



CP Axtra Public Company Limited

# 2024 CDP Corporate Questionnaire 2024

Word version

**Important: this export excludes unanswered questions**

This document is an export of your organization's CDP questionnaire response. It contains all data points for questions that are answered or in progress. There may be questions or data points that you have been requested to provide, which are missing from this document because they are currently unanswered. Please note that it is your responsibility to verify that your questionnaire response is complete prior to submission. CDP will not be liable for any failure to do so.

[Terms of disclosure for corporate questionnaire 2024 - CDP](#)

# Contents

## C1. Introduction

### (1.1) In which language are you submitting your response?

Select from:

English

### (1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:

THB

### (1.3) Provide an overview and introduction to your organization.

#### (1.3.2) Organization type

Select from:

Publicly traded organization

#### (1.3.3) Description of organization

*official website at [www.cpaxtra.com](http://www.cpaxtra.com) for sustainability available at <https://www.cpaxtra.com/en/sustainability/sustainability-overview> CP Axtra PCL was established in 1988 in Thailand to operate a member-based wholesale center under the brand name "Makro". CP Axtra PCL's shares have been listed on The Stock Exchange of Thailand (SET) since 1994 under the ticker symbol "MAKRO". Makro as a leading modern wholesaler in Thailand for local grocery and consumers. The sales format are stores and online delivery platform. The customer are local consumer goods retailer, distributor, grocery, professional customers of Hotel, Restuarant, Catering (HoReCa) and end consumer. In 2021, the company acquired the Lotus's and completed the Acquisition on 25 October 2021. Lotus's (Ek Chai Distribution Co.ltd) which is a leading grocery and consumer goods retailer and mall operator in Thailand and Malaysia. Later on 15 June2023, The company change the name to be CP Axtra Public Company Limited with new ticker as "CPAXT" and 1 Oct 2024, the company will completed the amalgamation then the ticker will be to "CPAXTT" instead. Both wholesales and retail business operation as the retailing company with activities of sourcing, warehouse, storage, distribution and selling at onsite store or company's online platform without production or factory, including the own brands (house brand) products are OEM products. The product selling are fresh food, dry food, grocery, daily household products.*

*[Fixed row]*

**(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.**

**(1.4.1) End date of reporting year**

12/30/2023

**(1.4.2) Alignment of this reporting period with your financial reporting period**

Select from:

Yes

**(1.4.3) Indicate if you are providing emissions data for past reporting years**

Select from:

Yes

**(1.4.4) Number of past reporting years you will be providing Scope 1 emissions data for**

Select from:

4 years

**(1.4.5) Number of past reporting years you will be providing Scope 2 emissions data for**

Select from:

4 years

**(1.4.6) Number of past reporting years you will be providing Scope 3 emissions data for**

Select from:

4 years

[Fixed row]

**(1.4.1) What is your organization's annual revenue for the reporting period?**

**(1.5) Provide details on your reporting boundary.**

**(1.5.1) Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?**

Select from:

No

**(1.5.2) How does your reporting boundary differ to that used in your financial statement?**

*The scope of CDP Disclosure covers CP Axtra and subsidiaries in Thailand both Makro and Lotus's. (92.5% of total revenue) In 2023 SD report excluded Lotus's Malaysia (Lotus's Malaysia revenue 7.5% of total revenue). The data consolidation will include Lotus's Malaysia after completing the amalgamation on 1 Oct 2024. [Fixed row]*

**(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?**

**ISIN code - bond**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**ISIN code - equity**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**CUSIP number**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

## Ticker symbol

### (1.6.1) Does your organization use this unique identifier?

Select from:

Yes

### (1.6.2) Provide your unique identifier

CPAXTT

## SEDOL code

### (1.6.1) Does your organization use this unique identifier?

Select from:

No

## LEI number

### (1.6.1) Does your organization use this unique identifier?

Select from:

No

## D-U-N-S number

### (1.6.1) Does your organization use this unique identifier?

Select from:

No

## Other unique identifier

### (1.6.1) Does your organization use this unique identifier?

Select from:

No

[Add row]

