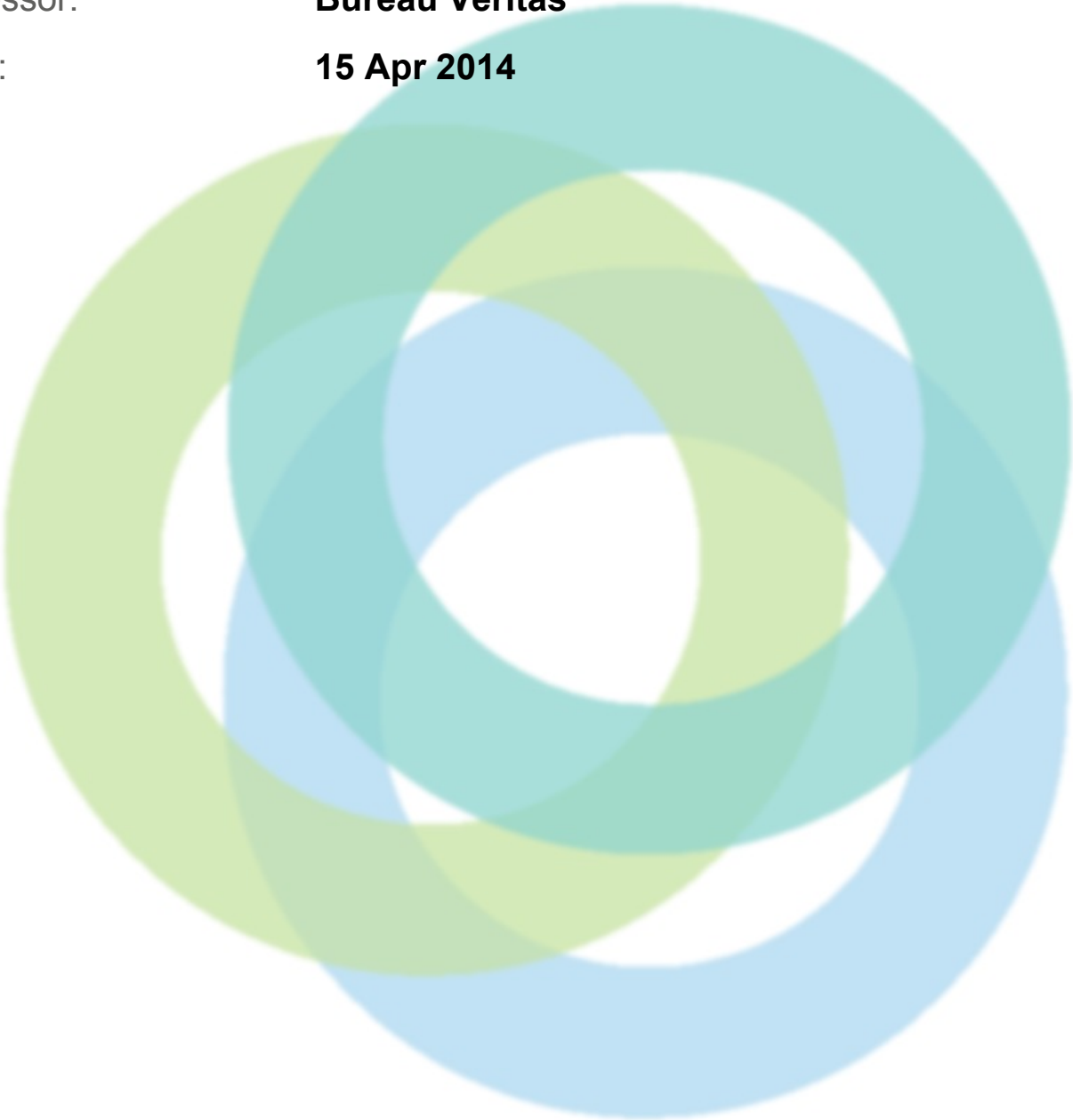


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Power Vantage Wear Ltd (3rd & 4th Floor)**
Address: **234/8, Kafrul Tower Kachukhate Road Kafrul, Dhaka
Cantonment Dhaka Dhaka Bangladesh**
Assessor: **Bureau Veritas**
Date: **15 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:	Power Vantage Wear Ltd (3rd & 4th Floor)
Address:	234/8, Kafrul Tower Kachukhate Road Kafrul, Dhaka Cantonment Dhaka Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Dhaka
Zip Code:	1206
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	05-08-2014
Final Report Date:	05-11-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	There is one building in the factory premises which is main production building. The building is named as: 1) Main building(Production).
Is the building(s) owned or rented by the Factory:	Rented
Number of Building Levels (Stories):	1) Main building (Production): Building height (Highest occupied floor level): 18.3 m or 60 ft [Height up to roof: 21.34 m or 70 ft], Stories above grade: 7, Stories below grade: 0, Occupied levels: 7.
Approximate Building Area (SF):	1) Main building (Production): Total area of main building (Production) in the factory premises: 62384 sq ft. Floor wise breakdown as follows: (Ground floor: 8184 sq ft, 1st floor: 9426 sq ft, 2nd floor: 9426 sq ft, 3rd floor: 9426 sq ft, 4th floor: 9426 sq ft, 5th floor: 9426 sq ft, 6th floor: 7070 sq ft).
Date of Building Construction:	Factory personnel informed the date of construction as follows: 1) Main building(Production): Started in June-1998 and finished in December-2000.
Date of Last Building Renovation/Addition:	Factory personnel informed the date of last building renovation(Dining shade at 6th floor) as follows: 1) Main building(Production): Finished in December-2000.
Ancillary Structures in Complex:	There is no ancillary structure within factory premises.
Approximate Ancillary Structures Area (SF):	There is no ancillary structure within factory premises.

Factory Name: **Power Vantage Wear Ltd (3rd & 4th Floor)**
