

ELECTRICAL SAFETY INSPECTION REPORT

DEBONAIR LIMITED (EXTENSION)

Gorat, Ashulia, Savar, Dhaka-1341

GPS Coordinates: 23.943281, 90.304336



Factory List: DEBONAIR LIMITED, ID:10216
Orbitex Knitwear Limited, ID: 9605

Inspected by : Khitabul Islam
Report Generated by : Khitabul Islam

Inspected on: December 29, 2020

SUMMARY

The Factory was surveyed for electrical safety by RMG Sustainability Council. The purpose of the survey was to identify significant electrical safety issues and to provide recommendations for remediation based on applicable standards specified by the RSC.

Electrical Safety Audit is a methodical approach to evaluate potential electrical hazards and to recommend suggestions for improvement. The scope of this initial electrical safety inspection was limited to the review and identification of major electrical safety issues. The inspection did not include identification of minor deficiencies, which would be further dealt with as part of follow-up inspections.

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 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.

Debonair Limited (Extension) is established in its one office building (RCC, G+4) with two single storied sheds (Steel). As reported by the Factory Management, office building was constructed in around March 2016 and the production began in around March 2018. During the time of the Inspection, the factory accommodated a total of 452 workers working in this factory.

FINDINGS AND RECOMMENDATIONS

The table below summarizes the major electrical hazards identified during the walk-through inspection. Recommendations have been provided to each finding.

The 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 an approval.

FINDING NO:	E - 1	
CATEGORY:	DOCUMENTATION	
FINDING:	Field information has less reflection in existing SLD	
RECOMMENDATION:	Draw as built electrical SLD mentioning all required information by qualified engineer and get it reviewed by Accord. Electrical SLD must be updated properly when electrical system is modified.	
PRIORITY:	P2	
REMEDIATION TIME FRAME:	3 MONTHS	

SINGLE LINE DIAGRAM OF MDB-01 (NEW BUILDING/1stF)

FIGURE 1.1 (2020-01-10-02)

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FINDING NO:	E - 2	
CATEGORY:	LIGHTNING PROTECTION SYSTEM	
FINDING:	LPS drawing is not as built, Air terminals are not installed at desire height, Metal bonding not done properly and class 1 materials used at Lift Room where height more than 75fts at office building	
RECOMMENDATION:	Factory has to design Lightning Protection System (LPS) for the whole factory (where the Risk index is equal or greater than 40). Once a LPS is designed properly, installation must be done accordingly.	
PRIORITY:	P2	
REMEDIATION TIME FRAME:	3 MONTHS	



FINDING NO:	E - 3
CATEGORY:	CABLE RACEWAY & TRENCH
FINDING: End cover of BBT is missing	
RECOMMENDATION: End cover of BBT must be properly installed to avoid ingress of lint, dust or fluffs and any foreign particles.	
PRIORITY:	P3
REMEDIATION TIME FRAME:	1 MONTH



FINDING NO:	E - 4
CATEGORY:	DISTRIBUTION BOARD/PANEL
FINDING: Large exhaust fans are controlled directly by MCB	
RECOMMENDATION: Induction motor driven fans (which has high inrush current) must not be operated directly using MCB; Direct-On-Line (DoL) type control switch must be used.	
PRIORITY:	P2
REMEDIATION TIME FRAME:	1 MONTH

