

INITIAL FIRE SAFETY INSPECTION REPORT

RELIANCE DRESSES LIMITED

RSC ID: 26400

GPS Coordinates: 22°22'25.6"N 91°47'07.8"E

Address: Biswa Colony (Block-K), Sea World Road, Akbarsha, Chattogram.

Other Factories: N/A.



Inspected By: Md. Golam Kibria

Date: 12-October-2025

Fire Safety Inspection Report

RELIANCE DRESSES LIMITED

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RELIANCE DRESSES LIMITED complex was surveyed for fire safety on **12-Oct-2025** by The RSC Inspection Team. The purpose of the survey was to identify significant fire safety issues and to provide recommendations for remediation based on applicable standards specified by the RSC. The scope of this initial fire safety inspection was limited to the review and identification of major fire safety issues. The inspection did not include identification of minor deficiencies, which will be further addressed as part of follow-up inspections.

Limitations

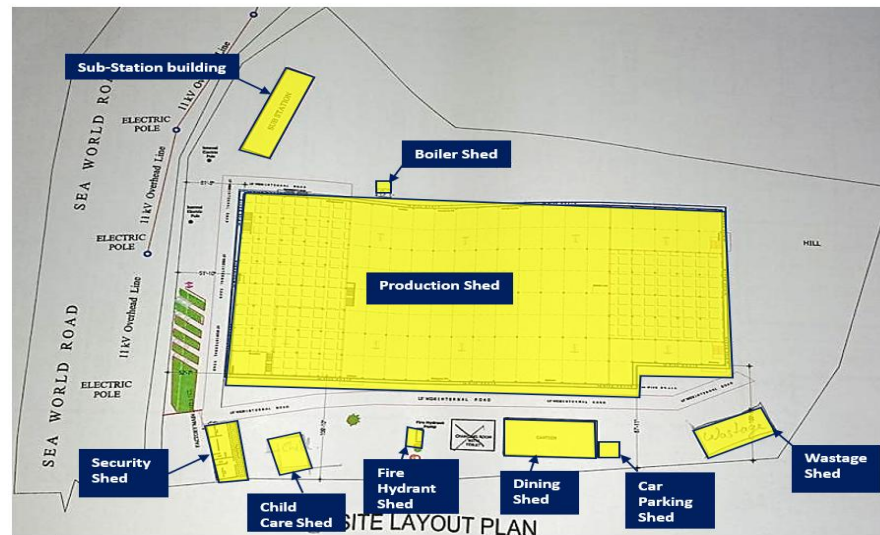
The information in this fire safety inspection report was obtained during a visit to the facility and during interviews with local factory management. It has not been possible to provide independent verification for all the information and data collected, and, therefore, The RSC cannot accept general responsibility for omissions or errors arising from inaccuracies in this report from the information obtained.

The findings and recommendations in this report are not intended to imply, guarantee, ensure or warrant compliance with any government regulations. Additionally, the results do not imply in any way that compliance with the findings or recommendations as stated in this report will eliminate all hazards, risks or exposures or that hazards, risks or exposures not referred to in this report do not exist. Compliance with the findings and recommendations stated in this report does not relieve the factory owner from obligation to comply with specific project requirements, industry standards, or the provisions of any local government regulations.