### (1.7) Select the countries/areas in which you operate.

Select all that apply

Thailand

### (1.22) Provide details on the commodities that you produce and/or source.

#### Palm oil

### (1.22.1) Produced and/or sourced

Select from:

Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

Retailing

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

No, other reason, please specify

### (1.22.11) Form of commodity

Select all that apply

Other, please specify :Cooking oil

### (1.22.12) % of procurement spend

Select from:

1-5%

### (1.22.13) % of revenue dependent on commodity

Select from:

1-10%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

No

### (1.22.19) Please explain

*cooking palm oil can be replaced with other seeding oil such as soy bean oil, coconut oil, rice bran oil etc.*

## Cattle products

### (1.22.1) Produced and/or sourced

Select from:

Sourced

### (1.22.2) Commodity value chain stage



Select all that apply

Retailing

#### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

No, the total volume is unknown

#### (1.22.11) Form of commodity

Select all that apply

Beef

#### (1.22.12) % of procurement spend

Select from:

Less than 1%

#### (1.22.13) % of revenue dependent on commodity

Select from:

Less than 1%

#### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

Yes, disclosing

#### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

No

#### (1.22.19) Please explain

raw beef for cooking. The significant meat for Thailand consumer is chicken and pork.

## Soy

### (1.22.1) Produced and/or sourced

Select from:

Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

Retailing

### (1.22.3) Indicate if you have direct soy and/or embedded soy in your value chain

Select from:

Direct soy only

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

No, the total volume is unknown

### (1.22.11) Form of commodity

Select all that apply

Soybean oil

Soy derivatives

### (1.22.12) % of procurement spend

Select from:

Less than 1%

### (1.22.13) % of revenue dependent on commodity

Select from:

- Less than 1%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

- Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

- No

### (1.22.19) Please explain

*The soy product i.e tofu, soy bean sauce, soy sauce, soy bean cooking oil.*

## Cocoa

### (1.22.1) Produced and/or sourced

Select from:

- Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

- Retailing

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

- No, the total volume is unknown

### (1.22.11) Form of commodity

Select all that apply

- Other, please specify :cocoa powder

### (1.22.12) % of procurement spend

Select from:

- Less than 1%

### (1.22.13) % of revenue dependent on commodity

Select from:

- Less than 1%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

- Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

- No

### (1.22.19) Please explain

*cocoa powder for beverage and baking.*

### **Coffee**

### (1.22.1) Produced and/or sourced

Select from:

- Sourced

### (1.22.2) Commodity value chain stage

Select all that apply

- Retailing

### (1.22.4) Indicate if you are providing the total commodity volume that is produced and/or sourced

Select from:

- No, the total volume is unknown

### (1.22.11) Form of commodity

Select all that apply

- Other, please specify :coffee bean & powder

### (1.22.12) % of procurement spend

Select from:

- Less than 1%

### (1.22.13) % of revenue dependent on commodity

Select from:

- Less than 1%

### (1.22.14) In the questionnaire setup did you indicate that you are disclosing on this commodity?

Select from:

- Yes, disclosing

### (1.22.15) Is this commodity considered significant to your business in terms of revenue?

Select from:

- No

## (1.22.19) Please explain

*coffee power and bean for consumers.*  
*[Fixed row]*

## (1.24) Has your organization mapped its value chain?

### (1.24.1) Value chain mapped

*Select from:*

Yes, we have mapped or are currently in the process of mapping our value chain

### (1.24.2) Value chain stages covered in mapping

*Select all that apply*

Upstream value chain

### (1.24.3) Highest supplier tier mapped

*Select from:*

Tier 1 suppliers

### (1.24.4) Highest supplier tier known but not mapped

*Select from:*

Tier 2 suppliers

### (1.24.6) Smallholder inclusion in mapping

*Select from:*

Smallholders relevant and included

### (1.24.7) Description of mapping process and coverage

1. Product Sourcing Select high-quality product complied with standards and ESG Criteria to all tier 1 suppliers and all critical tier 2. 2. Distribution Select high-quality product complied with standards and ESG Criteria. Efficient delivery product to-from distribution centers without negative environmental impact to communities 3. Selling Retail business (Lotus's) and Wholesale business (Makro) in both onsite and online channel. 4. Marketing and after sales services Branding, ethical marketing, customer rights including sales services to creating a great experience shopping to customer  
 [Fixed row]

