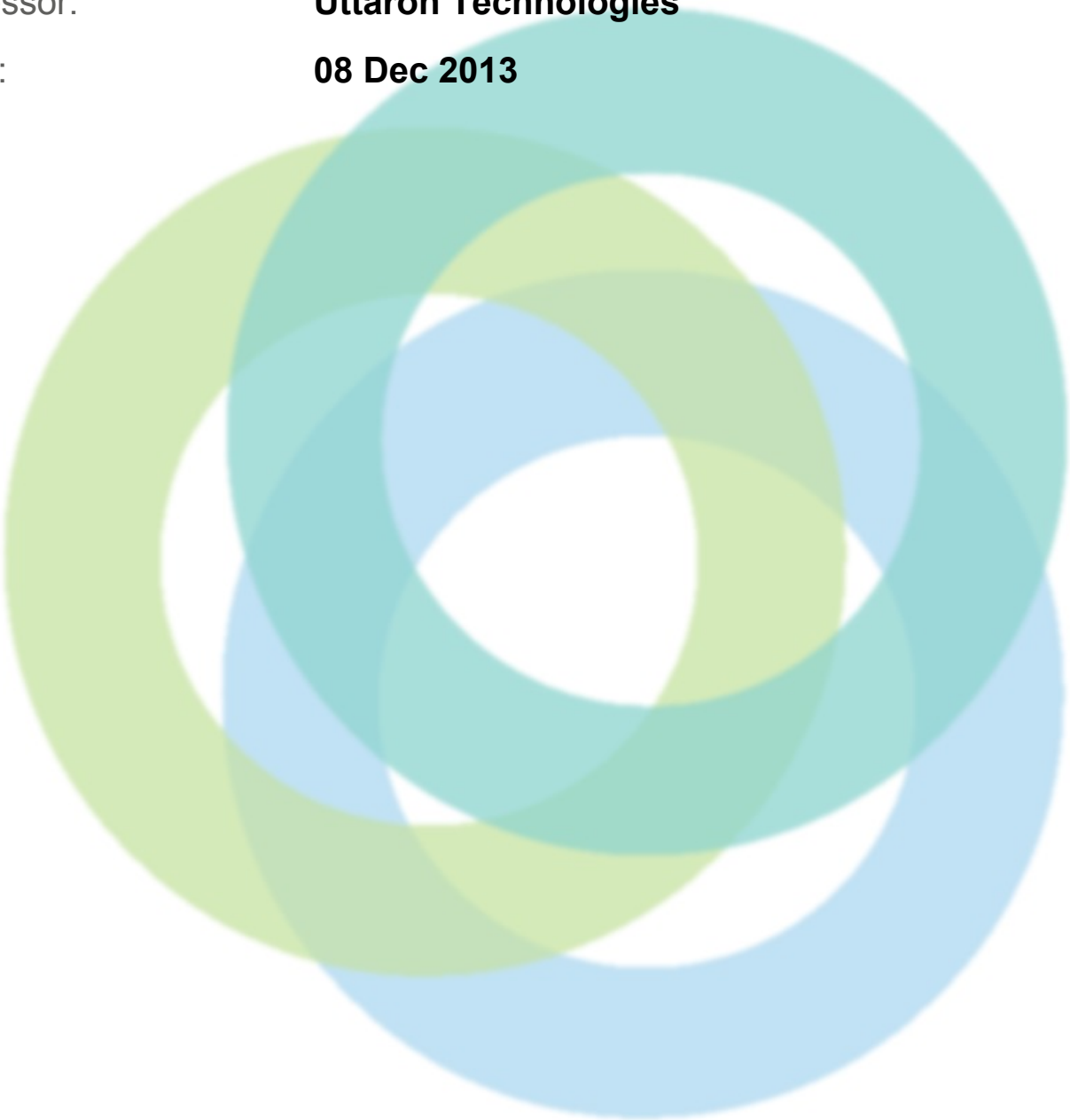


INITIAL FIRE ASSESSMENT REPORT (FAR)

Factory Name: **Tusuka Trousers Ltd**
Address: **Konabari Neelnagar, Gazipur Gazipur Dhaka
Bangladesh**
Assessor: **Uttaron Technologies**
Date: **08 Dec 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.



Factory Name: **Tusuka Trousers Ltd**
Address: **Konabari Neelnagar, Gazipur Gazipur Dhaka Bangladesh**

Assessor: **Uttaron Technologies**
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ALLIANCE
FOR BANGLADESH WORKER SAFETY

GENERAL INFORMATION

General Information	
Factory Name:	Tusuka Trousers Ltd
Address:	Konabari Neelnagar, Gazipur Gazipur Dhaka Bangladesh
Country:	Bangladesh
Province:	Dhaka
City:	Gazipur
Zip Code:	
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date:	8 Dec 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:	One
Is the building(s) owned or rented by the Factory:	Owned
Number of Building Levels (Stories):	9-Storied RC building
Approximate Building Area (SF):	Total area of the building is 163,400 SF (approx). GF-6th: 20,800 SF, 7th-8th: 8,900 SF.
Date of Building Construction:	Year of the constructed is 2004
Date of Last Building Renovation/Addition:	No
Ancillary Structures in Complex:	None
Approximate Ancillary Structures Area (SF):	None
Number of Occupants:	Total occupancy is 2500. GF: NOT USED, 1st: 400, 2nd:410, 3rd: 370, 4th: 370, 5th: 400, 6th: 350, 7th: 100,

