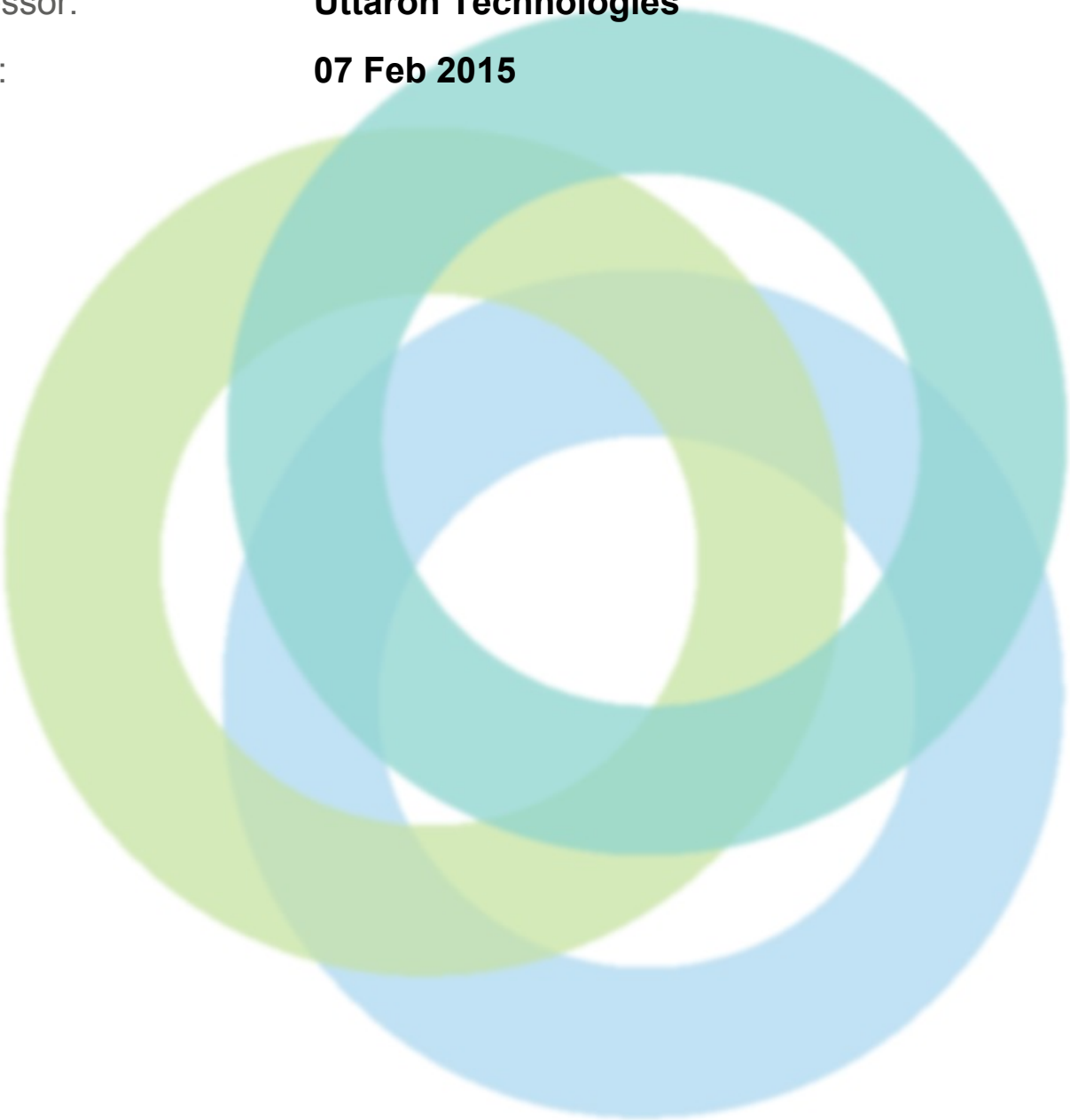


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Pioneer Knitwears (BD) Ltd Unit-2**
Address: **Jamirdia, Habirbari, Valuka, Mymensingh
Mymensingh Dhaka Bangladesh**
Assessor: **Uttaron Technologies**
Date: **07 Feb 2015**





