found in roof 3oft.Class-11 standpipe not have design calculation, but free of mechanical damage.
Source of Findings:	Visual Assessment: Visual assessment shows that, no proper standpipe system available in the factory premises.
Suggested Plan of Action:	Repair or replace damaged piping at the noted locations, if required.Repairs and replacements must comply with NFPA 14 and NFPA 25.
Suggested Deadline Date:	23 Nov 2014
Standard:	NFPA 25 Chapter 6 Standpipe and Hose Systems

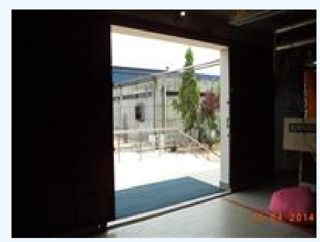
Question:	Is signage for the standpipe system installed at required locations and on required components?
Priority Level:	Low
Non-Compliance Level:	2
Description:	No signage for the standpipe system installed.
Source of Findings:	Visual Assessment: Visual assessment shows that, no signage for standpipe system installed.
Suggested Plan of Action:	Install required identification signs at the noted locations. Signage must comply with NFPA 14.
Suggested Deadline Date:	20 Jul 2014
Standard:	Reference NFPA 14 Chapter 6

Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	2
Description:	Not applicable because there is no fire pump available in the factory.
Source of Findings:	Document Review: Documents review shows that,inspection, maintenance, and testing procedures of the fire pump documented and up to date
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the fire pump. Program must comply with NFPA 25
Suggested Deadline	23 Nov 2014

Date:		
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps	
Question:	Are inspection, maintenance, and testing procedures of the standpipe and hose system documented and up to date? Including inspection and testing of hoses if provided.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	There is no test and maintenance plan and record for testing and maintaining of stand pipe system as per requirement of NFPA 25.	
Source of Findings:	Document Review: Documents review shows that, no record available for maintenance and testing of standpipe system.	
Suggested Plan of Action:	Establish an inspection, maintenance, and testing program for the standpipe and hose system. Program must comply with the requirements of NFPA 25	
Suggested Deadline Date:	23 Nov 2014	
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2	
Means of Egress		
Question:	Doors are not locked in the direction of egress under any conditions. All hasps, locks, slide bolts, and other locking devices have been removed where required.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	There are collapsible doors and steel leaf doors with locking arrangement at each egress locations. But not lock in the direction of egress.	
Source of Findings:	Photograph: Photograph shows that,Collapsible gates with hasp and lock.	
Suggested Plan of Action:	Provide 1 hr fire protective opening assemblies in 1 hr rated exit enclosure. Provide 1.5 hr fire protective opening assemblies in 2 hr rated exit enclosure. Exits connecting three or fewer stories shall be enclosed with a minimum 1-hr fire-resistance rating. Exits connecting four or more stories shall be enclosed with a minimum 2-hr fire-resistance rating. Exits shall be enclosed with the same fire-resistance rating as the floor penetrated but will not need to exceed 2 hr. Increase door width to 0.8m or greater by demolishing wall adjacent to the door. If this door is not required to satisfy the requirement of total exit width (based on occupant load) and maximum travel distance, eliminate this door.	
Suggested Deadline Date:	21 Jun 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	

Question:	Doors along the path of egress have a minimum width of 0.8 m (32 in) and have required ratings.
Priority Level:	High
Non-Compliance Level:	3
Description:	Door widths are more than 0.8m, but doors along the path of egress (i.e. doors leading to staircase) in buildings are not fire doors.
Source of Findings:	Photograph: Photograph shows that, door width is sufficient but not fire rated.
Suggested Plan of Action:	Provide 1.5 hr fire protective opening assemblies in 2 hr rated exit enclosure. Exits connecting three or fewer stories shall be enclosed with a minimum 1-hr fire-resistance rating. Exits connecting four or more stories shall be enclosed with a minimum 2-hr fire-resistance rating. Exits shall be enclosed with the same fire-resistance rating as the floor penetrated but will not need to exceed 2 hr.
Suggested Deadline Date:	30 Aug 2014
Standard:	Alliance Standard Part 6 Section 6.5.6 Minimum Widths. Increased occupant loads will require a door width greater than 0.8 m.

