

## JCM Sustainable Development and Safeguards Assessment Report Form

Project description	
Title	LED lighting introduction business for the sales store
Project participant (Thai)	UNIQLO (THAILAND) CO.,LTD.
Project participant (Japanese)	FAST RETAILING CO., LTD.
Project location	<p>Existing Shops</p> <ol style="list-style-type: none"> <li>1) Siam Paragon</li> <li>2) CentralPlaza Salaya</li> <li>3) CentralPlaza Chaengwattana</li> <li>4) CentralFestival Pattaya Beach</li> <li>5) Fashion Island</li> <li>6) CentralPlaza Rama 2</li> <li>7) CentralPlaza Chiangmai Airport</li> <li>8) Tesco Lotus Phuket</li> <li>9) CentralFestival Chiangmai</li> <li>10) CentralFestival Hatyai</li> <li>11) Central Plaza Bangna</li> <li>12) The Mall Bangkae</li> <li>13) The Mall Bangkok</li> </ol> <p>New shops</p> <ol style="list-style-type: none"> <li>1) Terminal 21 Pattaya</li> <li>2) CentralPlaza Nakhon Ratchasima</li> <li>3) Patanakarn</li> <li>4) CentralPlaza Mahachai</li> <li>5) Pisanulok</li> <li>6) Central Ubon Ratchathani Roadside Lasalle</li> </ol>
Latitude, longitude	<p>Existing Shops</p> <ol style="list-style-type: none"> <li>1) [13.74641 : 100.53468]</li> <li>2) [13.79072 : 100.27655]</li> <li>3) [13.90485 : 100.52831]</li> <li>4) [12.94243 : 100.88496]</li> <li>5) [13.82612 : 100.67818]</li> <li>6) [13.66420 : 100.43928]</li> <li>7) [18.76982 : 98.97455]</li> <li>8) [7.90477 : 98.36932]</li> <li>9) [7.89261 : 98.36667]</li> <li>10) [7.21575 : 100.41741]</li> <li>11) [13.67072 : 100.63467]</li> <li>12) [13.71394 : 100.40727]</li> <li>13) [13.76803 : 100.64282]</li> </ol> <p>New shops</p> <ol style="list-style-type: none"> <li>1) [12.95137 : 100.88845]</li> <li>2) [14.99693 : 102.11628]</li> <li>3) [13.73212 : 100.64874]</li> <li>4) [13.57269 : 100.28884]</li> <li>5) [16.84015 : 100.23341]</li> <li>6) [15.24004 : 104.82336]</li> <li>7) [13.65766 : 100.62322]</li> </ol>

Project status	On-going
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Report description		
Date of report completion	January 22, 2025	
Version	Ver.1.1	
Corresponding author	Name	Yuichi Hadeki
	Title	Manager
	Organization	Global Store Development Department
	Telephone	
	E-mail	

Note:

- Related figures, documents, evidence related to the description may be attached as attachment.
- In the case where there is any other relevant issue that needs to be considered, it is be specified in the last row of each area of assessment.

**Certification letter**27/01/2025

I, the undersigned, hereby certify that FAST RETAILING CO., LTD. is the author of the “Sustainable Development and Safeguards Assessment Report Form” of the project titled “LED lighting introduction business for the sales store” developed by FAST RETAILING CO., LTD. located at Bangkok, Thailand.

The report was prepared by the team members as follows:

No.	Name	Position
1	Hiroaki Okazaki	Director
2	<u>Yuichi Hadeki</u>	<u>Manager</u>
3	.....	.....

Signature

(Hiroaki Okazaki.....)

Position

Director

Seal (if any)

## Part 1: General information of the project area before project implementation

*Provide baseline information describing the conditions before project implementation. This data is essential for assessing the project's environmental, social, and economic impacts. Ensure the details are accurate and comprehensive to support a thorough evaluation.*

Area of Assessment	Description
<b>1. Environment and natural resources</b>	
1.1 Air pollution	The project is located inside stores in Bangkok. No air pollution was found in the area.
1.2 Water pollution	No surface water and ground water pollution problem were found in the area.
1.3 Soil pollution	No soil pollution was found in the area.
1.4 Noise pollution	No point sources of noise pollution were found in the area.
1.5 Odor pollution	No odor was found in the area.
1.6 Water consumption	No water consumption was found in the stores.
1.7 Solid waste/municipal solid waste	No solid waste/municipal solid waste was found in the stores.
1.8 Hazardous waste/infectious waste/electronic waste	No pollution from hazardous waste/ infectious waste /electronic waste was found in the area.
1.9 Energy (i.e. Wasted Energy, Renewable Energy)	The stores use electricity from power grid.
1.10 Land Use	Land use was not relevant because the project stores are located inside shopping malls.
1.11 Biodiversity	Biodiversity was not relevant because the project stores are located inside shopping malls.
1.12 Wild animal/ Aquatic ecosystem	No wild animal or aquatic ecosystem was found in the area.
1.13 Other (Please specify...)	
<b>2. Society</b>	
2.1 Socio-cultural characteristics	Socio cultural characteristics were those of a typical Bangkok suburb. The society comprises largely of the working class who engage in manufacturing and official work.
2.2 Health and safety	There was no major concern in terms of health and safety in the area.