**(1.24.1) Have you mapped where in your direct operations or elsewhere in your value chain plastics are produced, commercialized, used, and/or disposed of?**

	Plastics mapping	Value chain stages covered in mapping
	Select from: <input checked="" type="checkbox"/> Yes, we have mapped or are currently in the process of mapping plastics in our value chain	Select all that apply <input checked="" type="checkbox"/> Upstream value chain <input checked="" type="checkbox"/> Downstream value chain

[Fixed row]

**(1.24.2) Which commodities has your organization mapped in your upstream value chain (i.e., supply chain)?**

**Palm oil**

**(1.24.2.1) Value chain mapped for this sourced commodity**

Select from:

Yes

**(1.24.2.2) Highest supplier tier mapped for this sourced commodity**

Select from:

Tier 1 suppliers

### (1.24.2.3) % of tier 1 suppliers mapped

Select from:

100%

### (1.24.2.7) Highest supplier tier known but not mapped for this sourced commodity

Select from:

Tier 2 suppliers

## Cattle products

### (1.24.2.1) Value chain mapped for this sourced commodity

Select from:

Yes

### (1.24.2.2) Highest supplier tier mapped for this sourced commodity

Select from:

Tier 1 suppliers

### (1.24.2.3) % of tier 1 suppliers mapped

Select from:

100%

### (1.24.2.7) Highest supplier tier known but not mapped for this sourced commodity

Select from:

Tier 2 suppliers

## Soy



### (1.24.2.1) Value chain mapped for this sourced commodity

Select from:

Yes

### (1.24.2.2) Highest supplier tier mapped for this sourced commodity

Select from:

Tier 1 suppliers

### (1.24.2.3) % of tier 1 suppliers mapped

Select from:

100%

### (1.24.2.7) Highest supplier tier known but not mapped for this sourced commodity

Select from:

Tier 2 suppliers

## Cocoa

### (1.24.2.1) Value chain mapped for this sourced commodity

Select from:

Yes

### (1.24.2.2) Highest supplier tier mapped for this sourced commodity

Select from:

Tier 1 suppliers

### (1.24.2.3) % of tier 1 suppliers mapped

Select from:

100%

### (1.24.2.7) Highest supplier tier known but not mapped for this sourced commodity

Select from:

Tier 2 suppliers

## Coffee

### (1.24.2.1) Value chain mapped for this sourced commodity

Select from:

Yes

### (1.24.2.2) Highest supplier tier mapped for this sourced commodity

Select from:

Tier 1 suppliers

### (1.24.2.3) % of tier 1 suppliers mapped

Select from:

100%

### (1.24.2.7) Highest supplier tier known but not mapped for this sourced commodity

Select from:

Tier 2 suppliers

[Fixed row]

## **C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities**

**(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?**

### **Short-term**

**(2.1.1) From (years)**

1

**(2.1.3) To (years)**

5

**(2.1.4) How this time horizon is linked to strategic and/or financial planning**

*Establish the governance, structure and enhance knowledge of ESG also included climate-related metrics as part of its senior executives' key performance as part of the Company's long-term incentive plan. Contributions of performance indicators for energy efficiency and other carbon neutral initiatives ranges from 10-25% of total performance indicators.*

### **Medium-term**

**(2.1.1) From (years)**

6

**(2.1.3) To (years)**

10

**(2.1.4) How this time horizon is linked to strategic and/or financial planning**

plan to achieve carbon neutral with reduce the scope 1-2 at least 45%, reduce water withdrawal 20% and zero deforestation.

## Long-term

### (2.1.1) From (years)

30

### (2.1.2) Is your long-term time horizon open ended?

Select from:

Yes

### (2.1.4) How this time horizon is linked to strategic and/or financial planning

to achieve net zero emission, and net positive for biodiversity and forestation. zero food waste & waste to landfill. 20% water consumption reduction compared to 2020 baseline year.