Question:	All doors in a means of egress are of the side-hinged swinging type.
Priority Level:	High
Non-Compliance Level:	3
Description:	All the doors were collapsible and sliding type.
Source of Findings:	Photograph: Photograph shows that,All the doors were collapsible and sliding type.
Suggested Plan of Action:	Replace all collapsible, sliding, roll-down gates and shutters in means of egresses with side-hinged swinging type doors of proper width and rating.
Suggested Deadline Date:	30 Aug 2014
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates



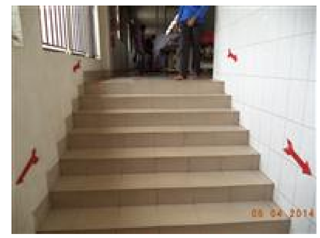
Question:	Aisles are provided with the minimum unobstructed clear width of 0.9 m (36 in) based on occupant loads.
Priority Level:	High
Non-Compliance Level:	2
Description:	Aisles all over the factory were found satisfactory but at some aisles of the 2nd, 3rd & 4th floor width was found below 0.9 m of the main building(Garments).
Source of Findings:	Photograph: Photograph shows the aisles width of main building.

Suggested Plan of Action:	Aisles must be always free and as per Alliance Standard Part-6, Section-6.5.1 aisles shall be provided with a minimum unobstructed clear-width of 0.9 m(36 inch).	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Higher occupancy loads will require a greater width to accommodate the increased load. Alliance Standard Part 6 Section 6.5 Egress Width	
Question:	The path of egress along the means of egress is not reduced at any point along the path of travel and is sufficient for the occupant load.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	At only one location structural columns were found reducing the width of the aisle of the main building(Garments).	
Source of Findings:	Photograph: Photograph shows the aisles width.	
Suggested Plan of Action:	Aisles must be always free and as per Alliance Standard Part-6, Section-6.5.1 aisles shall be provided with a minimum unobstructed clear-width of 0.9 m(36 inch).	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.5 Egress Width and BNBC Table 4.3.2	
Question:	Exit access corridors serving an occupant load exceeding 30 are separated by walls having a fire-resistance rating of 1 hr.	
Priority Level:	High	
Non-Compliance Level:	2	
Description:	At Ground floor of main building a corridor was found with opening door which is not 1 hour fire rated.	
Source of Findings:	Photograph: Photograph shows a corridor.	
Suggested Plan of Action:	Provide fire-resistive rated assemblies at the corridor. The rated assembly should be approved and/or designed by a qualified fire protection engineer in accordance with Alliance Standard, Part-6, Section- 6.3.1.1.	
Suggested Deadline Date:	30 Aug 2014	
Standard:	Alliance Standard Part 6 Section 6.3 and Part 4 Section 4.5. Does not apply if an automatic sprinkler system is installed throughout the building.	

Question:	Occupant loads are posted for every assembly and production floor in a conspicuous space near the main point of egress.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Occupant loads not posted in any assembly and production floor.
Source of Findings:	Photograph: Photograph shows that,Occupant loads not posted in any assembly and production floor.
Suggested Plan of Action:	Occupant loads must be posted as per Alliance Standards Part 6, Section 6.4.4: Posting of Occupant Load.
Suggested Deadline Date:	05 Jul 2014
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load

