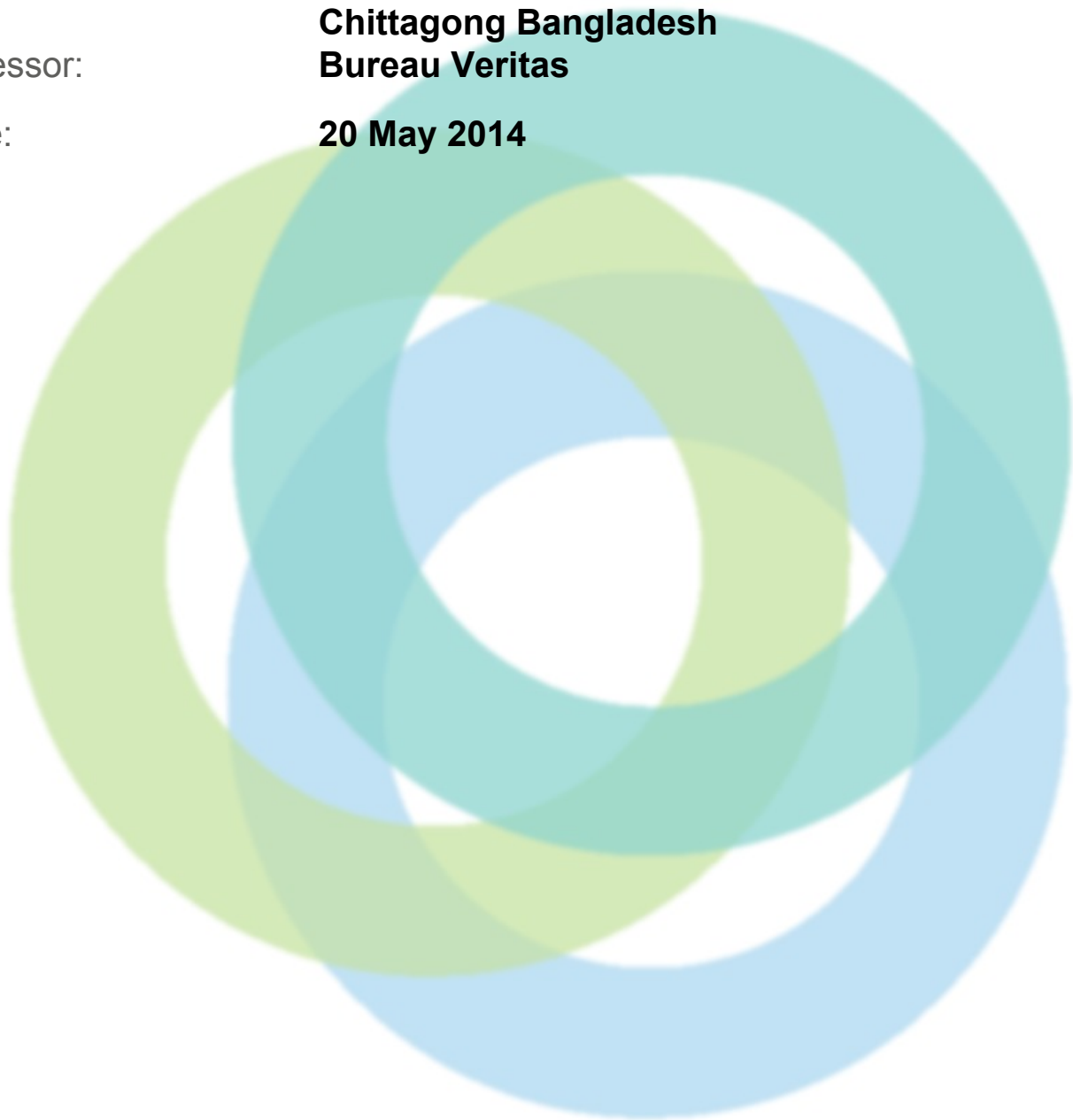


INITIAL STRUCTURAL INTEGRITY ASSESSMENT REPORT (SIAR)

Factory Name: **Intimate Apparels Ltd**
Address: **Plot 91-93, Karnaphuli EPZ, Chittagong Chittagong
Chittagong Bangladesh**
Assessor: **Bureau Veritas**
Date: **20 May 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:	Intimate Apparels Ltd
Address:	Plot 91-93, Karnaphuli EPZ, Chittagong Chittagong Chittagong Bangladesh
Country:	Bangladesh
Province:	Chittagong
City:	Chittagong
Zip Code:	4204
Audit Duration:	1 Days
Re-Audit:	Re-Audit After 0 Months
Draft Report Date :	06-01-2014
Final Report Date :	10-16-2014
Are all Action Items From Previous Assessment Completed?:	N/A
Buildings in Complex :	There are 3 buildings in the factory premises out of which one is main production building and two are ancillary buildings. The buildings are named as: 1) Three story prefab main production building, 2) Single story day care & security room, 3) Six story under construction building (5 story completed).
Number of Building Levels (Stories) :	1) Three story prefab main production building: Stories above grade: 3, Stories below grade: 0, Occupied levels: 3. 2) Single story day care & security room: Stories above grade: 1, Stories below grade: 0, Occupied levels: 1. 3) Six story under construction building (5 story completed): Stories above grade: 5, Stories below grade: 0, Occupied levels: 5.
Approximate Building Area (SF) :	Total area of buildings in the factory premises: 217603 sft. Building wise breakdown as follows: 1) Three story prefab main production building: 124120 sft (Ground floor: 31030 sft, 1st floor: 31030 sft, 2nd floor: 31030 sft Roof: 31030), 2) Single story day care & security room: 818 sft, 3) Six story under construction building (5 story completed): 92665 sft (Ground floor: 18533 sft, 1st floor: 18533 sft, 2nd floor: 18533 sft, 3rd floor: 18533 sft, 4th floor: 18533 sft).
Date of Building Construction :	Factory personnel informed the date of last building construction as follows: 1) Three story prefab main production building: Finished in 2008, 2) Single story day care & security room: Finished in 2008, 3) Six story under construction building (5 story completed): Started in January-2013.
Date of Last Building Renovation/Addition :	No any renovation/addition has been done in the structure.
Is the Building mixed use?:	No