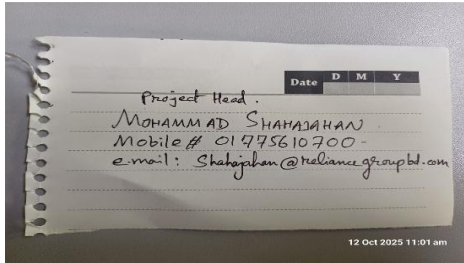

General Factory Information

SL No	Building Name	Building Construction Period	Approval Date & Authority	Occupied	Structure type & Floor area	Construction Category
1	Production Shed	Oct-2015 to Dec-2016	27-Feb-2018 from CDA, 12-Jun-2016 from DIFE.	Jun-17	Steel-(G+M) Ground floor area-85,000 sqft, Mezzanine floor area-28125 sqft. Total Area: 113,125 sqft.	Interim
2	Sub-Station Building	Oct-2015 to Dec-2016	27-Feb-2018 from CDA, 12-Jun-2016 from DIFE.	Jun-17	Single Storey RCC Floor area-1,700 sqft.	Interim
3	Dining Shed	Oct-2015 to Dec-2016	27-Feb-2018 from CDA, 12-Jun-2016 from DIFE.	Jun-17	Single Storey Shed Floor area-2,800 sqft.	Interim
4	Child Care Shed	Oct-2015 to Dec-2016	12-Jun-2016 from DIFE	Jun-17	Single Storey Shed Floor area-470 sqft.	Interim
5	Wastage Shed	Jan-2022 to Mar-2022	No Approval	Apr-22	Single Storey Shed Floor area-1,603 sqft.	New
6	Security Shed	Oct-2015 to Dec-2016	27-Feb-2018 from CDA, 12-Jun-2016 from DIFE.	Jun-17	Single Storey Shed Floor area-572 sqft.	Interim

7	Boiler Shed	Feb-2023 to Mar-2023	No Approval	Dec-23	Single Storey Shed Floor area-80 sqft.	New
8	Fire Hydrant Shed	Jan-2020 to Feb-2020	12-Jun-2016 from DIFE	Mar-20	Single Storey Shed Floor area-150 sqft.	Interim
9	Car Parking Shed	Oct-2015 to Dec-2016	No Approval	Jun-17	Single Storey Shed Floor area-300 sqft.	Interim



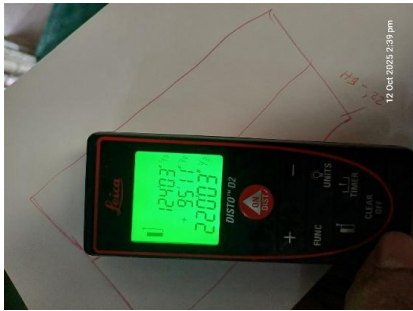
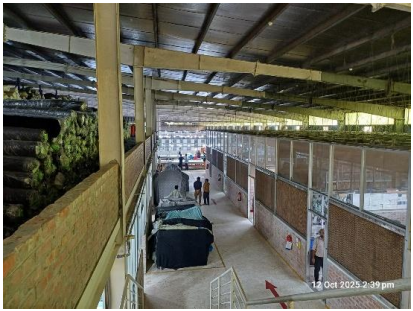
Points of contact:



<p>Mohammad Shahajahan Project Head 01775-610700 Mail : shahajahan@reliancegroupbd.com</p>	<p>M. Mizanur Rahman Asst. Manager- Fire & Electrical Safety 01828-401715 Mail : firesafety@reliancegroupbd.com</p>
	

Findings & Recommendations :

Table 1 summarize the fire safety non-compliant issues identified during the inspection. Recommendations have been provided to address each issue with specific remediation timeline. An implementation schedule shall be developed by the factory to remediate each of the findings. The specific timing of improvements, including any requested extensions due to design / installation constraints, shall be submitted to the RSC for review.

Table-1:



SI No.	Category	Findings	Required Action	Remediation Time Frame
F-01	Means of Egress	<p>The maximum travel distance exceeds 45 m which does not meet the requirements of Section 6.13 of RSC Technical Guidelines (Standard).</p> <p>Location: Production Shed Occupancy/Process: G2 Available travel distance: 220 feet. Building determination: Interim.</p>	<p>Reconfigure the egress arrangement to meet 6.13 of RSC Technical Guidelines (Standard).</p> <p>Or,</p> <p>Provide additional exits so that the travel distance shall not exceed the maximum allowable limit.</p>	Within 3 Months
 				



F-02	Means of Egress	<p>The height of guard rail is found inadequate.</p> <p>Location: Mezzanine Floors in Production Shed, Measured 26 inches.</p>	<p>Guards shall be provided at all open sides of means of egress that exceed 760 mm (30 in.) above the floor or finished ground below.</p> <p>Guards shall have a minimum height of 1067 mm (42 in.).</p> <p>Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Guard shall construct in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.</p>	Within 3 Months
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F-03	Means of Egress	<p>Aisles were found missing on several locations throughout the building.</p> <p>Location: Production Shed.</p>	<p>Provide minimum aisle widths of 36-in. Aisles mark shall be clearly visible.</p>	<p>Within 3 Months</p>
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F-04	Means of Egress	<p>Building does not have occupant load signs at required locations.</p> <p>Location: Production Shed and Dining Shed.</p>	<p>Post the occupant load for every assembly and production floor in a facility in a conspicuous space near the main exit or exit access doorway for the space in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.4.4.</p>	Within 1 Month
<div style="display: flex; justify-content: space-around;">   </div>				