Address: **234/8, Kafrul Tower Kachukhate Road Kafrul, Dhaka Cantonment Dhaka Dhaka Bangladesh**

Assessor: **Bureau Veritas**

Date: **15 Apr 2014**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

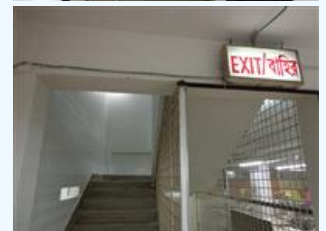
Number of Occupants:	Total number of occupants: 1407. 1) Main building(Production): 1407 (Ground floor: 50, 1st floor: 184, 2nd floor: 304, 3rd floor: 313, 4th floor: 261, 5th floor: 293, 6th floor: 2).
Number of Ancillary Levels (Stories):	There is no ancillary structure within factory premises.



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:	1. All windows of the main building of North, South and East side should be closed as there is existing building which is much closer to main building (Production) and violate the alliance standard 2. 3 exits leading to staircase do not have fire doors. 3. Door and windows of boiler room, Generator and Transformer room at ground floor are not fire rated.
Source of Findings:	Photograph: Photograph shows that openings and penetrations through rated walls and/or assemblies are not protected., Visual Assessment: Visual Assessment shows that openings and penetrations through rated walls and/or assemblies are not protected.
Suggested Plan of Action:	Remove and fill, or install fire rated opening protectives for windows. Install fire rated doors for fire rated room enclosures.
Suggested Deadline Date:	02 Sep 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:	No fire doors installed at non of the exit stairs. Fire barrier (Wall) not provided at exit 2 located at (North-East) side of the floor.
Source of Findings:	Photograph: Photograph shows that exit enclosure is not fire rated. Stair Walls are not fire protected at North-East stair.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers at exit enclosures. Consult a qualified fire protection engineer to design the required rated construction barriers.
Suggested Deadline Date:	02 Sep 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation





