General Information	
Report Issuing to-	**Chorka Textile Limited**
Project Address	Olipur, Shayestagonj, Habiganj
Date of Inspection	14th March, 2026
Date of Report Issue	15th April, 2026
Date of Expiration	14th April, 2027
Inspection Time	9:00 AM - 4:30 PM
Report Identification	**Indoor Workplace Illumination Level Assessment Report**
Report & Reference No.	EISL/ENV. /EPT/26/00051-5

Prepared By	Reviewed By
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Approved By

Md. Mahbubur Rahaman
Managing Director
EUROSIA ITC SERVICES LTD.

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Acknowledgment

Eurosia ITC Services Ltd. (EISL) is honored to have this opportunity for conducting an Environmental Parameter Test (EPT) for **Chorka Textile Limited Eurosia ITC Services Ltd (EISL)** expresses its gratitude to the Managing Director for the responsibility for conducting the Environmental Parameter Test (EPT) of **Chorka Textile Limited** Members of the **EISL** technical team were impressed with the spontaneous response received from the local people in providing information. Their contribution is gratefully recognized by **Eurosia ITC Services Ltd. (EISL)** special mention must be made to the people who had given time to respond to the different types of surveys, rapid rural appraisal, consultation meetings, and group discussions.

Thank you,

Md. Mahbubur Rahaman
Managing Director
Eurosia ITC Services Ltd (EISL)

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1 Environmental Inspection Summary

Inspection Item	Equipment Use	Measuring Range	Accuracy	Comment
Illumination Level Assessment	Lux Meter Brand: Fluke; Model: 341	0-200000	± 2%	See the Result

2 Introduction

"Well-balanced illumination is essential for the establishment of a safe and productive work environment; optimizing illumination in the industrial workplace requires a number of considerations including the type of equipment, environmental considerations, financial needs, goals, type of work, etc. Generally, factors that affect the effectiveness of illumination are quantity and quality of light, amount of flicker, amount of glare, contrast, and shadows. Each factor must be adjusted differently to optimize illumination in an emergency, safety, operations, and security situations. Industrial Lighting Standards serve to address these concerns, in addition to the plethora of other concerns associated with the design, placement, installation, and energy requirements of illumination in industrial workplaces. Eurosia ITC Services Limited has been hired to test the Indoor Light level of **Chorka Textile Limited** EUROSIA has covered the main production area of the project for inspection of the indoor light level and generated a report according to the activity occupancy of the area.

In this report, the light level has been checked for some main production areas. Production areas are the main concern of total project operation which is the reason why the report has been stated as an average of our collected Light level data.

2.1 Method of Analysis

Measurement of light level was done using direct reading instruments. During the analysis, a standard work instruction stated in the (EISL/Env/SOP-003) was followed.

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3 Result compared to following standard

