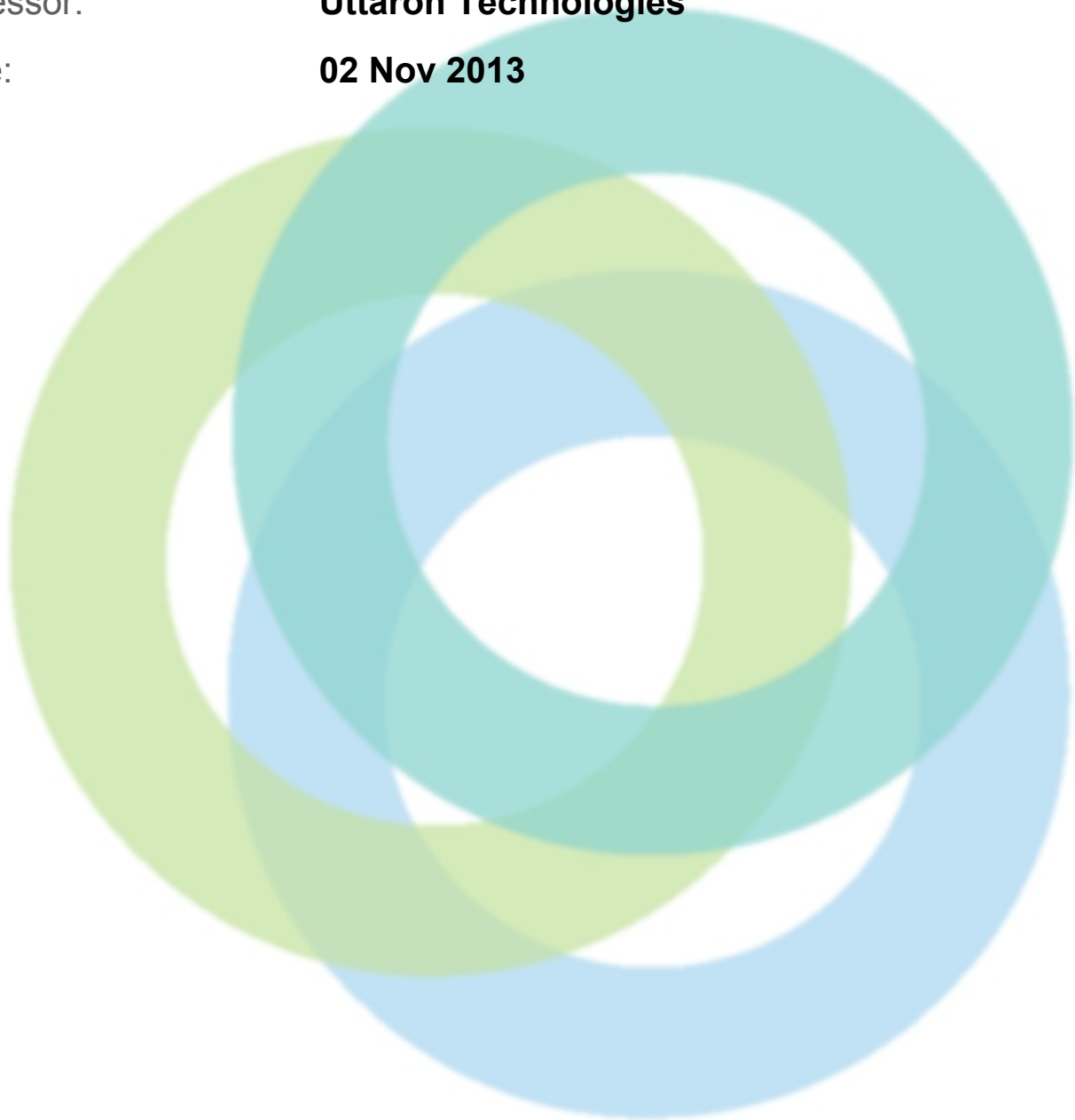


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Smart Jeans Ltd**
Address: **9/10, FIDC Road, Kalurghat Heavy I/A, Chittagong
Chittagong Chittagong Bangladesh**
Assessor: **Uttaron Technologies**
Date: **02 Nov 2013**