Question:	Is the fire resistance materials of structural members in good condition and free of damage?
Priority Level:	Medium
Non-Compliance Level:	2
Description:	The main building (Production) is made of Reinforced Concrete Construction (RCC) and is in overall good condition; however, at 6th floor the building has a tin shed for a portion of the building which is non rated. The 3rd floor has crack on slab and opening.
Source of Findings:	Photograph: Photograph shows that the main building (Production) is made of RCC. 6th floor is a partial tin shed which is non rated. 3rd floor has crack on slab and opening.
Suggested Plan of Action:	Repair the crack and leakage of the slab. Remove, replace, or protect partial tin shed construction on 6th floor to meet permitted construction type requirements.
Suggested Deadline Date:	25 Nov 2014
Standard:	BNBC Part 3 Chapter 3
Question:	Are separations between hazards provided with fire-resistive rated construction barriers.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Main building (Production) at 1st floor does not have proper separation between office and production. At ground floor, generator, transformer, and boiler room do not have proper fire separation.
Source of Findings:	Photograph: Photograph shows lack of proper fire separation at 1st floor and at ground floor.
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:	25 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:	1
Description:	No occupancy certificate available for the building or the factory.





Source of Findings:	Document Review: Document review shows that no occupancy certificate is available for the building or the factory.
Suggested Plan of Action:	Apply to Dhaka Cantonment board authority for issuance of occupancy certificate in an expeditious manner.
Suggested Deadline Date:	22 Jul 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?
Question:	Occupancy Type
Priority Level:	
Non-Compliance Level:	
Description:	1) Main building(Production): [Ground floor: H2(Wear house), K1(Generator , Transformer and Boiler), B2(Childcare), 1st floor: G2 (Finishing), 2nd floor: G2 (Sewing), 3rd floor: G2 (Sewing), 4th floor: G2 (Cutting), 5th floor: G2 (Sewing), 6th floor: E3 (Dining)].
Source of Findings:	Visual Assessment: There is no occupancy certificate for the building. This occupancy is provided as per the running operation of the factory.
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) Main building(Production): [Ground floor to 5th floor: Type 1, 6th floor: Non-rated(RCC structure with tin shade) and some portion is open].
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:	1) Main building(Production): 18.3 m or 60 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 Standpipe System?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	2 Class-II standpipe hose connections (fixed nozzle) installed on each floor. There is no Class-I standpipe hose connection (65 mm) in stairwells including occupiable roof. At roof, hose pressure was negligible considering required pressure 4.5 bar. Hose pressure and water capacity are not sufficient.	
Source of Findings:	Photograph: Photograph shows that only Class II standpipe system is available., Visual Assessment: During site tour, only Class II stand pipe system was noticed.	
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire 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:	02 Sep 2014	
Standard:	Does the building have a standpipe system installed where required. Alliance Standard Part 5 Section 5.4.2	
Question:	Does the building have a fire pump?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	No dedicated fire pump available in the factory and as per alliance standard NFPA 20 must followed during installation of fire pump.	
Source of Findings:	Visual Assessment: During site tour, no dedicated fire pump was noticed in the factory premises.	



Suggested Plan of Action:	A fire pump shall be provided for the building in accordance with Alliance Standard 5.5 and NFPA 20. 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:	25 Nov 2014	
Standard:	Alliance Standard Part 5 Fire Protection Systems	
Question:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Central automatic fire detection system was not available in the factory premises.	
Source of Findings:	Visual Assessment: No fire alarm control panel available in the factory.	
Suggested Plan of Action:	Install a centralized automatic fire alarm and smoke/heat detection system with control panel following the requirement of NFPA 72 throughout all new and existing buildings and structures.	
Suggested Deadline Date:	08 Jul 2014	
Standard:	Alliance Standard Part 13 Section 13.10 Maintenance of Fire Protection Equipment	
Question:	Are notification and initiation devices for the fire alarm system installed at required locations based on occupancy type?	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Pull stations, smoke detectors, visual and audible devices are placed where required but approved shop drawing was not found.	
Source of Findings:	Photograph: Available notification and initiation devices.	
Suggested Plan of Action:	Initiating devices shall include either smoke or fire detection devices spaced in accordance with NFPA 72. According to Alliance Standard Part 5 Section 5.7.4.4, automatic alarm evacuation shall be provided upon initiation of any of the following: manual alarm box, waterflow alarm, or two or more automatic smoke or fire detection devices. Notification shall be provided throughout the building for total evacuation. Existing partial evacuation systems shall be replaced. Manual fire alarm shall be provided throughout as per clause 5.7.3. Automatic fire alarm shall be provided throughout as per clause 5.7.3.	
Suggested Deadline	02 Sep 2014	