Sl. No.	Assessment Area			Weather Condition	Assessment Status				
	Building	Floor	Section/Process		Obtained Value (lux)	IFC/World Bank Group	STEP OEKO-TEX	Labor Rules 2015	BNBC, 2006
01	Hlp-CTL-1	G. Floor	Dyeing Section	Sunny	686	High precision work ≈1000-3000, Precision work ≈500, Medium precision work ≈200, Occasional visual tasks only ≈100, Warehouse ≈10-50	Ironing, packing etc.-300 ≈ Cutting, sewing etc.-500 ≈ Controlling-1000	Minimum illumination level = 350 lux	Inspection Room = 450~1500, Cutting = 300~700, Sewing = 300~700, Finishing = 300~700, Office Area = 100~200, Store Area = 25~250 (lux)
02			Finishing Section	Sunny	1170				
03			Quality Section	Sunny	967				
04			R and D Section	Sunny	750				
05			Delivery Section	Sunny	475				
06			Sub-Chemical Store	Sunny	380				
07		M.Z Floor	Dyeing QC Lab	Sunny	850				
08		1st Floor	Administrative Office	Sunny	1436				
09			Conference Room	Sunny	1679				
10			R & D Display Room	Sunny	970				
11			Prayer Space	Sunny	879				
12		2nd Floor	Finished Fabrics batching Section	Sunny	838				
13		3rd Floor	Dining Room	Sunny	365				
14			Finished Fabrics batching Section	Sunny	878				
15	HIP-CTL-5	G. Floor	Dyeing Section	Sunny	846				
16			Batch Section	Sunny	825				
17			Finished Section	Sunny	1267				
18			Maintenance Section	Sunny	578				
19			Sub-Chemical Store	Sunny	398				
20		M.Z Floor	Batching Section	Sunny	767				
21		1St Floor	Finishing Section	Sunny	1265				
22			Quality Section	Sunny	950				
23			GPQ Section	Sunny	865				
24		2nd Floor	All Over Printing Section	Sunny	1280				
25		3rd Floor	Finishing Section	Sunny	1432				
26	Hlp-CTL-3	1st Floor	Continous pad pad (CPP) Dyeing	Sunny	976				
27		M.Z Floor	Conference Room-2	Sunny	1565				
28			Prayer Room-2	Sunny	578				
29		1st Floor	Yarn Store	Sunny	657				
30		2nd Floor	Yarn Store	Sunny	687				

Source: *Field Survey on 14th March, 2026*

*****Abbreviations:*** *DoE=Department of Environment; BNBC= Bangladesh National BuildingCode, IFC=International Finance Corporation; lux= Light Intensity Measuring Unit. DL= Day Ligh.*

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	Building	Floor	Section/Process		Obtained Value (lux)	IFC/World Bank Group	STEP OEKO-TEX	Labor Rules 2015	BNBC, 2006
31	Hlp-CTL-3	3rd Floor	Yarn Store	Sunny	689	High precision work ≈1000-3000, Precision work ≈500, Medium precision work ≈200, Occasional visual tasks only ≈100, Warehouse ≈10-50	Ironing, packing etc.-300 ≈ Cutting, sewing etc.-500 ≈ Controlling-1000	Minimum illumination level = 350 lux	Inspection Room = 450~1500, Cutting = 300~700, Sewing = 300~700, Finishing = 300~700, Office Area = 100~200, Store Area = 25~250 (lux)
32	HIP-CTL	G. Floor	Yarn Store	Sunny	657				
33			Grey Fabrics Store	Sunny	N/A				
34			Chemical Warehouse	Sunny	350				
35		M.Z Floor	Grey Fabrics Store	Sunny	N/A				
36		1st Floor	Knitting Section	Sunny	1325				
37		2nd Floor	Knitting Section	Sunny	1355				
38		3rd Floor	Grey Fabrics Store	Sunny	N/A				
39	HIP-CTL-Dyeing	G. Floor	Water Treatment Plant	Sunny	560				
40	HIP-Pran-Boiler	G. Floor	Steam Generation Boiler	Sunny	365				
41	HIP-Pran-power	G. Floor	Electricity Generation and Distributor	Sunny	372				
42	HIP-Pran-compressor	G. Floor	Air Supply Compressor Room	Sunny	350				
43	HIP-Pran-ETP	G. Floor	Biological ETP	Sunny	587				
44			ETP Lab	Sunny	576				
45			Sludge Storage	Sunny	N/A				
46	HIP-Pran-ETP	G. Floor	Biological ETP	Sunny	578				
47		1st Floor	ETP Lab	Sunny	578				
48		G. Floor	Sludge Storage	Sunny	N/A				
49	HIP-Pran-Chemical Shed	G. Floor	Chemical Shed	Sunny	389				
50	HIP-Pran-Non- Shed	G. Floor	Non-Hazardous Wastage Shed	Sunny	N/A				
51	HIP-Pran-sub	G. Floor	Sub Station	Sunny	772				
52	HIP-Pran-compressor room	G. Floor	Fire detection System panel Room	Sunny	829				
53	HIP-Pran-ETP	G. Floor	Fire protection System pump Room	Sunny	776				
54	HIP-Pran-Hazardous	G. Floor	Hazardous Wastage Shed	Sunny	N/A				