Area of Assessment	Description
2.3 Traditions, cultures and/or valuable places worthy of conservation	The tradition and cultural values of the people in the area are commonly found in the central region of Thailand. There were no distinctive places of high conservation values.
2.4 Race, religion, and ethnic group	Most of the population in the area were of Thai origin who practice Buddhism.
2.5 Transportation	Primary mode of transportation in the area was private vehicles (cars, trucks and motorbikes).
2.6 Other (Please specify...)	
<b>3. Economic</b>	
3.1 Overall local economy (i.e. income, expenditure, etc.)	The local economy in the area is largely driven by the manufacturing sector.
3.2 Employment/Career	Factory workers, clerical workers.
3.3 Major agricultural activity in the area	No agricultural activity in the area is found.
3.4 Major industry in the area	Petrochemicals, Manufacturing, and Automotive.
3.5 Major service sector in the area	Hospitality (particularly restaurants) and retail are the main service sector in the area.
3.6 Basic infrastructure (i.e. road, school, etc.)	The basic infrastructure in the area included transportation (road network), utilities (electricity, water supply, waste management), healthcare as well as telecommunications.
3.7 Other (Please specify...)	

*\*Project Participant explains in detail of provenance and importance of issue consider about before project implement and specify if the project is rightful/environmental law, social, and economy. To have Negative impact assessment (Do-no-net-harm) with supporting documents.*

## Part 2 Sustainable Development Goals

### 2.1 Sustainable Development Contributions Assessment

Please mark ✓ in ☐ to identify the contributions of the proposed project to specific SDG. The project is required to contribute to **at least two SDGs, in addition to SDG13: Climate Action.**

Project Contributions to SDGs	Indicator (Please specify)	Description of Indicator
<input type="checkbox"/> SDG 1: No Poverty		
<input type="checkbox"/> SDG 2: Zero Hunger		
<input type="checkbox"/> SDG 3: Good Health and Well-being		
<input type="checkbox"/> SDG 4: Quality Education		
<input type="checkbox"/> SDG 5: Gender Equality		
<input type="checkbox"/> SDG 6: Clean Water and Sanitation		
<input type="checkbox"/> SDG 7: Affordable and Clean Energy		
<input type="checkbox"/> SDG 8: Decent Work and Economic Growth		
<input type="checkbox"/> SDG 9: Industry, Innovation and Infrastructure		
<input type="checkbox"/> SDG 10: Reduced Inequality		
<input type="checkbox"/> SDG 11: Sustainable Cities and Communities		
<input checked="" type="checkbox"/> SDG 12: Responsible Consumption and Production	Energy-Efficient Lighting Usage	Reduction of electricity consumption calculated by the difference efficiency between reference lighting and project LED lightings.
<input checked="" type="checkbox"/> SDG 13: Climate Action		
<input type="checkbox"/> SDG 14: Life Below Water		
<input type="checkbox"/> SDG 15: Life on Land		

Project Contributions to SDGs	Indicator (Please specify)	Description of Indicator
<input type="checkbox"/> SDG 16: Peace and Justice Strong Institutions		
<input checked="" type="checkbox"/> SDG 17: Partnerships to achieve the Goal	Last progress report submission date	Operational continuity of the JCM project, which mobilizes additional financial resources, disseminates low-carbon technologies, and reduces GHG emissions in Thailand

*\*Project Participant provides the description for each indicator of the selected SDGs and presents currently available datasets along with supporting documents.*

## 2.2 Details on Monitoring Parameters for Demonstrating SDG Contributions

*Provide details on how to monitor the indicators identified in Section 2.1.*

*(Tables can be added based on the number of selected SDGs.)*

SDG Number	12
SDG Target	Responsible Consumption and Production
Variable or Indicator	Energy-Efficient Lighting Usage
Duration/Frequency	Yearly
Method/Tool	Submission of annual monitoring report
Responsible person	UNIQLO (THAILAND) CO.,LTD.

SDG Number	17
SDG Target	Partnerships to achieve the Goal
Variable or Indicator	Last annual progress report submission date
Duration/Frequency	Yearly
Method/Tool	-
Responsible person	UNIQLO (THAILAND) CO.,LTD.