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:	Pioneer Knitwears (BD) Ltd Unit-2
Address:	Jamirdia, Habirbari, Valuka, Mymensingh Mymensingh Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Mymensingh
Zip Code:	2240
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	7 February 2015
Final Report Date:	1 March 2015
Are all Action Items From Previous Assessment Completed?:	Yes
Buildings in Complex:	4 nos. Building and 6 nos. Tin Shed
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Building-1(5 storied) 55ft, Building-2(2 storied) 30ft (steel structure), Building-03 (1 storied) 15 ft, Building-4(6 storied) 65 ft, Tin Shed-1(22 ft), Tin Shed-2 (22 ft), Tin Shed-3(22 ft), Tin Shed-4 (22 ft), Tin Shed-5 (22 ft), Tin Shed-6 (22 ft).
Approximate Building Area (SF):	Total 315767 SF (Building-1:(4367 SF per floor), Building-2:(5663 SF per floor) (steel structure), Building-03 : (2542 SF Building-4 :(5224 SF per floor),Tin Shed-1:(33303 SF, Tin Shed-2:(33303 SF),Tin Shed-3:(63747 SF), Tin Shed-4:(63797 SF), Tin Shed-5: (27285 SF), Tin Shed-6:(27285 SF).
Date of Building Construction:	2010-2013
Date of Last Building Renovation/Addition:	N/A
Ancillary Structures in Complex:	3 Ancillary Complex (Generator, Fire pump Room & RMS Room)
Approximate Ancillary Structures Area (SF):	Total 3954 SF (Generator Room: 2504 SF, RMS Room:750 SF, Fire Pump Room: 700 SF)

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ALLIANCE
FOR BANGLADESH WORKER SAFETY

Number of Occupants:	Total 1601 Persons(Building-01: 46 Persons (GF: 14 Persons, 1st FL: Nil, 2nd FL: 03 Persons, 3rd FL: 14 Persons, 4th FL: 15), Building-02: 13 Persons (GF: 03, 1st FL: 10 Persons), Building: 03: 18 Persons (GF: 18 Persons, 1st FL: Nil), Building-04: 51 Persons (GF: 08 Persons, 1st FL: Nil, 2nd FL: 08 Persons, 3rd FL: 26, 4th FL: 09 Persons, 5th FL: Nil) Shed-01: 120 Persons, Shed-02: 120 Persons, Shed-03: 29 Persons, Shed-04: 275 Persons, Shed-05: 464 Persons, Shed-06: 464, Generator Room: 01 Person.)
Number of Ancillary Levels (Stories):	Single Storied
Occupancy Type:	Occupancy Type G2
Construction Type:	Type-2:Building-01 and Building-03, Building-04 ,Steel Structural: Building-02 and all are sheds non- rated (Building 1 & 3 are RCC Construction and bldg.2 is RCC & Steel structure . There are 6 nos. Single storied shed are Steel structure Construction & all floors are made of RCC.)
Height of Highest Occupied Floor Level Above Grade:	Building-1:(5 storied) 45ft, Building-2(2 storied) 20ft,Building-3:(1 storied) 0ft, Building-4(6 storied) 55ft,Tin Shed-1 (0ft),Tin Shed-2(0ft), Tin Shed-3(0 ft), Tin Shed-4 (0 ft), Tin Shed-5(0ft), Tin Shed-6(0 ft)



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:	Openings in rated walls are not properly protected in Generator & Transformer Room.
Source of Findings:	Photograph: Transformer room is not protected.
Suggested Plan of Action:	Provide fire-resistive rated penetration protection for rated walls and assemblies in accordance with Alliance Standard Sections 4.6 and 4.7. Consult a qualified fire protection engineer to design the required penetration systems.
Suggested Deadline Date:	31 May 2015
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:	Fire doors are not present at any RCC building. Shutter doors are present in the shed.
Source of Findings:	Photograph: Fire doors are not found at any RCC building.
Suggested Plan of Action:	Provide fire-resistive rated construction barriers and associated opening protection for exit enclosures in accordance with Alliance Standard Section 6.3.1.2. . Consult a qualified fire protection engineer to design the required rated construction barriers
Suggested Deadline Date:	31 May 2015
Standard:	Reference Alliance Standards Part 4 Section 4.5 Separation