Source: *Field Survey on 14th March, 2026*

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	Building	Floor	Section/Process		Obtained Value (lux)	IFC/World Bank Group	STEP OEKO-TEX	Labor Rules 2015	BNBC, 2006
55	HIP-Pran-RFL-Sun health care	G. Floor	Medical Centre	Sunny	630	High precision work ≈1000-3000, Precision work ≈500, Medium precision work ≈200, Occasional visual tasks only ≈100, Warehouse ≈10-50	Ironing, packing etc.-300 ≈ Cutting, sewing etc.-500 ≈ Controlling-1000	Minimum illumination level = 350 lux	Inspection Room = 450~1500, Cutting = 300~700, Sewing = 300~700, Finishing = 300~700, Office Area = 100~200, Store Area = 25~250 (lux)
56	HIP-Pran-cs-Child Care	G. Floor	Child care Room	Sunny	420				
57	HIP-Pran-cs Canteen	G. Floor	CS Canteen	Sunny	548				
58	HIP-Pran-Cs-Worker Dormitory	G. Floor	CS Dormitory	Sunny	454				
59	CTL Main Building	G. Floor	Yarn Dyeing	Sunny	578				
60			Nylon Dyeing	Sunny	779				
61			Hydro Room	Sunny	850				
62			RF Dyeing	Sunny	760				
63			Box Dyeing	Sunny	860				
64			Dye Room	Sunny	755				
65			SP Conning	Sunny	857				
66			Hard Winding	Sunny	876				
67			Continues Dyeing	Sunny	898				
68			Distribution Area	Sunny	765				
69			Finished Goods Assembly Area	Sunny	N/A				
70		M.Z Floor	Lab Dyeing Section	Sunny	787				
71			Dyeing House Office	Sunny	1073				
72			Maintenance Office	Sunny	965				
73			Continues Dyeing Office	Sunny	1165				
74		1st Floor	Crochet Section	Sunny	1143				
75			Needle loom Section	Sunny	686				
76			Prayer Room	Sunny	432				
77			Elastic Section office	Sunny	1265				
78			Conference Room	Sunny	1587				
79			Distribution and Store Control Room	Sunny	665				
80			Jacquard Section	Sunny	1312				
81			Mini Ware House	Sunny	360				

Source: *Field Survey on 14th March, 2026*

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Sl. No.	Assessment Area			Weather Condition	Assessment Status				
	Building	Floor	Section/Process		Obtained Value (lux)	IFC/World Bank Group	STEP OEKO-TEX	Labor Rules 2015	BNBC, 2006
82	CTL Main Building	2nd Floor	Soft Winding Section	Sunny	955	High precision work ≈1000-3000, Precision work ≈500, Medium precision work ≈200, Occasional visual tasks only ≈100, Warehouse ≈10-50	Ironing, packing etc.-300 ≈ Cutting, sewing etc.-500 ≈ Controlling-1000	Minimum illumination level = 350 lux	Inspection Room = 450~1500, Cutting = 300~700, Sewing = 300~700, Finishing = 300~700, Office Area = 100~200, Store Area = 25~250 (lux)
83			Hard Winding Section	Sunny	968				
84			Covering Section	Sunny	887				
85			Drawstring Section	Sunny	745				
86			Braiding Section	Sunny	798				
87			Warping Section	Sunny	979				
88			Elastic Finishing	Sunny	1350				
89			Packing Section	Sunny	1260				
90			Women Canteen	Sunny	360				
91			Male Canteen	Sunny	355				
92		3rd Floor	Warehouse Area	Sunny	N/A				
93			FG Area	Sunny	789				
94	Utility Building	G. Floor	Generator Room	Sunny	365				
95			HT Room	Sunny	765				
96			LT Panel Sub-Station	Sunny	869				
97			Transformer Room	Sunny	387				
98	HRM Service Building	G. Floor	Waiting Section	Sunny	673				
99			Doctor's Room	Sunny	565				
100			Child Care Center	Sunny	365				
101			Dry Canteen	Sunny	443				
102			ETP Area	Sunny	586				
103	Chemical Building	G. Floor	Chemical Room	Sunny	N/A				
104	Chemical Shed	G. Floor	Chemical Area	Sunny	N/A				