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:	Smart Jeans Ltd
Address:	9/10, FIDC Road, Kalurghat Heavy I/A, Chittagong Chittagong Chittagong Bangladesh
Country:	Bangladesh
Province:	Chittagong
City:	Chittagong
Zip Code:	4208
Audit Duration:	2 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	02 Nov 2013
Final Report Date:	Update once final report is complete (after all comments incorporated).
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex:	Four(1 Main Building, 3 Ancillary Buildings).
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	Main Building: 5 Stories
Approximate Building Area (SF):	Total area of the main building is 93,000 SF approx. (GF-4th: 18,600 SF in each floor).
Date of Building Construction:	The main building was constructed 20 years ago(2004), the washing building was constructed 18 years ago(2006), and the dinning building and chemical building were constructed in 2011.
Date of Last Building Renovation/Addition:	No
Ancillary Structures in Complex:	There are three ancillary structure in complex.
Approximate Ancillary Structures Area (SF):	Total area of the ancillary structure is 9,750 SF approx. Ancillary-1:(GF-2nd: 2,250 SF in each floor, Ancillary-2:(GF-1st: 6,500 SF in each floor, Ancillary-3: 3,000 SF.
Number of Occupants:	Total 2,500 occupants in the whole factory. Main building: (GF: 570, 1st:570, 2nd: 570, 3rd: 295, 4th: 295)

Factory Name: **Smart Jeans Ltd**
Address: **9/10, FIDC Road, Kalurghat Heavy I/A, Chittagong Chittagong Chittagong Bangladesh**

Assessor: **Uttaron Technologies**
Date: **02 Nov 2013**



ALLIANCE
FOR BANGLADESH WORKER SAFETY

	Ancillary: (A-1: nill, A-2: GF-100, 1st-100, A-3: Nill.
Number of Ancillary Levels (Stories):	Ancillary-1: 3 storied, Ancillary-2: 2 storied, Ancillary-3: shed building.
Occupancy Type:	All four building occupancy type is G2
Construction Type:	Floor RCC, Brick wall, roof tin shed.
Height of Highest Occupied Floor Level Above Grade:	Height of Highest Occupied Floor Level Above Grade is 40 FT (5 story , Main building), 25 FT (3 story, ancillary building), 15 FT (2 story, ancillary building), 0 FT (1 story, ancillary Shed building)