Date:		
Standard:	Pull stations at egress points, smoke detectors in air handling equipment, visual and audible devices spaced appropriately based on occupancy type. Reference NFPA 72	
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. Since there is no services available for monitoring of the fire alarm and detection system, factory should have an arrangement of monitoring the system with its own personnel. No such arrangement is evident.	
Source of Findings:	Visual Assessment: Fire alarm and detection system not monitored centrally.	
Suggested Plan of Action:	An automatic fire alarm and detection systems shall be installed following the requirement of NFPA 72 throughout all new and existing buildings and structures based on occupancy type where required as per Alliance Standard Part 5 Clause 5.7.	
Suggested Deadline Date:	08 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: During site tour, no fire department connection was noticed.	
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 pump 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:	25 Nov 2014	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
Question:	Fire extinguishers are inspected, tested, and maintained as required.	



Priority Level:	Medium
Non-Compliance Level:	2
Description:	Fire extinguishers are not inspected, tested, and maintained in accordance with NFPA 10.
Source of Findings:	Document Review: There is no relevant document found accordance with NFPA 10.
Suggested Plan of Action:	Fire extinguishers must be inspected, tested, and maintained in accordance with NFPA 10.
Suggested Deadline Date:	25 Nov 2014
Standard:	NFPA 10 Chapter 7
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:	2
Description:	There is no testing and maintenance plan and record for stand pipe system as per requirement of NFPA 25.
Source of Findings:	Document Review: Document review shows that there is no testing and maintenance record for the standpipe system as of NFPA 25.
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 Chapter 6 Table 6.1.1.2.
Suggested Deadline Date:	25 Nov 2014
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2
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 at required locations and on required components.
Source of Findings:	Visual Assessment: As per visual assessment there was no signage for the standpipe system installed at required locations and on required components.
Suggested Plan of Action:	Install required identification signs at the noted locations. Signage must comply with NFPA 14.



Suggested Deadline Date:	22 Jul 2014
Standard:	Reference NFPA 14 Chapter 6
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 locked.
Source of Findings:	Photograph: Photograph shows that, all doors are steel collapsible which is not locked during operation.
Suggested Plan of Action:	Remove all hasps, locks, slide bolts, or other locking devices at the noted locations. According to section 6.8.2.2 doors may be locked where the latch and lock are disengaged with one motion where the occupant load does not exceed 49 persons. Turning a door handle and disengaging a lock is considered two motions. According to section 6.8.2.2 doors may be provided with locking hardware from the ingress side provided that a panic bar is installed on any door with an occupant load exceeding 49 persons. The re-entry provisions of section 6.8.3 must be met.
Suggested Deadline Date:	24 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 0.8 m, but doors along the path of egress (i.e. doors leading to staircase) in buildings are not fire doors.
Source of Findings:	Visual Assessment: No fire doors are installed along the path of egress.
Suggested Plan of Action:	Provide 1.5 hr fire protective opening assemblies in 2 hr rated exit enclosures. Also provide rated doors in all hazard separation barriers.
Suggested Deadline Date:	02 Sep 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:	Collapsible doors are used for all production floor and utility serving rooms. Glass doors are used for office building.
Source of Findings:	Photograph: Photograph shows typical collapsible doors at every exit point.
Suggested Plan of Action:	Replace all collapsible, sliding, roll-down gates and shutters in means of egress with side-hinged swinging type doors of proper width and rating in accordance with Alliance Standard, Part-6, Section-6.8.1.
Suggested Deadline Date:	02 Sep 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 width at 2nd floor to 6th Floor were found to be less than 0.9 m.
Source of Findings:	Photograph: Photograph shows that aisle widths are less than 0.9 m.
Suggested Plan of Action:	Remove existing aisle marking and draw new marking fulfilling the minimum aisle width requirement. Relocate the machines accordingly if necessary.
Suggested Deadline Date:	02 Sep 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:	1. Exit stair at North-East side is reduced by existing floor column. 2. A few aisles are reduced along the path of egress from 1st floor to 6th floor.
Source of Findings:	Photograph: Aisles width is 26 inch., Visual Assessment: Exit stair width at North-East side is reduced by existing floor column.
Suggested Plan of Action:	Remove aisle marking and mark aisles again so that these are not blocked by any permanent element like column. Remove movable items blocking aisles. Satisfy total width requirement for aisles as per BNBC Part 4 Table 4.3.2 or