[Fixed row]

## (2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?

	Process in place	Dependencies and/or impacts evaluated in this process
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both dependencies and impacts

[Fixed row]

**(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?**

	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both risks and opportunities	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(2.2.2) Provide details of your organization’s process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.**

**Row 1**

**(2.2.2.1) Environmental issue**

Select all that apply

- Climate change

**(2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (2.2.2.3) Value chain stages covered

*Select all that apply*

- Direct operations
- Upstream value chain
- Downstream value chain

### (2.2.2.4) Coverage

*Select from:*

- Partial

### (2.2.2.5) Supplier tiers covered

*Select all that apply*

- Tier 1 suppliers

### (2.2.2.7) Type of assessment

*Select from:*

- Quantitative only

### (2.2.2.8) Frequency of assessment

*Select from:*

- Every two years

### (2.2.2.9) Time horizons covered

*Select all that apply*

- Short-term
- Medium-term
- Long-term

### (2.2.2.10) Integration of risk management process

Select from:

- Integrated into multi-disciplinary organization-wide risk management process

### (2.2.2.11) Location-specificity used

Select all that apply

- Site-specific

### (2.2.2.12) Tools and methods used

#### International methodologies and standards

- IPCC Climate Change Projections

#### Other

- Scenario analysis

### (2.2.2.13) Risk types and criteria considered

#### Acute physical

- Drought
- Landslide
- Wildfires
- Heat waves
- Cyclones, hurricanes, typhoons
- Flood (coastal, fluvial, pluvial, ground water)
- Storm (including blizzards, dust, and sandstorms)

#### Chronic physical

- Coastal erosion

### (2.2.2.14) Partners and stakeholders considered

Select all that apply

- NGOs
- Customers
- Employees
- Investors
- Suppliers
- Regulators
- Local communities

### (2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- Yes

### (2.2.2.16) Further details of process

*Step 1: Identification of risk/opportunity drivers CP Aextra conducted a desktop review of the latest climate-related policies, regulations, market trends and historical hazard events in the Company's countries of operation. CP Aextra also reviewed the risks and opportunities reported by its peers to identify and shortlist the risk and opportunity drivers potentially most relevant to the Company's business and operation. Note that the Company has taken into account the eight types of corporate risks from its Enterprise Risk Management Manual in the identification of climate-related risk and opportunity drivers to enhance the alignment of its climate risk management with the corporate's overall risk management system. Step 2: Scenario analysis Having shortlisted the climate-related drivers, CP Aextra conducted internal consultations through a workshop to seek people's views on the magnitude and likelihood of impact from each driver towards short-term, medium-term, and long-term time horizons. The exercise allows the Company to plot the drivers on a risk matrix that informs the comparative significance of each driver to CP Aextra's business between a base case (i.e., high-emissions) scenario and a low-emissions scenario. Each driver was subsequently assigned with an indicator from external climate scenarios. Scenario data were fed into CP Aextra's assessment to allow for the integration of an objective perspective based on science. The results were normalized and presented as a heatmap to inform the relative materiality of each driver to CP Aextra's business. Step 3: Implication analysis Once the drivers and their materiality were identified and assessed, CP Aextra reviewed and identified the implications of each driver on various aspects of the Company's business, from the upstream supply chain to downstream customers. The Company also discussed the mitigation measures currently in place or planned in the future among internal stakeholders. The key findings of this discussion enabled CP Aextra to formulate a climate strategy framework and action plan. more detail pls see TCFD report page 4-5 at <https://www.cpaxtra.com/storage/document/tcfid-reports/2023/tcfid-report-en.pdf>*