F-05	Means of Egress	<p>Updated fire evacuation maps is not posted at the entrance of exits.</p> <p>Location(s): All Sheds/Buildings.</p>	<p>Update the fire evacuation map and shall be posted at the entrance to each exit in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 13.3.</p>	<p>Within 1 Month</p>
<div style="display: flex; justify-content: space-around;">   </div>				



F-06	Means of Egress	<p>Handrails are not provided on both sides of each exit stairs on all floors. Having handrails on one side of said staircase, may pose as a falling hazard during evacuation.</p> <p>Location: Production Shed, Mezzanine Area.</p>	<p>Provide handrails on both sides of the exit stair. New handrails shall have a minimum height of 865 mm (34 in.) and a maximum height of 965 mm (38 in.) as measured from the leading edge of the tread. Intermediate handrails shall be provided when the stair width exceeds 2.2 m (87 in.).</p> <p>Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Handrail shall construct in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.</p>	Within 3 Months
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F-07	Means of Egress	<p>No guard rail provided for ramp in front of the Sub-Station Building.</p> <p>Location: Sub-Station Building.</p>	<p>Guards shall be provided at all open sides of means of egress that exceed 760 mm (30 in.) above the floor or finished ground below.</p> <p>Guards shall have a minimum height of 1067 mm (42 in.).</p> <p>Open guards shall have intermediate rails or pattern such that a sphere 200 mm (8 in.) in diameter cannot pass through any opening up to a height of 865 mm (34 in.). Guard shall construct in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.12.</p>	Within 3 Months
				
F-08	Means of Egress	<p>The exterior exit stair is not separated from the building interior.</p> <p>Location: Mezzanine Floor (North) in Production Shed.</p>	<p>Nonrated walls or unprotected openings enclose the exterior of the stairway and the walls or openings are exposed by other parts of the building at an angle of less than 180 degrees (3.14 rad), the building exterior walls within 3050 mm (10 ft) horizontally of a nonrated wall or unprotected opening shall have a fire-resistance rating of not less than 1 hr. in accordance with section 6.3.1.3 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>If fire doors are required to be held open for functional reasons, provide automatic-closing devices tied to the fire alarm system.</p>	Within 3 Months