### Part 3 Do no net harm

#### 3.1 'Do no net harm' Risk Assessment and Safeguards

*Specify impacts and mitigation plans to mitigate negative impacts.*

Potential Impact of Project Activity	Severity Level of Impact				Description of Impact	Action Plan to mitigate harmful impacts
	None	Low	Moderate	High		
1. Impacts on Environment and Natural Resources						
1.1 Physical resources						
Water pollution	✓					
Soil pollution	✓					
Air pollution	✓					
Noise pollution	✓					
Odor pollution	✓					
Soil erosion, coastal/river erosion	✓					
Vulnerability to natural disaster	✓					
Other	✓					
1.2 Waste management						



Potential Impact of Project Activity	Severity Level of Impact				Description of Impact	Action Plan to mitigate harmful impacts
	None	Low	Moderate	High		
Increase in solid waste/municipal solid waste	✓					
Increase in hazardous waste such as waste contaminated with oil, chemicals and used oil etc.	✓					
Increase in infectious waste	✓					
Increase in electronic waste		✓			LED lighting will become electronic waste after the end of its life.	Waste LED lightings are disposed properly by waste disposal company.
Other	✓					
<b>1.3 Biological resources</b>						
Impacts on forest areas and land-use change	✓					
Loss of land and wildlife ecosystem	✓					
Loss of water resources and aquatic ecosystem	✓					

Potential Impact of Project Activity	Severity Level of Impact				Description of Impact	Action Plan to mitigate harmful impacts
	None	Low	Moderate	High		
Foraging	✓					
Food	✓					
Other	✓					
<b>1.4 Human livelihood</b>						
Water drainage or waterway diversion	✓					
Change in water consumption	✓					
Change in land ownership	✓					
Other	✓					
<b>2. Social impacts</b>						
Public security such as increase in crime risks	✓					
Health impacts	✓					
Relocation or temporary/permanent loss of land	✓					
Loss of housing	✓					

Potential Impact of Project Activity	Severity Level of Impact				Description of Impact	Action Plan to mitigate harmful impacts
	None	Low	Moderate	High		
Impact on public utilities such as electricity, telephone service etc.	✓					
Impact on traffic	✓					
Community conflict	✓					
Employment and labor	✓					
Impact on people of certain race, religion and ethnic groups	✓					
Damage to areas of high conservation value, such as religious sites, historic sites, monuments, important places of the community etc.	✓					
Impact on human rights such as education, freedom of thought, religion etc.	✓					
Gender inequality such as in employment opportunities,	✓					

Potential Impact of Project Activity	Severity Level of Impact				Description of Impact	Action Plan to mitigate harmful impacts
	None	Low	Moderate	High		
salary, promotion, benefits, termination of contract etc.						
Other	✓					
<b>3. Economic impacts</b>						
Increase unemployment /loss of income of people in local communities	✓					
Other	✓					

\*Criteria for assessing the level of impact severity

1. None: The proposed activity has no direct/indirect impacts on the environment, society and economy.
2. Low: The proposed activity causes some changes to the existing conditions but has no implication on the quality of the environment, society and economy. The impact is short-lived and temporary, and the extent of the affected area is not large (1km perimeter).
3. Moderate: The proposed activity causes some changes to the existing conditions and has implications on values or qualities of the environment, society and economy. The impact is short-lived and temporary. The extent of the affected area is large but confined to the related area (2km perimeter).
4. High: The proposed activity causes some changes to the existing conditions and has implications on value or quality of the environment, society, economy, and potentially the ecosystem. The impact is permanent and the extent of the affected area is extensive (3km perimeter).

### 3.2 Details on Monitoring Parameters for Ensuring No Negative Impacts

*Provide details on how to monitor the impacts identified in Section 3.1.*

*(Tables can be added based on the number of negative impacts identified)*

<b>Category of negative impact</b>	Impacts on Environment and Natural Resources
<b>Subcategory of negative impact</b>	Increase in electronic waste
<b>Vulnerable group</b>	Waste disposal company
<b>Possible negative impact</b>	Electronic waste emitted from LED lighting after the end of its life.
<b>Parameter/indicator</b>	Number of LED lighting replaced.
<b>Reference</b>	-
<b>Duration/frequency</b>	Yearly
<b>Method/Tools</b>	In the annual progress report, the operational status of the LED lamps can be checked from the monitoring data. If an LED is no longer able to receive power due to its lifespan or failure, it will need to be replaced, and the number of LEDs can be recorded at that point.
<b>Responsible person</b>	UNIQLO (THAILAND) CO., LTD.
<b>Expected outcome</b>	The electronic waste will not be generated in the project time.