	Alliance Standard Part 6 Section 6.5.4. Required exit widths per occupant for aisles is 5 mm with minimum width of 0.9 m.	
Suggested Deadline Date:	02 Sep 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:	Exit access corridor serving 2 nos exit (North West and North East) should be separated by 1 hr fire rated barrier at ground floor.	
Source of Findings:	Photograph: Photograph shows the exit corridor which is not fire rated at ground floor., Visual Assessment: Visual assessment shows that, exit corridor is not fire rated of main building.	
Suggested Plan of Action:	Provide fire-resistive rated assemblies at the required exit access corridors. The rated assembly should be approved and/or designed by a qualified fire protection engineer.	
Suggested Deadline Date:	02 Sep 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:	Every door in a stair enclosure serving more than 5 stories is provided with re-entry unless it meets the requirements of Alliance Standards Part 6 Section 6.8.3.1.	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	At the six story main building, there are no fire doors at exit enclosures as well as no re-entry doors at 5th floor when starting at the top level in the main building in accordance with Alliance Standard, Part-6, Section- 6.8.3 and 6.8.3.1(a).	
Source of Findings:	Visual Assessment: Visual assessment shows that no re-entry doors provided in the main building at required location.	
Suggested Plan of Action:	Provide fire-resistive rated construction barriers at exit enclosures and when appropriate doors are provided ensure they will not be locked to prevent re-entry from the stair to each floor.	
Suggested Deadline Date:	02 Sep 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	



Question:	All occupied roofs are provided with parapets or guards with a minimum height of 1067 mm (42 in.).
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Parapet height is below 42 inch.
Source of Findings:	Photograph: Photograph shows that,parapet height is below 42 inch.
Suggested Plan of Action:	Construct parapet wall as per Alliance Standard,Part-6,Section-6.12.2.4.
Suggested Deadline Date:	25 Nov 2014
Standard:	Alliance Standard Part 6 Section 12 Handrails and Guards
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 are not posted in any assembly and production floor.
Source of Findings:	Photograph: Photograph shows that, no Occupant loads are posted in any assembly and production floor., Visual Assessment: Occupant loads are 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:	08 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 illuminated exit sign are provided along the path of egress when the aisles change the direction. Industrial grade light is insufficient in floor and all exit stairs.
Source of Findings:	Photograph: Path of egress is not provided with compliant means of illumination.
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:	25 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:	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:	2
Description:	There were no documents of periodical testing of emergency power for means of egress.
Source of Findings:	Document Review: No relevant document was 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:	08 Jul 2014
Standard:	Alliance Standards Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape Lighting
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:	No illuminated exit sign are provide where there is a change in direction along the path of egress in all production floor.
Source of Findings:	Photograph: Illuminated exit signs are not placed where exit direction changed.
Suggested Plan of Action:	installed 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:	25 Nov 2014





Standard:	Alliance Standard Part 6 Section 6.11 Exit Signs	
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:	2	
Description:	No plan or record of conducting periodic tests for the emergency battery back up of illumination of the exit signs.	
Source of Findings:	Document Review: No relevant document found for the factory.	
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:	08 Jul 2014	
Standard:	Alliance Standard Part 10 Section 10.12 Illumination of Exit Signs and Means Of Escape.	
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:	Handrails are not provided of both side of the stair (In one side there is hand rail).	
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:	Provide handrails on both side of each stairway. Provide intermediate handrail when the stair width exceeds 2.2m (87 inch). Provide handrail of height between the range 865 mm (34 in.) and 965 mm (38 in.).	
Suggested Deadline Date:	25 Nov 2014	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 Handrails and Guards	



Question:	Exit signs have appropriate illumination levels and contrasting graphics.
Priority Level:	Low
Non-Compliance Level:	2
Description:	Some Exit signs do not have appropriate illumination levels and contrasting graphics.
Source of Findings:	Photograph: Some Exit signs do not have appropriate illumination levels and contrasting graphics.
Suggested Plan of Action:	All required exit signs shall be illuminated continuously at all times. 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/m ² may also be used.
Suggested Deadline Date:	25 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:	1
Description:	Floor level mentioned but stair designation sign are not provided.
Source of Findings:	Visual Assessment: Visual assessment shows that, stair designated sign are not provided.
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:	08 Jul 2014
Standard:	Alliance Standard Part 6 Section 6.9 Stairs



Fire Safety Programs

Question:	Are there additional areas of non-compliance to report?
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Child care room is at Ground floor with no direct access to exit discharge and travel distance is 14 m. This does not comply with Alliance standard.





