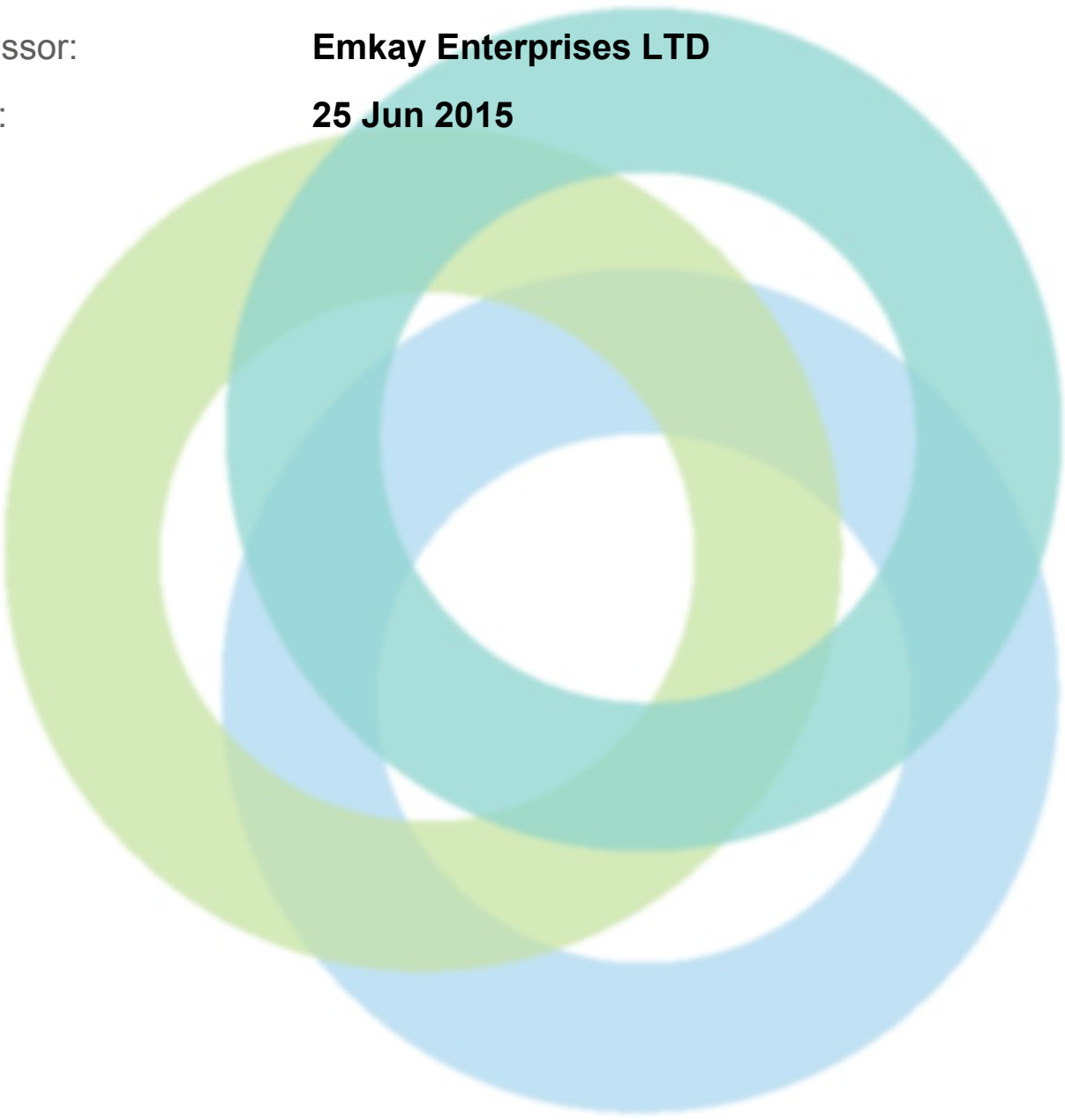


INITIAL ELECTRICAL ASSESSMENT REPORT (EAR)