## Row 2

### (2.2.2.1) Environmental issue

Select all that apply

- Water



### (2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

*Select all that apply*

- Dependencies
- Impacts
- Risks

### (2.2.2.3) Value chain stages covered

*Select all that apply*

- Direct operations
- Upstream value chain

### (2.2.2.4) Coverage

*Select from:*

- Partial

### (2.2.2.5) Supplier tiers covered

*Select all that apply*

- Tier 1 suppliers

### (2.2.2.7) Type of assessment

*Select from:*

- Qualitative only

### (2.2.2.8) Frequency of assessment

*Select from:*

- Annually

### (2.2.2.9) Time horizons covered

*Select all that apply*

- Short-term
- Medium-term
- Long-term

### (2.2.2.10) Integration of risk management process

*Select from:*

- Integrated into multi-disciplinary organization-wide risk management process

### (2.2.2.11) Location-specificity used

*Select all that apply*

- Site-specific

### (2.2.2.12) Tools and methods used

#### **Commercially/publicly available tools**

- WRI Aqueduct

### (2.2.2.13) Risk types and criteria considered

#### **Chronic physical**

- Water stress

#### **Policy**

- Changes to international law and bilateral agreements
- Increased pricing of water
- Mandatory water efficiency, conservation, recycling, or process standards

## Market

- Inadequate access to water, sanitation, and hygiene services (WASH)

### (2.2.2.14) Partners and stakeholders considered

Select all that apply

- NGOs
- Customers
- Employees
- Investors
- Suppliers
- Regulators
- Local communities
- Water utilities at a local level

### (2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- Yes

### (2.2.2.16) Further details of process

*Annually monitoring by applying the aqueduct water risk mapping tool to review risk and impact to 100% of own operation sites and 100% of critical tier 1. In 2023, the Company discovered that 70% of own operation and 87% of critical tier 1 suppliers that consume water from water stress areas. The Company also monitoring the effective water management to increase water usage efficiency and transparency, closely monitoring risk assessments with local authorities, expanding the database to monitor water usage, and applying natural water resources for causes that create better value for risk areas. Altogether the data are analyzed for urgently enhance water saving program to high-risk site and agricultural products suppliers especially High land area. see detail on Annual report 2023 page 173-176 <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023>*

## Row 3

### (2.2.2.1) Environmental issue

Select all that apply

- Biodiversity

### (2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

*Select all that apply*

- Dependencies
- Impacts
- Risks
- Opportunities

### (2.2.2.3) Value chain stages covered

*Select all that apply*

- Direct operations
- Upstream value chain

### (2.2.2.4) Coverage

*Select from:*

- Partial

### (2.2.2.5) Supplier tiers covered

*Select all that apply*

- Tier 1 suppliers

### (2.2.2.7) Type of assessment

*Select from:*

- Qualitative only

### (2.2.2.8) Frequency of assessment

*Select from:*

- Every three years or more

### (2.2.2.9) Time horizons covered

*Select all that apply*

- Short-term
- Medium-term

### (2.2.2.10) Integration of risk management process

*Select from:*

- Integrated into multi-disciplinary organization-wide risk management process

### (2.2.2.11) Location-specificity used

*Select all that apply*

- Site-specific

### (2.2.2.12) Tools and methods used

#### **Commercially/publicly available tools**

- IBAT for Business
- WWF Biodiversity Risk Filter

### (2.2.2.13) Risk types and criteria considered

#### **Acute physical**

- Cyclones, hurricanes, typhoons
- Flood (coastal, fluvial, pluvial, ground water)
- Heat waves
- Landslide
- Wildfires

#### **Chronic physical**

- Change in land-use

- Changing temperature (air, freshwater, marine water)
- Declining ecosystem services
- Water stress

#### **Policy**

- Changes to national legislation
- Increased difficulty in obtaining operations permits

#### **Market**

- Changing customer behavior
- Other market, please specify :growth of digital marketplaces

#### **Reputation**

- Increased partner and stakeholder concern and partner and stakeholder negative feedback

### **(2.2.2.14) Partners and stakeholders considered**

*Select all that apply*

- |                                               |                                                                                      |
|-----------------------------------------------|--------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> NGOs      | <input checked="" type="checkbox"/> Regulators                                       |
| <input checked="" type="checkbox"/> Customers | <input checked="" type="checkbox"/> Local communities                                |
| <input checked="" type="checkbox"/> Employees | <input checked="" type="checkbox"/> Indigenous peoples                               |
| <input checked="" type="checkbox"/> Investors | <input checked="" type="checkbox"/> Other commodity users/producers at a local level |
| <input checked="" type="checkbox"/> Suppliers |                                                                                      |