Fire Protection Systems



Question:	Are portable fire extinguishers installed throughout the building at required locations and mounted at the correct height?
Priority Level:	Medium
Non-Compliance Level:	3
Description:	Found 490 extinguishers. (387 nos 5kg ABC & 133 nos kg CO2) whose top level height 48 inch from floor level. Fire extinguishers not installed throughout the building at middle point (travels distance) of sheds
Source of Findings:	Photograph: Fire extinguishers not installed throughout the building at middle point of sheds.
Suggested Plan of Action:	Install fire extinguishers at locations and heights based on hazard type per BNBC Part 4 and NFPA 10.
Suggested Deadline Date:	31 May 2015
Standard:	BNBC Part 4 Section 4.10 and NFPA 10
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:	Found Manual type Fire Alarm system which not monitored by a central station monitoring service and Automatic Fire Alarm system are under construction.
Source of Findings:	Photograph: Found Manual type Fire Alarm system which not monitored by a central station monitoring service.
Suggested Plan of Action:	The incomplete automatic fire alarm and detection system shall be commissioned as per approved design. The design should be approved by QAF. The system shall comply with the Alliance Standard and NFPA 72. Engage a qualified and experienced engineer for supervision of installation works for complying the Alliance standard.
Suggested Deadline Date:	31 Mar 2015
Standard:	Alliance Standard Part 5 Section 5.7.5 Monitoring
Question:	Fire extinguishers are inspected, tested, and maintained as required.
Priority Level:	Medium
Non-Compliance Level:	2
Description:	Inspected & tested documents found of portable fire extinguishers not in accordance with NFPA 10 .
Source of Findings:	Photograph: Inspected & tested documents include portable fire extinguishers.





Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for all fire extinguishers. Program must comply with the requirements of NFPA 10.
Suggested Deadline Date:	31 Aug 2015
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:	Document for standpipe ITM was provided but not according to NFPA 25.
Source of Findings:	Visual Assessment: Document for standpipe ITM was provided but not following standard.
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:	31 May 2015
Standard:	Reference NFPA 25 Chapter 6 Standpipe and Hose Systems Table 6.1.1.2
Question:	Are inspection, maintenance, and testing procedures of the fire pump documented and up to date?
Priority Level:	Low
Non-Compliance Level:	2
Description:	Document for fire pump ITM was provided but not according to NFPA 25 Chapter 8 Fire Pumps
Source of Findings:	Visual Assessment: Document for Fire ITM was provided but not following standard.
Suggested Plan of Action:	Establish an inspection, testing, and maintenance program for the fire pump. Program must comply with NFPA 25.
Suggested Deadline Date:	31 May 2015
Standard:	Reference NFPA 25 Chapter 8 Fire Pumps

Means of Egress



Question:	All doors in a means of egress are of the side-hinged swinging type.
Priority Level:	High
Non-Compliance Level:	3
Description:	Shutter type made of MS sheet gates are installed in the means of egress in every shed.
Source of Findings:	Photograph: Shutter doors.
Suggested Plan of Action:	Replace non-compliant doors and frames in the means of egress with side-swinging doors. Replacement doors shall be a minimum width of 0.8 m (32 in), and are listed, approved, self-closing, fire rated doors assemblies (door and frame) with latching panic hardware.
Suggested Deadline Date:	31 May 2015
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates
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 were not posted for any assembly or the production floor in a conspicuous space, near the main point of egress.
Source of Findings:	Photograph: Occupant loads are not posted.
Suggested Plan of Action:	Post the occupant load for all assembly and production floor areas in a conspicuous space near the main exit or exit access doorway for the space in accordance with Alliance Standard Section 6.4.4.
Suggested Deadline Date:	31 Mar 2015
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load
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:	Stair designation signs are not provided at each floor entrance from the stair to the floor.
Source of Findings:	Visual Assessment: stair designation signs are not provided at each floor entrance from the stair to the floor.





Suggested Plan of Action:	Install signage adjacent to each stair door indicating the stair name and the floor level at the noted locations in both English and Bengali.	
Suggested Deadline Date:	31 Mar 2015	
Standard:	Alliance Standard Part 6 Section 6.9 Stairs	
Fire Safety Programs		
Question:	Training programs are implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Priority Level:	Medium	
Non-Compliance Level:	2	
Description:	Training programs are not implemented and documented in accordance	
Source of Findings:	Visual Assessment: Document not found.	
Suggested Plan of Action:	Training programs should be implemented and documented in accordance with the Alliance Safety Training Curriculum.	
Suggested Deadline Date:	31 Mar 2015	
Standard:	Alliance Standards Part 13	
Question:	Fire Department pre-planning has been completed.	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Fire Department pre-planning has not been completed.	
Source of Findings:	Visual Assessment: Fire Department pre-planning has not been completed.	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	31 Mar 2015	
Standard:	Alliance Standards Part 13 Section 13.1 Fire Safety Director	