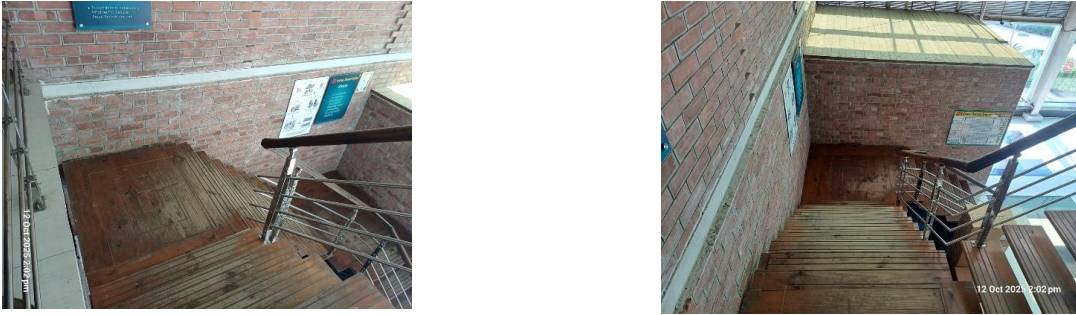


F-09	Means of Egress	<p>Headroom measured less than the 80 inches.</p> <p>Location: Mezzanine Floor (North) in Production Shed.</p> <p>Available Headroom: 60 inches.</p>	<p>All means of egress shall have a minimum ceiling height of 2.3 m (7 ft 6 in.) with projections from the ceiling not less than 2.03 m (6 ft 8 in.). The minimum ceiling height shall be maintained for at least 2/3 of the space or room as long as the remaining area shall be not less than 2.03 m (6 ft 8 in.). Headroom on stairs shall not be less than 2.03 m (6 ft 8 in.) as per RSC Technical Guideline (Standard) section of 6.3.3.</p>	Within 3 Months
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F-10	Means of Egress	<p>Sliding doors have provided along means of egress.</p> <p>Location: Production Shed, Wastage Shed.</p>	<p>Replace all collapsible/sliding/shutter type doors & gates by the side-hinged swinging type doors in accordance with section 6.8.1 of RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>All doors in a means of egress shall be of the side-hinged swinging type.</p> <p>Roll-down and sliding gates and shutters shall not be allowed. Doors serving an occupant load of more than 50 shall swing in the direction of egress travel.</p>	Within 1 Month
<div style="display: flex; justify-content: space-around;">   </div>				
F-11	Means of Egress	<p>Abrupt changes in the elevation of walking surfaces were observed, not meeting the RSC Technical Guidelines (Standard)¹ V1.0 Section 6.3.4.</p> <p>Location:</p> <p>Location: Discharge from Production Shed (North-West Side).</p>	<p>Abrupt changes in elevation of walking surfaces shall not exceed ¼ in. unless provided with a beveled slope of 1 in 2 that do not exceed ½ in. Changes greater than ½ in. shall meet the requirements for RSC Technical Guidelines (Standard)¹ V1.0 Section 6.3.5.</p>	Within 3 Months





F-12	Means of Egress	<p>The construction of stair tread and handrail do not comply with the RSC Technical Guidelines (Standard)¹ V1.0.</p> <p>Location: Production Shed (Mezzanine Floor North). Non-compliance: Wooden Tread (combustible) and Handrail.</p>	<p>The construction of stair shall comply with the RSC Technical Guidelines (Standard)¹ V1.0 Section 6.9.</p>	<p>Within 3 Months</p>
				
F-13	Inspection, Testing & Maintenance (Fire)	<p>The required no smoking signs are not present in the factory.</p>	<p>Smoking is prohibited in any garment factory building or separate storage building. Signs shall be posted in Bengali and English at all building entrances. If the factory creates a designated smoking area outside the building, information of these areas will be posted on the signs. Smoking sign shall post in accordance with section 13.5 of RSC Technical Guideline (Standard).</p>	<p>Within 1 Month</p>