Source of Findings:	Photograph: Travel distance of child care room is 14 m which is more than the Alliance standard (9 m).
Suggested Plan of Action:	According to Alliance Standard, Part-3, Section 3.4.2.1.1, daycare occupancies which are accessory to other occupancies shall be located on the ground floor with a maximum travel distance of 9 m (30 ft).
Suggested Deadline Date:	19 Aug 2014
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 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 no developed evacuation plan was available.
Suggested Plan of Action:	Develop an emergency evacuation plan which includes duties and responsibilities of various people/groups, interfacing between groups and fire brigade, headcount and identification of trapped victims, physically disabled people and their rescue, etc. and all components required by the Alliance Standards and communicate the plan to all employees.
Suggested Deadline Date:	08 Jul 2014
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director
Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	2
Description:	No record of filling the position of fire safety director has been found. But factory authority claims that they have appointed one.
Source of Findings:	Document Review: No viable documentation related to fire safety director position was found.
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. The duties of the Fire Safety Director shall include the following: (1) Establish internal and external rally points and communicate to all employees in the building. (2) Fire department pre-planning. (3) Conduct safety inspections as outlined in Alliance standard 13.9. (4) Ensure all testing of fire protection equipment is conducted in accordance with Alliance standard 13.10.



Suggested Deadline Date:	25 Nov 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Fire department pre-planning was not found.	
Source of Findings:	Document Review: No document regarding fire department pre-planning has been found among the documents shown by factory personnel.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	08 Jul 2014	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	
Question:	A written housekeeping policy is established and enforced.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Written housekeeping policy was not found which is required as per Alliance Standards Part 13 Section 13.6.	
Source of Findings:	Document Review: Written housekeeping policy was not found for the factory.	
Suggested Plan of Action:	Establish written corporate and plant policies on housekeeping to ensure scheduled cleaning for floor, wall, ceiling, supply and return air ventilation systems. Promptly reschedule to skipped cleanings. Provide a documented line of authority for authorizing a cleaning delay and rescheduling. As a general rule the maximum tolerable deposit thickness for loose fluffy lint is 13 mm (½ in.) over a maximum of 46.5 m ² (500 ft ²). Limit dense deposits to 6 mm (¼ in.) and oil saturated deposits to 3.2 mm (⅛ in.).	
Suggested Deadline Date:	17 Feb 2015	
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping	
Question:	A hot-work permit program has been established.	
Priority Level:	Low	
Non-Compliance Level:	1	
Description:	Hot work permit documentation is not found, which is required as per Alliance Standards Part 13 Section 13.4.	



Source of Findings:	Document Review: No hot work permit program was found for the factory.
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B. In general, this program should address process of request and approval authorities, necessary checks prior approval, standby fire watch and fire fighting equipment, sounding of alarm procedure, duration and expiry of permit and re approval procedure etc.
Suggested Deadline Date:	25 Nov 2014
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B
Question:	Are all applicable permits up to date including Fire License & Boiler License.
Priority Level:	Low
Non-Compliance Level:	1
Description:	1. Boiler license is not available(Applied on 31st March 2014), 2. BERL License is not available(Applied on 14th May 2013.) 3. Approval for 6th floor(Used as dining) not available.
Source of Findings:	Document Review: Boiler license, BERL license and approval for 6th floor(Used as dining)are not available.
Suggested Plan of Action:	Get all the licenses and permits from the proper issuing authority/ updated from the proper issuing authority. Apply to cantonment board authority for approval of 6th floor(Used as dining).
Suggested Deadline Date:	08 Jul 2014
Standard:	Alliance Standard Part 13 Human Element Programs