### **(2.2.2.15) Has this process changed since the previous reporting year?**

*Select from:*

- Yes

### **(2.2.2.16) Further details of process**

*Refer to framework and methodologies from TNFD and analytical tools from IBAT and WWF Biodiversity Risk Filter to assess biodiversity risk location. Including review, the latest nature and biodiversity-related policies and regulations i.e UNESCO World Heritage, and IUCN., market trends and historical hazard events. The*

location specific approach are applied for assessment are own operation, adjacent areas to own operations (0-5 kms), upstream and downstream activities with Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter. Also reviewed the risks and opportunities reported by its peers to identify and shortlist and opportunity drivers potentially most relevant to The company's business and operation. The physical and transition risks from each driver towards short-term, medium-term, and long-term time horizons inform the comparative significance of each driver to CP Aextra's business. Each driver was subsequently assigned with an indicator from external nature and biodiversity scenarios. The results were normalized and presented as a heatmap to inform the relative materiality of each driver to business The company has integrated biodiversity risk and opportunity into the multi-disciplinary company-wide risk management processes of corporate risks that shown on company's website at Enterprise Risk Management Manual in the identification to enhance and align the biodiversity risk and opportunity with the corporate's overall risk management system. more detail pls see TNFD report page 6-7 at <https://www.cpaxtra.com/storage/document/tnfd-reports/2024/tnfd-report-en.pdf>

[Add row]

## **(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?**

### **(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed**

Select from:

Yes

### **(2.2.7.2) Description of how interconnections are assessed**

*Extreme weather due to climate change as heat wave, frequency of Floods, extreme winds, and storms increasing the risk of physical damage to infrastructure. increased capital expenditure and operating costs, and reduced revenue as a result the store can not open to service. By 2050, around one third of the assessed real estates and over half of the assessed distribution centers are exposed to a 'High' or 'Very High' risk of flooding while 10% of the assessed distribution centers are potentially exposed to a 'High' or 'Very High' risk of water stress. A lower availability of water may heighten potential financial risk by food scarcity, increasing operating costs, higher price for water supply and reducing revenue by limited store operation hours according to water supply shortage. The ecosystem and biodiversity trend to impact upstream supplier i.e agricultural products and food & beverage manufacturing caused the higher cost and food scarcity. Including, regulation risk to financial performance i.e Carbon tax or limited operation permit caused the new conservation area.*

[Fixed row]

## **(2.3) Have you identified priority locations across your value chain?**

### **(2.3.1) Identification of priority locations**

Select from:

Yes, we have identified priority locations

### (2.3.2) Value chain stages where priority locations have been identified

Select all that apply

- Direct operations
- Upstream value chain

### (2.3.3) Types of priority locations identified

#### Sensitive locations

- Areas important for biodiversity
- Areas of importance for ecosystem service provision

#### Locations with substantive dependencies, impacts, risks, and/or opportunities

- Locations with substantive dependencies, impacts, risks, and/or opportunities relating to water
- Locations with substantive dependencies, impacts, risks, and/or opportunities relating to biodiversity

### (2.3.4) Description of process to identify priority locations

*Refer to framework and methodologies from TNFD and analytical tools from IBAT and WWF Biodiversity Risk Filter to assess biodiversity risk location. Including review, the latest nature and biodiversity-related policies and regulations i.e UNESCO World Heritage, and IUCN., market trends and historical hazard events. The location specific approach are applied for assessment are own operation, adjacent areas to own operations (0-5 kms), upstream and downstream activities with Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter. Also reviewed the risks and opportunities reported by its peers to identify and shortlist and opportunity drivers potentially most relevant to The company's business and operation. The physical and transition risks from each driver towards short-term, medium-term, and long-term time horizons inform the comparative significance of each driver to CP Axta's business. Each driver was subsequently assigned with an indicator from external nature and biodiversity scenarios. The results were normalized and presented as a heatmap to inform the relative materiality of each driver to business The company has integrated biodiversity risk and opportunity into the multi-disciplinary company-wide risk management processes of corporate risks that shown on company's website at Enterprise Risk Management Manual in the identification to enhance and align the biodiversity risk and opportunity with the corporate's overall risk management system.*