Factory Name: **Noman Terry Towel Mills Ltd**
Address: **Vawal, Mirzapur, Gazipur Gazipur Dhaka Bangladesh**
Assessor: **Emkay Enterprises LTD**
Date: **25 Jun 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:	Noman Terry Towel Mills Ltd
Address:	Vawal, Mirzapur, 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 :	06/22/2015
Final Report Date :	To be filled out by the "Alliance QA" representative
Are all action items from previous assessment complete? :	N/A
Buildings in Complex :	There are 37 buildings. A. Main building: 13; B. Ancillary building: 24.
Is the building(s) owned or rented by the Factory?:	Owned
Number of Building Levels (Stories) :	01. Stitching building: 8 stories (G.F + 7); 02. Sizing & warping shed: Single story prefabricated shed; 03. Terry dyeing finishing shed: Single story prefabricated shed; 04. Yarn dyeing shed: Single story prefabricated shed with an independent mezzanine floor inside the shed; 05. Multipurpose go-down shed: Single story prefabricated shed with an independent mezzanine floor inside the shed; 06. Accessories go-down: Single story prefabricated shed; 07. Chemical go-down: Single story prefabricated shed with an independent mezzanine floor inside the shed; 08. Doubling and twisting shed: Single story prefabricated shed; 09. Shed-1 (Picanol): Single story prefabricated shed; 10. Shed-2 (Tsudakoma, Grey mending & Sectional warping): Single story prefabricated shed; 11. Shed-3 (Tsudakoma and R & D): Single story prefabricated shed; 12. Sizing & warping: Single story prefabricated shed; 13. Mending & Folding: Single story prefabricated shed.
Approximate Building Area (SF) :	Total: 1,204,063.00 SF, (Stitching building: GF: 56,900, 1st: 60,950, 2nd: 60,950, 3rd: 60,950, 4th: 60,950, 5th: 60,950, 6th: 60,950, 7th: 60,950; Sizing & warping shed: 41,500; Terry dyeing finishing shed: 151,690; Yarn dyeing shed: GF: 52,000, Mezzanine: 10,500; Multipurpose go-down shed: GF: 21,200, Mezzanine: 12,500; Accessories go-down: 7,000; Chemical go-down: GF: 8,200; Mezzanine: 4,460; Doubling and twisting shed: 53,700; Shed-1 (Picanol): 132,913; Shed-2: 88,425; Shed-3: 16,978; Sizing & warping: 100,095; Mending & Folding: 19,352).
Date of Building Construction :	01. Stitching building: 2009-2014; 02. Sizing & warping shed: 2009-2010; 03. Terry dyeing finishing shed: 2008-2010; 04. Yarn dyeing shed: 2008-2010; 05. Multipurpose go-down shed: 2009; 06. Accessories go-