Ancillary Structures in Complex :	1) Single story day care & security room, 2) Six story under construction building (5 story completed).
Number of Ancillary Levels (Stories) :	1) Single story day care & security room: Stories above grade: 1, Stories below grade: 0, Occupied levels: 1. 2) Six story under construction building (5 story completed) Stories above grade: 5, Stories below grade: 0, Occupied levels: 5.
Approximate Ancillary Structures Area (SF) :	1) Single story day care & security room: 818 sft, 2) Six story under construction building (5 story completed): 92665 sft (Ground floor: 18533 sft, 1st floor: 18533 sft, 2nd floor: 18533 sft, 3rd floor: 18533 sft, 4th floor: 18533 sft).
Number of Occupants :	Total number of occupants: 2457. 1) Three story prefab main production building: 2450 (Ground floor: 500, 1st floor: 975, 2nd floor: 975), 2) Single story day care & security room: 5, 3) Six story under construction building (5 story completed): 2.
Exterior Facade Description :	The building is steel frame structure with infilled masonry wall. Exterior face of the masonry wall is of plaster and paint works. The main door of the building is a steel door and the windows are of sliding glass type.
Structural System Description :	The building is braced steel structure with pile foundation.




ASSESSMENT FINDINGS

Structural System Design

Question:	Can documentation be provided that the building is compliant with the requirements for wind loading and storm surge loadings as detailed in BNBC Part 6 Section 1.5.3?
Priority Level:	Medium
Non-Compliance Level:	1
Description:	There is no clear information available on the design document to understand the consideration of wind loading and storm surge in the design of the building.
Source of Findings:	Document Review: Documents review shows that there is no clear information available on the design document to understand the consideration of wind loading and storm surge in the design of the building.
Suggested Plan of Action:	Engage a qualified structural engineer to confirm satisfactory structural performance of the buildings under wind loading.
Suggested Deadline Date:	30 Nov 2014
Standard:	2006 BNBC Part 6 Section 1.5. Compliance may be waived if the Factory Owner provides satisfactory evidence of a cyclone operations plan that includes full evacuation of the factory in advance of any approaching cyclone"

Structural System Construction

Question:	Are all non-structural elements suspended from, attached to, or resting atop the structure adequately anchored and braced to resist earthquake forces?	
Priority Level:	Medium	
Non-Compliance Level:	1	
Description:	In the ground floor and 2nd floor, there are racks which are not braced for earthquake force.	
Source of Findings:	Visual Assessment: Visual assessment shows that in the ground floor and 2nd floor, there are racks which are not braced for earthquake force.	
Suggested Plan of Action:	Adequately anchor and brace all non-structural elements to resist earthquake forces to comply with the BNBC and Alliance Standard.	
Suggested Deadline Date:	30 Nov 2014	
Standard:	Alliance Standards Part 8 Section 8.18 Seismic Bracing of Key Non-Structural Elements and 2006 BNBC Part 6	

Structural Safety Programs



Question:	Is a program in place to ensure that the live loads for which a floor or roof is or has been designed will not be exceeded?	
Priority Level:	Medium	
Non-Compliance Level:	3	
Description:	There is no program that will ensure that the designated load in each floor will not be exceeded.	
Source of Findings:	Visual Assessment: No evidence of existence of any program to control the live load on the floor as per the Floor Load Plan.	
Suggested Plan of Action:	Develop a program to ensure that all live loads for which a floor or roof has been designed for will not be exceeded. The designated Load Manager shall oversee this program and ensure it is enforced.	
Suggested Deadline Date:	30 Nov 2014	
Standard:	Alliance Standard Part 13 Section 13.7 and Part 8 Section 8.9.	
Question:	Are Floor Load Plans posted as required?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	Floor Load Plans are not posted as required.	
Source of Findings:	Visual Assessment: Visual inspection of the factory does not show Floor Load Plans being posted at each floor.	
Suggested Plan of Action:	Prepared Load Plans including the information required in Section 8.20 of the Alliance Standard and have to be posted in all required location	
Suggested Deadline Date:	30 Nov 2014	
Standard:	Alliance Standard Part 8 Section 8.20.5.3	
Question:	Are areas used for storage of work materials and work products, clearly marked to indicate the acceptable loading limits as described in the Load Plan for that floor?	
Priority Level:	Low	
Non-Compliance Level:	3	
Description:	There is no marking on the floor to designate spaces and height for storage of work materials.	
Source of Findings:	Visual Assessment: Visual assessment shows that there is no marking on the floor to designate spaces and height for storage of work materials.	
Suggested Plan of Action:	Provide signage or the appropriate markings at all areas used for storage to indicate the acceptable loading limits detailed in the Load Plan.	

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ALLIANCE
FOR BANGLADESH WORKER SAFETY

Suggested Deadline Date:	30 Nov 2014
Standard:	Alliance Standard Part 8 Section 8.11 Floor Load Markings