Source: *Field Survey on 14th March, 2026*

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Sl. No.	Assessment Area			Weather Condition	Assessment Status				
	Building	Floor	Section/Process		Obtained Value (lux)	IFC/World Bank Group	STEP OEKO-TEX	Labor Rules 2015	BNBC, 2006
105	Building-25	Roof Top	Dining Area	Sunny	398	High precision work ≈1000-3000, Precision work ≈500, Medium precision work ≈200, Occasional visual tasks only ≈100, Warehouse ≈10-50	Ironing, packing etc.-300 ≈ Cutting, sewing etc.-500 ≈ Controlling-1000	Minimum illumination level = 350 lux	Inspection Room = 450~1500, Cutting = 300~700, Sewing = 300~700, Finishing = 300~700, Office Area = 100~200, Store Area = 25~250 (lux)
106		3rd Floor	Store	Sunny	453				
107		2nd Floor	Hard Winding Section	Sunny	897				
108			Cotton Area	Sunny	876				
109			Hard Rolling Section	Sunny	786				
110			Covering Area	Sunny	756				
111			QC Section	Sunny	879				
112			Warping Section	Sunny	987				
113			Dying Section	Sunny	870				
114			Printing Section	Sunny	768				
115		1st Floor	Dying Section	Sunny	879				
116			Jacker Section	Sunny	1298				
117			Needle Room	Sunny	657				
118		G. Floor	Office Area	Sunny	1232				

Source: *Field Survey on 14th March, 2026*

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4 Recommended Standard

Recommended Light Level Standard (BNBC)	
Area/Task/Process	**Illuminance Level (Lux)**
Inspection Room	450~1500,
Sewing	300~700
Finishing	300~700
Office Area	100~200
Store Area	25~280.

Recommended Light Level Standard (BLR)	
Area/Task/Process	**Illuminance Level (Lux)**
Minimum illumination level	350 lux

Recommended Light Level Standard (STEP OEKO-TEX)	
Area/Task/Process	**Illuminance Level (Lux)**
Spinning	
Opening bales	200
Carding, combing, flyer, singeing etc.	300
Spinning, winding, twisting etc.	500
Weaving/Knitting/Embroidery etc.	
Sizing	200
Doubling	300
Wrapping, weaving, knitting, stitching etc.	500
Controlling (fabrics, color etc.)	1000
Dyeing, printing, finishing etc.	
Sewing, washing, dyeing, finishing, ironing etc.	300
Printing, cleaning etc.	750
Controlling (fabrics, color etc.)	1000
Making up etc.	
Ironing, packing etc.	300
Cutting, sewing etc.	500
Controlling	1000

Recommended Light Level Standard (IFC/World Bank Group)	
Location / Activity	**Minimum Intensity (Lux)**
Emergency light	10
Outdoor non-working areas	20
Simple orientation and temporary visits (machine storage, warehouse)	50
Workspace with occasional visual tasks only (corridors, stairways, lobby, elevator, auditorium, etc.)	100
Medium precision work (simple assembly, rough machine works, welding, packing, etc.)	200
Precision work (reading, moderately difficult assembly, sorting, checking, medium bench and machine work, etc.), offices.	500
High precision work (difficult assembly, sewing, color inspection.	1,000 - 3,000