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:	Found numbers of Penetrations on the barrier walls at all floors used for steam lines and other utilities like compressed air pipes at all floors, which are not properly sealed.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Install fire-resistive sealant products to provide the required degree of protection for penetrations in rated walls and assemblies in accordance with the standard.	
Suggested Deadline Date:	16 Oct 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:	Found Sliding type made of MS sheet door of 43 inch width which are not provided with fire-resistive rated construction.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Install side-hinged swinging type door with the necessary fire resistance rating of 1 1/2 hours including door hardware; in reference to the specific position requirements in the exit enclosures (stairs). Position the door so it shall open in the direction of egress without obstructing other paths of egress.	
Suggested Deadline Date:	16 Oct 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:	The lift shaft has 10" thick RC wall having 5 hours fire resistance rating. Lift shafts also have walls having fire resistance rating of more than 2 hours. Lift with doors are fabricated with non-rated materials surrounded by RCC wall.
Source of Findings:	Visual Assessment: The lift do not have fire rated doors.
Suggested Plan of Action:	Provide fire-resistive rated opening protection and walls for the lifts in accordance with Alliance Standard Sections 4.6. Consult a qualified fire protection engineer to design the required opening, walls or penetration systems.
Suggested Deadline Date:	16 Oct 2014
Standard:	Reference Alliance Standards Part 4 Section 4.5.7.1 through 4.5.7.3
Question:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low
Non-Compliance Level:	2
Description:	No Certificates of occupancy was available during visit.
Source of Findings:	Visual Assessment: Document not found during visit
Suggested Plan of Action:	Obtain an occupancy certificate for each building and ancillary structures from the approving government authority.
Suggested Deadline Date:	01 Sep 2014
Standard:	Are certificates of occupancy provided for each building or ancillary structure?
Fire Protection Systems	
Question:	Does the building have a Standpipe System?
Priority Level:	High
Non-Compliance Level:	3
Description:	Standpipe System not found. Found 4 Nos. 2" dia. GI Riser Pipe which is not as standard.
Source of Findings:	Visual Assessment: As seen on site
Suggested Plan of Action:	Install a standpipe system at required locations designed by a qualified fire protection engineer. Standpipe system must comply with the requirements of NFPA 14.
Suggested Deadline Date:	16 Oct 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:	Fire pump not found. Provided 6 nos. of ordinary portable water supply pump for filling overhead tank.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Install a dedicated fire pump for the facility in accordance with NFPA 20. Also, to supply the demands of the connected fire protection systems along with a stored source of water sufficient to meet the demands in accordance with NFPA 22. Fire pump installation is to be tested for final acceptance in presence of Alliance and a final inspection of the installation shall be conducted by the Alliance prior to final acceptance of the installation by the Alliance as per clause 5.5.5. Acceptance testing of the installation shall be in accordance with NFPA 20, 22, and 25 testing requirements. Documentation of all testing shall be submitted to the Alliance for review prior to final acceptance by the Alliance.	
Suggested Deadline Date:	30 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:	Trouble or alarm notifications not indicated as there is no Fire indication panel installed	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Install an automatic fire alarm and detection system for the facility. System shall comply with the Alliance Standard and NFPA 72. Consult a qualified fire protection engineer and/or authorized fire alarm company to design and install the system.	
Suggested Deadline Date:	16 Aug 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:	All fire alarm system are not installed at required locations.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Install initiating devices and notification appliances as required by the Alliance Standard and NFPA 72. This includes electrical supervision of all valves controlling fire protection systems (sprinklers, fire pumps, water supplies, etc.). Connect devices to an automatic fire alarm and detection system for the facility. All fire alarm installations shall be submitted for review by the Alliance prior to commencement of installation.	
Suggested Deadline Date:	16 Oct 2014	
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:	Found automatic fire alarm 01 no. per floor audible device with emergency power supply but not monitor by a central station monitoring service.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Expand the current automatic fire detection alarm system throughout the factory in accordance with NFPA 72. Until that time a central station monitoring service or direct connection to the Fire Service and Civil Defence can be set up; a person needs to be assigned to contact the fire department in the event of fire alarm activation. An annunciator needs to be located in a constantly attended location to alert this person.	
Suggested Deadline Date:	16 Aug 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:	Siamese connection not found	
Source of Findings:	Visual Assessment: Fire department connections not found	
Suggested Plan of	Provide Fire Department (Siamese) connections in accordance with Alliance	



Action:	Standard Section 5.5.4. Connections shall match the Fire Service and Civil Defence hose thread standard.	
Suggested Deadline Date:	16 Jan 2015	
Standard:	Alliance Standard Part 5 Section 5.5.4 Fire Department Connections	
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:	Found doors are open in the working hour. The doors having locking provision.	
Source of Findings:	Visual Assessment: The doors having locking provision.	
Suggested Plan of Action:	Locking arrangement at the doors should be removed as per Alliance Standard.	
Suggested Deadline Date:	16 Oct 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	
Question:	All doors in a means of egress are of the side-hinged swinging type.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	No side-hinged swinging type door found. Sliding type made of MS sheet door of 43 inch width in the means of egress which are kept open for working time.	
Source of Findings:	Photograph: No side-hinged swinging type door found. Sliding type made of MS sheet door of 43 inch width in the means of egress which are kept open for working time.	
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:	16 Oct 2014	
Standard:	Alliance Standards Part 6 Section 6.8 Doors and Gates	