	down: 2011; 07. Chemical go-down: 2009; 08. Doubling and twisting shed: 2008-2010. 09. Security office: 2011; 10. Fire pump house: 2012, 11. Boiler building: 2010; 12. Office building: 2008-2010; 13. REB sub-station: 2009 14. REB control room: 2009; 15. ETP: 2010-2011; 16. Lubricant go-down: 2014; 17. Workshop-1: 2012; 18. Workshop-2: 2012; 19. Shed-1 (Picanol): 2008; 20. Shed-2: 2008; 21. Shed-3: 2009; 22. Sizing & warping: 2008; 23. Mending & Folding: 2008; 24. Multipurpose go-down: 2008; 25. Chiller room: 2009; 26. Workshop: 2009; 27. Yarn go-down: 2009; 28. Wastage go-down: 2009; 29. Lubricant/oil room: 2009; 30. Tsudakoma grey cloth go-down: 2008; 31. Lubricant go-down: 2009; 32. Chemical go-down: 2009; 33. Boiler house: 2008; 34. Power house (Generator room): 2008; 35. Pinacol grey cloth go-down: 2008; 36. Security & time office: 2009; 37. Condense Recovery Tank: 2009.
Date of Last Building Renovation/Addition :	None
Ancillary Structures in Complex :	There is 24 ancillary buildings.
Approximate Ancillary Structures Area (SF) :	Total: 143,670.00 SF, (Security office: 600; Fire pump house: 800, Boiler building: GF: 4,785; 1st: 4,785; Office building: GF: 4,885; 1st: 4,885; REB sub-station: 4,620; REB control room: GF: 1,075, 1st: 1,075; ETP: 39,560; Lubricant go-down: 430; Workshop-1: 750; Workshop-2: 675; Multipurpose go-down: 10,332; Chiller room: 1,996; Workshop: 5,890; Yarn go-down: 5770; Wastage go-down: 1,726; Lubricant/oil room: 478; Tsudakoma grey cloth go-down: 15,068; Lubricant go-down: 2,776; Chemical go-down: 4,165; Boiler house: 3,874; Power house (Generator room): G.F: 20,131, 1st: 20,131; Pinacol grey cloth go-down: 20,988; Security & time office: 307; Condense Recovery Tank: 113).
Number of Occupants :	Total occupants: 5,806 (Stitching building: GF: 35, 1st: 923, 2nd: 976, 3rd: 761, 4th: 25, 5th: 269, 6th: Vacant, 7th: Vacant; Sizing & warping shed: 40 @ 3 shifts; Terry dyeing finishing shed: 164 @ 3 shifts; Yarn dyeing shed: 168 @ 3 shifts; Multipurpose go-down shed: 01 @ 3 shifts; Accessories go-down: 04 @ 3 shifts; Chemical go-down: 02 @ 3 shifts; Doubling and twisting shed: 90 @ 3 shifts; Security room: 05 @ 3 shifts; Fire pump house: 01, Boiler building: 01 @ 3 shifts; Office building: 28; REB sub-station: Nil; REB control room: 02; ETP: 03; Lubricant go-down: 01; Workshop-1: 15; Workshop-2: 15; Shed-1 (Picanol): 150 @ 3 shifts; Shed-2: 135 @ 3 shifts; Shed-3: 21 @ 3 shifts; Sizing & warping: 41 @ 3 shifts; Mending & Folding: 75 @ 3 shifts; Multipurpose go-down: 01 @ 3 shifts; Chiller room: 01 @ 3 shifts; Workshop: 10 @ 3 shifts; Yarn go-down: Nil; Wastage go-down: Nil; Lubricant/oil room: Nil; Tsudakoma grey cloth go-down: Nil; Lubricant go-down: Nil; Chemical go-down: Nil; Boiler house: 01 @ 3 shifts; Power house (Generator room): 06 @ 3 shifts; Pinacol grey cloth go-down: Nil; Security & time office: 02 @ 3 shifts; Condense Recovery Tank: Nil).
Provide brief description of the electrical system for each building.:	There are ten generator (8pcs ;1.5 MW each, 2pcs: 1.6 MW each) for Powering the whole facility. Description of the power distribution(section-wise) is given below: Terry Dyeing Section: Power is distributed through seven Distribution Boards (DB). Yarn Dyeing Section: Power is distributed through five Distribution Boards (DB). Weaving Shed-1: Power is distributed through six Distribution Boards (DB). Weaving Shed-2: Power is distributed through one Distribution Board (DB). Sizing Section: Power is distributed through five Distribution Boards (DB). Stitching Section: Power is distributed through five Distribution Boards (DB).
Physical location of Substation? :	Outdoor Sub Station and control room is located away from the factory buildings.
What equipment/loads does the UPS serve? :	Emergency lights, Exit signage, Fire alarm and Detection system.



ASSESSMENT FINDINGS

Electrical System Maintenance

Question:	Have workers that operate and maintain the electrical system received electrical safety training? Is training documentation on site?
Priority Level:	High
Non-Compliance Level:	
Description:	Safety training program is not conducted.
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Reference NFPA 70e for example
Question:	Is the electrical switchgear and panel boards inspected on an annual basis to ensure that the equipment is installed in accordance with the listed ratings?
Priority Level:	Medium
Non-Compliance Level:	
Description:	Records of initial testing as well as subsequent testing are not maintained onsite.
Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 10 Section 10.13.8 Electrical Inspections

Electrical System Conditions

Question:	Signage indicating the prohibition of light fixtures without protective covers is installed at required locations.
Priority Level:	Low
Non-Compliance Level:	
Description:	No signage is found.

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ALLIANCE
FOR BANGLADESH WORKER SAFETY

Source of Findings:	
Suggested Plan of Action:	
Suggested Deadline Date:	
Standard:	Alliance Standards Part 10 Section 10.15 Naked Lights