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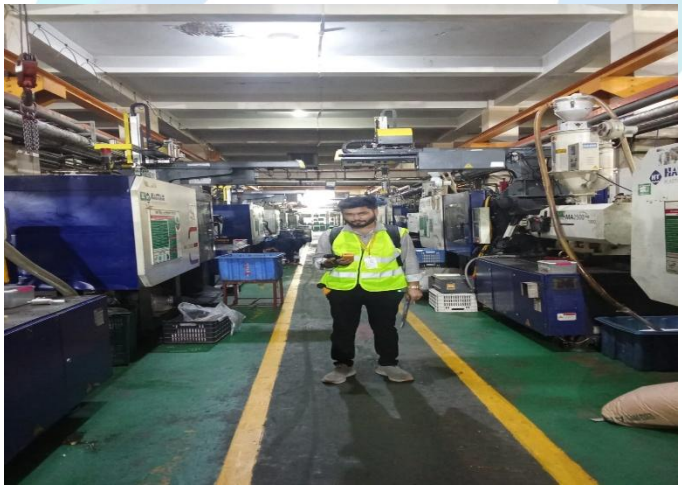
5 Some Pictorial View During Inspection







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6 BAB Certificate

GLOBAL ACCEPTANCE
BAB
BANGLADESH ACCREDITATION BOARD

ACCREDITATION CERTIFICATE

Issued under the authority of Bangladesh Accreditation Act, 2006
by Bangladesh Accreditation Board (BAB), Ministry of Industries to

Eurosia ITC Services Ltd.
Haveily Center (4th Floor), KA -11/2/A, Jagannathpur
Bashundhara Road, Vatara, Dhaka – 1229, Bangladesh

This is to certify that this
Inspection Body (Type-A)
is accredited in accordance with the international standard
ISO/IEC 17020:2012
in respect of the associated scope, subject to the terms and conditions governing the relevant conformity assessment body (CAB) accreditation.

CERT.NO.05.011.21
BAB
BANGLADESH ACCREDITATION BOARD
Accredited for ISO/IEC 17020:2012

Certificate Number	:	**05.011.21**
Accreditation Date	:	**16 June 2021**
Date of Issuance	:	**18 Aug 2024 (1st Renewal)**
Date of Expiration	:	**15 June 2027**

GLOBAL BAB ACCREDITED ACCEPTANCE

8.08.2024
Md. Anwarul Alam
Director General

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7 Comments

The result was found satisfactory in all of the sections and the workplace light level Condition is good. It is highly recommended that if the authority wants to enter these places, please bring a torchspot lamp to avoid undesirable firing.

Chorka Textile Limited has hired Eurosia ITC Services Ltd. to inspect the indoor light quality of their project. During inspection, it has been observed that, the project uses both artificial and natural light sources. However,

- For further development,
  - Number of light sources can be increased in some sections where light level found below the standard or
  - Distance between workstation and light source should be reduced.
  - Number of skylight systems should be increased.

ILO recommends the following measures to maintain efficient lighting in the workplace-

- Lighting should be sufficient to enable people to work, use facilities and move from place to place safely and without experiencing eye strain.
- Choose appropriate visual backgrounds for walls, ceilings, etc.
- Find the best place for the light source to avoid glare, etc.
- Use the most appropriate lighting devices and fixtures.
- Reduce the distance from the light source to the workstation in order to meet the minimum requirement.
- Ensure regular cleaning and maintenance of lights and windows.

The project is suggested to assess the light Quality once annually at least if all other setups are constant.

8 Conclusion

Light Level Assessment has been carried out to evaluate the surrounding environmental conditions **Chorka Textile Limited** with the highest accuracy and sincerity. A company's production is greatly affected by its management, workers' efficiency, its environment, etc. To ensure the working environment, conducting Light Level Assessment at regular intervals is essential and **Eurosia ITC Services Ltd.** is appointed by **Chorka Textile Limited** managerial body to perform Light Level Assessment. The overall condition of this inspection carried out is satisfactory and justifies the working environment is good.

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