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:	3
Description:	Handrails are provided on one side of each stairway. The larger stair width is found to be 45 inch.
Source of Findings:	Photograph: As seen on site
Suggested Plan of Action:	Install an additional handrail to each stairway where only one is currently installed as per the height and distance requirements set out in the standard.
Suggested Deadline Date:	16 Jan 2015
Standard:	Alliance Standard Part 6 Section 6.9 Stairs and 6.12 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:	1
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:	Visual Assessment: Occupant loads information is not posted.
Suggested Plan of Action:	Occupant load signage should be posted for every assembly and production floor, at a conspicuous space near the main exit or exit access doorway for the space.
Suggested Deadline Date:	16 Aug 2014
Standard:	Alliance Standards Part 6 Section 6.4.4 Posting of Occupant Load



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:	The factory has not received the Alliance Safety Training Curriculum at the time of the assessment and has not conducted safety training curriculum per Alliance Standards Part 13.
Source of Findings:	Visual Assessment: Document not found



Suggested Plan of Action:	Training programs need to be implemented and documented in accordance with the Alliance Safety Training Curriculum.
Suggested Deadline Date:	16 Aug 2014
Standard:	Alliance Standards Part 13
Question:	A Fire Safety Director position has been filled.
Priority Level:	Low
Non-Compliance Level:	3
Description:	A separate Fire Safety Director's position was not created or filled at the time of the audit.
Source of Findings:	Visual Assessment: No fire safety director
Suggested Plan of Action:	Create a Fire Safety Director position and fill that position ASAP with an individual that has had sufficient training and experience to be able to carry the required duties.
Suggested Deadline Date:	15 Jan 2015
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:	3
Description:	A written housekeeping policy was not established or enforced.
Source of Findings:	Visual Assessment: Housekeeping record not found
Suggested Plan of Action:	Produce, establish and enforce a written policy and procedure for housekeeping to ensure scheduled cleaning of all floors, walls, ceilings, air ventilation systems and other building components. Ensure the timely removal of defective, waste and rubbish materials is included. 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:	15 Apr 2015
Standard:	Alliance Standards Part 13 Section 13.6 Housekeeping
Question:	Fire Department pre-planning has been completed.
Priority Level:	Low



Non-Compliance Level:	2	
Description:	Fire Department pre-planning has not been completed	
Source of Findings:	Visual Assessment: Document not found	
Suggested Plan of Action:	Complete fire department pre-planning activities with the local Fire Service and Civil Defense.	
Suggested Deadline Date:	16 Aug 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:	No hot-work permit program has been established. During visit no hot-work operation was ongoing in the facility	
Source of Findings:	Visual Assessment: No document related to hot-work permit program has been shown during this assessment.	
Suggested Plan of Action:	Develop a hot work permit program. The program must comply with the requirements of NFPA 51B.	
Suggested Deadline Date:	16 Jan 2015	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	
Question:	Smoking is only allowed at designated areas.	
Priority Level:	Low	
Non-Compliance Level:		
Description:	Smoking is prohibited according to their own notice but document is not found. 'No Smoking' sign not found.	
Source of Findings:	Visual Assessment: Document is not found.	
Suggested Plan of Action:	"Smoking shall be prohibited in any garment factory building, separate storage building, or any building or area where the Inspector of the Factories Rules (1.6.3.7) Part 53 requires that smoking be prohibited. If an Owner creates a designated smoking area outside the buildings, information on the location of these designated areas shall be posted on the signs required in 13.5.2."	
Suggested Deadline Date:	31 Aug 2014	
Standard:	Alliance Standards Part 13 Section 13.5 Smoking	

Factory Name: **Smart Jeans Ltd**
Address: **9/10, FIDC Road, Kalurghat Heavy I/A, Chittagong Chittagong Chittagong Bangladesh**

Assessor: **Uttaron Technologies**
Date: **02 Nov 2013**



ALLIANCE
FOR BANGLADESH WORKER SAFETY