Factory Name: **Tusuka Trousers Ltd**

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FOR BANGLADESH WORKER SAFETY

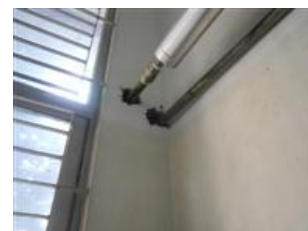
	8th: 110.
Number of Ancillary Levels (Stories):	None
Occupancy Type:	G2
Construction Type:	RCC
Height of Highest Occupied Floor Level Above Grade:	81 FT



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:	Found multiple penetrations in the barrier walls and floor slabs used for steam lines and other utilities such as compressed air, which are sealed by using available materials.
Source of Findings:	Photograph: As seen on site
Suggested Plan of Action:	Provide fire-resistive rated opening or 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 opening protectives or penetration systems.
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:	At exit enclosure found 84 inch wide Collapsible gate in the means of egress which are 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 the exit enclosures (stairs); in reference to the specific position requirements. 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:	Certificates of Occupancy for each building have been issued and are on file.
Priority Level:	Low





Non-Compliance Level:	2
Description:	No occupancy certificate was available during the assessment.
Source of Findings:	Visual Assessment: Document not found
Suggested Plan of Action:	Certificate of occupancy for each building and ancillary structures should be issued by the respective authority such as RAJUK, Local Government agency etc.
Suggested Deadline Date:	16 Jan 2015
Standard:	Are certificates of occupancy provided for each building or ancillary structure?

Fire Protection Systems

Question:	Is the building protected by an automatic sprinkler system?
Priority Level:	High
Non-Compliance Level:	3
Description:	Sprinkler system not found. Automatic sprinkler protection system is required as the building height above the finished grade is more than 75ft.
Source of Findings:	Visual Assessment: As seen on site
Suggested Plan of Action:	Install an automatic sprinkler system throughout the building designed by a qualified fire protection engineer in accordance with NFPA 13.
Suggested Deadline Date:	16 Apr 2015
Standard:	Reference Alliance Standards Part 3 Section 3.5.3 Existing Buildings, Part 5 Section 5.3 Automatic Sprinkler Systems and Section 6.13 Travel Distance

Question:	Does the building have a Standpipe System?
Priority Level:	High
Non-Compliance Level:	3
Description:	Standpipe System not found. Found 3 Nos. 2.5" dia. GI Riser Pipe which is not as standard.
Source of Findings:	Visual Assessment: As seen on site
Suggested Plan of Action:	Consult an experienced fire protection specialist to aid in the site specific design requirements for the installation of a standpipe system to meet NFPA 14. Ensure this plan is approved by a NFPA certified engineer; then purchase, install, test and commission all necessary components of the system and keep records.
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:	Trouble or alarm notifications were not indicated on the fire alarm control panel.	
Priority Level:	High	
Non-Compliance Level:	3	
Description:	Fire alarm control panel was not found & alarm notifications were not indicated.	
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:	Are fire department connections provided and clearly identified for the Fire Protection Systems?	
Priority Level:	Medium	



Non-Compliance Level:	3	
Description:	Fire department connections not found	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Provide Fire Department (Siamese) connections in accordance with Alliance 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	
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 with 19 nos. audible device with emergency power supply but not monitored by a central station monitoring service or directly connected to the Fire Service and Civil Defense	
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 inspection, maintenance, and testing procedures of the fire pump documented and up to date?	
Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Document not found during visit	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Once a dedicated fire pump is installed, establish an inspection, testing, and maintenance program for the fire pump. Program must comply with NFPA 25.	
Suggested Deadline Date:	16 Jan 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:	No side-hinged swinging type door found. Found 84 inch wide Collapsible gate in the means of egress.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	Replace with side-hinged swinging type door with the necessary fire resistance rating including door hardware relating the specific position requirements. 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:	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 2 stairway. One no stair both side found wall ,no handrail found . The largest stair width is found to be 96 inch.	
Source of Findings:	Photograph: Handrails are provided on one side of 2 stairway. One no stair both side found wall ,no handrail found . The largest stair width is found to be 96 inch.	
Suggested Plan of Action:	Provide handrails on both sides of each stairway. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).	
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 are 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:	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: As seen on site	
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.	

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FOR BANGLADESH WORKER SAFETY

Priority Level:	Low	
Non-Compliance Level:	2	
Description:	Not found any hot work practice.	
Source of Findings:	Visual Assessment: As seen on site	
Suggested Plan of Action:	A hot work permit system program shall be enacted for all RMG facilities in accordance with NFPA 51B.	
Suggested Deadline Date:	16 Jan 2015	
Standard:	Alliance Standards Part 13 Section 13.4 Hot Work Permit and NFPA 51B	