Question:	All paths of egress are provided with compliant means of illumination.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	No industry grade light was found in the factory buildings. CFL bulbs are provided as emergency light.
Source of Findings:	Photograph: Photograph shows that, No industry grade light was found in the factory buildings. CFL bulbs are provided as emergency light.
Suggested Plan of Action:	Install appropriate means of illumination at the noted locations. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs, which provide evenly illuminated letters having a minimum luminance of 0.2cd/m2, may also be used The means of egress paths shall be illuminated at all times the building is occupied. Illumination shall be a minimum of 10 lux for all corridors, exit doors, and stairways. Aisles shall be provided with a minimum 2.5 lux.
Suggested Deadline Date:	22 Nov 2014
Standard:	Alliance Standards Part 6 Section 6.7 Egress Illumination and Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape

Question:	Illuminated exit signs are placed at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Illuminated exit signs are placed at entrances to exits but not provide along the path of egress anywhere the continuation of egress is not obvious or there is a

	change in the direction of the path of travel.	
Source of Findings:	Photograph: Photograph shows the exit sign not placed the continuation of the egress.	
Suggested Plan of Action:	Install Illuminated exit signs at entrances to exits and along the path of egress anywhere the continuation of egress is not obvious or there is a change in the direction of the path of travel.	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
Question:	Handrails are provided on both sides of each stairway. Intermediate handrails are provided when the stair width exceeds 2.2 m (87 in.). Handrails are not mounted lower than 760 mm (30 in.) or higher than 1100 mm (44 in.).	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	None of the stairs have handrails on both sides in each building of factory premises.	
Source of Findings:	Photograph: Photograph shows that, None of the stairs have handrails on both sides in each building of factory premises.	
Suggested Plan of Action:	Install handrails on both sides of the stair in accordance with Alliance Standard,Part-6,Section-6.9.2.4, 6.12.1.1 and 6.12.1.2.	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	
Question:	Emergency power for means of egress illumination is verified at least once per year. If battery operated lights are used, these lights are tested on a monthly basis. Functional testing of battery powered lights is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	There were no documents of periodical testing of emergency power for means of egress. Emergency light(CFL) were tested daily basis.	
Source of Findings:	Document Review: Documents review shows that,No relevant document found.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the operation of all exist signs is verified at least once per year. If battery-operated signs are used, these lights shall be tested on a monthly basis. Functional testing of battery powered signs shall be provided for a minimum 90 min once per year.	

Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting	
Question:	Emergency power for exit signs is tested at least once per year. If battery operated, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year.	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	No record found for functional testing of battery powered lights for a minimum 90 min once per year.	
Source of Findings:	Document Review: Documents review shows no record for functional testing of battery powered lights.	
Suggested Plan of Action:	Develop a testing and maintenance program that ensures the emergency power for exit signs is tested at least once per year. If battery operated signs are used, these lights are tested on a monthly basis. Functional testing of battery powered signs is provided for a minimum 90 min once per year	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
Question:	Exit signs have appropriate illumination levels and contrasting graphics.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Exit signs not have appropriate illumination levels and contrasting graphics in accordance with Alliance Standard, Part-10,Section-10.12.	
Source of Findings:	Photograph: Photograph shows that,Exit signs have not appropriate illumination levels and contrasting graphics	
Suggested Plan of Action:	Exit signs may be illuminated either by lamps external to the sign or by lamps contained within the sign. The source of illumination shall provide not less than 50 lux at the illuminated surface with a contrast of not less than 0.5. Approved self-luminous signs which provide evenly illuminated letters having a minimum luminance of 0.2cd/m2 may also be used.	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standard Part 10 Section 10.12.1 Exit Signs	

Question:	Stair designation signs are provided at each floor entrance from the stair to the floor in English and Bengali. Signs indicate the name of the stair and the floor level. Signs are posted adjacent to the door.
Priority Level:	Low
Non-Compliance Level:	2
Description:	No stair designation sign was found in the building.
Source of Findings:	Photograph: Photograph shows that, No stair designation sign was found in the building.
Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations.
Suggested Deadline Date:	05 Jul 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs

Fire Safety Programs

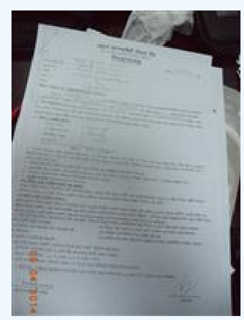
Question:	Chemicals and other flammable materials are stored within approved enclosures.
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Tin-shed and partly prefabricated shed were provided to store chemicals which are not fire rated.
Source of Findings:	Photograph: Photograph shows that, Chemicals and other flammable materials are not stored within approved enclosures.
Suggested Plan of Action:	Store chemicals and all flammable materials in approved enclosure in a safe manner.
Suggested Deadline Date:	21 Jun 2014
Standard:	

Question:	Are there additional areas of non-compliance to report?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Photo-1 shows that, in store room materials arrangements is not proper manner. Photo-2 shows that house keeping in the factory premises is not good condition. Photo-3 shows that childcare room is not proper fire rated.Opening is not fire rated.
Source of Findings:	Photograph: Photograph shows that,Photo-1 shows that, in store room materials arrangements is not proper manner. Photo-2 shows that house keeping in the factory premises is not good condition. Photo-3 shows that childcare room is not proper fire rated.Opening is not fire rated.
Suggested Plan of Action:	Keep materials in good manner. House keeping must be done properly and regularly. Opening of the childcare room need to fire protected because a corridor passing through in front the childcare room.
Suggested Deadline Date:	
Standard:	Not Applicable

Question:	An emergency evacuation plan has been developed and communicated to all employees.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Though through the interview, it was noted that the workers are aware of the evacuation procedure upon commencing of the alarm. However, no procedure defining evacuation process was available.
Source of Findings:	Document Review: Document Review shows that, A developed evacuation plan was unavailable.
Suggested Plan of Action:	Develop an emergency evacuation plan which includes all components required by the Alliance Standards and communicate the plan to all employees in accordance with Alliance Standard, Part-13, Section-13.3.
Suggested Deadline Date:	05 Jul 2014
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director

Question:	Storage areas underneath the cutting tables are clear of combustibles.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Storage areas underneath the cutting tables are not clear of combustibles of the main building.

Source of Findings:	Photograph: Photograph shows the storage under cutting table.	
Suggested Plan of Action:	Remove all combustibles stored underneath the cutting tables at the noted locations.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standard Part 17 Section 13.7.2 Cutting tables.	
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	No record of training program was available in accordance with the Alliance Safety Training Curriculum on fire safety.	
Source of Findings:	Document Review: Document Review shows, No record of training program was available on fire safety	
Suggested Plan of Action:	Implement training program with proper documentation in accordance with the Alliance Safety Training Curriculum on fire safety.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standards Part 13	
Question:	Are all applicable permits up to date including Fire License & Boiler License.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	The license of Electrician was 'Ga' Type BERC licence was not found. Chemicals license are unavailable.	
Source of Findings:	Document Review: Documents review shows that,The license of Electrician was 'Ga' Type BERC licence was not found. Chemicals license are unavailable.	
Suggested Plan of Action:	Collect all applicable license from the proper authority.	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standard Part 13 Human Element Programs	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	

Non-Compliance Level:	2	
Description:	Fire Department pre planning has not been completed yet.	
Source of Findings:	Document Review: Document Review shows that, No fire department pre-planning documentation was found.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense in accordance with Alliance Standard, Part-13, Section-13.1.1(2).	
Suggested Deadline Date:	05 Jul 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Hot work permit program not found.	
Source of Findings:	Document Review: Documents review shows that, no hot work permit available.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	A Fire Safety Director position has been filled.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	A fire supervisor responsible for fire related activities was found but he was not a fire safety director.	
Source of Findings:	Photograph: Photograph shows the evidence.	
Suggested Plan of Action:	Create a Fire Safety Director position and fill the position with an individual that has had sufficient training to be able to carry the required duties	
Suggested Deadline Date:	22 Nov 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	