F-14	Fire Rated Construction	<p>Rooms used for storage of combustible materials are not separated from the surrounding production and office areas.</p> <p>Location: Ground and Mezzanine Floors (North and South) in Production Shed.</p> <p>Non-compliance reason: Non-rated construction and opening.</p>	<p>Rooms used for storage of combustible materials shall be separated from the surrounding occupancy with a minimum 1 hour construction in accordance with section 3.4.2.1.5 of RSC Technical Guideline (Standard).</p>	Within 3 Months
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F-15	Fire Rated Construction	<p>Areas used for in-process storage of combustible materials are open to the surrounding occupancy.</p> <p>Location: Ground and Mezzanine Floor (North) in Production Shed.</p> <p>Non-compliance reason: Area more than 250 sft.</p>	<p>Provide defined storage areas and limit the storage arrangement as follows:</p> <p>Maximum height of 2.45 m and maximum area of 23 m² and is separated by a minimum 3.0 m (10ft) from other storage areas and they do not exceed 10 percent of the building area of the story in which they occur.</p> <p>or,</p> <p>If sprinkler protected, Maximum height 12 ft (3.66 m) and maximum area of 1000 ft² (93 m²) and separated by a at least 25 ft (7.62 m) and does not constitute more than 10 percent of the building area or 4000 ft² (372 m²) of the sprinklered area, whichever is greater.</p> <p>or,</p> <p>Enclose the storage area from the surrounding occupancy with a minimum 1 hour construction.</p>	Within 3 Months
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F-16	Fire Rated Construction	<p>The required fire separation distance for Production Shed does not comply with the requirements of BNBC 2006.</p> <p>Location: North Corner of Production Shed.</p>	<p>The exterior walls shall have a fire resistance and opening protection as specified in BNBC 2006, Tables 3.2.2 and Part 3 Section 2.4.1.3.</p>	Within 6 Months
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F-17	Fire Rated Construction	<p>Medical room (D1) was not separated from the production area (G2).</p> <p>Location: Ground Floor in Production Shed.</p>	<p>Separated the medical room (D1) from the production area (G2) with by minimum 3 hour fire rated separation as per table 3.2.1 of BNBC-2006.</p>	Within 3 Months
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F-18	Fire Rated Construction	<p>Prayer (E4 occupancy) area is not separated from production and office area with fire rated assemblies.</p> <p>Location: Mezzanine Floor (North) in Production Shed.</p>	<p>Separate the dining area from other occupancies with 3-hr fire rated construction, provide minimum 3-hr. rated doors for the openings and seal the unprotected penetrations.</p> <p>Provide required exits that lead directly to the street or exit stairwell or leading to a corridor or open space.</p>	Within 3 Months
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F-19	Fire Rated Construction	<p>Car Parking Shed is not separated from dining area (E4 occupancy) with fire rated assemblies.</p> <p>Location: Car Parking Shed.</p>	<p>Separate the Car Parking Shed from other occupancy as per Table 3.2.1 (BNBC 2006).</p>	Within 3 Months
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F-20	Egress Lighting	<p>Based on the number and location of emergency lights observed, adequate illumination levels are not anticipated along egress routes.</p> <p>Location(s): Production Shed, Wastage Shed, Dining Shed.</p>	<p>Test the emergency lighting system on each floor and provide additional emergency fixtures to provide adequate illumination along the means of egress. Provide a minimum illumination of 10 lux at the floor level within exit stairs and exit discharge paths and minimum 2.5 lux along exit access aisles.</p>	Within 3 Months
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F-21	Egress Lighting	<p>Directional signs are not provided where direction of the path of travel to an exit has changed.</p> <p>Location: Production Shed.</p>	<p>Illuminated directional signs shall be provided where there is a change in the direction for the path of travel and the direction to an exit is not obvious in accordance with RSC Technical Guidelines (Standard)¹ V1.0 Section 6.11.3.</p>	Within 1 Month
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F-22	Egress Lighting	<p>Exit signage not illuminated adequately during testing.</p> <p>Location: All Sheds/Buildings.</p>	<p>Regularly inspect all exit signage as per RSC Technical Guidelines (Standard)¹ V1.0. and replace/install lights as needed to illuminate signs.</p>	<p>Within 1 Month</p>
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F-23	Egress Lighting	<p>Manual on-off switch is provided for emergency lighting units.</p> <p>Location: All Sheds/Buildings.</p>	<p>Remove manual on/off switches from emergency lighting units to prevent them from being switched off.</p>	<p>Within 1 Month</p>
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F-24	Fire Alarm & Detection System (FADS)	<p>The fire alarm and detection system has been installed, which requires a detailed review to confirm the compliance with NFPA 72 and RSC Technical Guidelines (Standard).</p> <p>Location: All Sheds/Buildings.</p>	<p>Submit the as built fire alarm and detection system drawing and documents to RSC for review. Once the design is reviewed, install/modify the fire alarm and detection system throughout the building in accordance with review comment, RSC Technical Guidelines (Standard) and NFPA 72.</p> <p>After installation/modification the owner shall conduct internal testing and commissioning and then contact the RSC for witness of final acceptance testing.</p>	<p>Design within 2 Months and Modification/ Installation within 4 Months</p>
F-25	Inspection, Testing and Maintenance (ITM) of FADS.	Inspection, testing and maintenance for the fire detection and alarm system was not in accordance with standard.	Inspect, test and maintain the fire alarm system and keep written records on-site, in accordance with Table-14.3.1 of NFPA 72.	Within 1 Month (after installation)
F-26	Inspection, Testing and Maintenance (ITM) of Emergency light and Exit Sign	Inspection, testing, and maintenance for the exit sign and emergency lighting system was not in accordance with the RSC standard.	Inspect, test and maintain the exit sign and emergency lighting system in the accordance with the RSC Technical Guidelines (Standard) ¹ V1.0. Keep written records on-site.	Within 1 Month (after installation)

F-27	Inspection, Testing and Maintenance (ITM) of Fire Extinguisher	Inspection, testing and maintenance of portable fire extinguishers is not in accordance with NFPA 10.	Inspect, test and maintain the portable fire extinguishers and keep written records on- site, in accordance with NFPA 10 and RSC Technical Guidelines (Standard) ¹ V1.0.s.	Within 1 Month (after installation)
F-28	Inspection, Testing & Maintenance (Fire)	The Building approval and Machine layout plan from appropriate authority are not available at site.	Get all the required licenses and permits from the proper issuing authority and keep it at site.	Within 3 Months