### (2.3.5) Will you be disclosing a list/spatial map of priority locations?

Select from:

- Yes, we will be disclosing the list/geospatial map of priority locations



### (2.3.6) Provide a list and/or spatial map of priority locations

CP Aextra-list and or spatial map of priority location.pdf  
 [Fixed row]

### (2.4) How does your organization define substantive effects on your organization?

	Type of definition	Metrics considered in definition	Application of definition
Risks	Select all that apply <input checked="" type="checkbox"/> Qualitative	Select all that apply <input checked="" type="checkbox"/> Time horizon over which the effect occurs	Baseline (2023), Medium term (2030) and Long term (2050)
Opportunities	Select all that apply <input checked="" type="checkbox"/> Qualitative	Select all that apply <input checked="" type="checkbox"/> Time horizon over which the effect occurs	Baseline (2023), Medium term (2030), Long term (2050)

[Add row]

### (2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?

#### (2.5.1) Identification and classification of potential water pollutants

Select from:

Yes, we identify and classify our potential water pollutants

#### (2.5.2) How potential water pollutants are identified and classified

*The company classify wastewater in every activities that generate the effluent. There are toilet, hand wash sink, kitchen, equipment and floor cleaning, fluid from butchery and cooling tower blowdown water are classified as wastewater that must be treated, monitoring and returned to environment without any impact to natural. so the wastewater treatment plant is installed at every store and strictly monitoring to ensure effluent complied to the water pollution control regulation of National Pollution Control Department (<https://www.pcd.go.th/laws/4403/>) a) for supermarket which sizing is greater than 25,000 sqm the effluent threshold (BOD [Fixed row]*

## **(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.**

### **Row 1**

#### **(2.5.1.1) Water pollutant category**

*Select from:*

- Other nutrients and oxygen demanding pollutants

#### **(2.5.1.2) Description of water pollutant and potential impacts**

*Organic material that is discharged into natural waters causes a rapid increase in the growth of microorganisms that deplete the oxygen required for other aquatic life if the organic matter is not removed from wastewater prior release to the environment.*

#### **(2.5.1.3) Value chain stage**

*Select all that apply*

- Direct operations
- Upstream value chain

#### **(2.5.1.4) Actions and procedures to minimize adverse impacts**

*Select all that apply*

- Water recycling
- Requirement for suppliers to comply with regulatory requirements
- Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements

### **(2.5.1.5) Please explain**

*The aerobic wastewater treatment plant is installed at every store and strictly monitoring to ensure effluent complied to the water pollution control regulation of National Pollution Control Department. The effluent are recycled into floor cleaning and garden area. For the wastewater effluent lab test is one criteria for supplier selection and annually monitoring as issued into Supplier's code of conduct manual.*

*[Add row]*

### C3. Disclosure of risks and opportunities

**(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

	Environmental risks identified
Climate change	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, both in direct operations and upstream/downstream value chain
Forests	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, both in direct operations and upstream/downstream value chain
Water	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, both in direct operations and upstream/downstream value chain
Plastics	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, both in direct operations and upstream/downstream value chain

[Fixed row]

**(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

#### Climate change

##### (3.1.1.1) Risk identifier

*Select from:*

Risk1

### (3.1.1.3) Risk types and primary environmental risk driver

#### Acute physical

- Wildfires

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- Thailand

### (3.1.1.9) Organization-specific description of risk

*During extreme heat events, there may be an increased energy demand for cooling of indoor areas for equipment and personnel which can increase energy costs and impact to revenue. Increased direct costs –increased use of energy for cooling of indoor areas for personnel or temperatures sensitive products which can increase costs. Decrease revenues due to reduced sales capacity – Customers may be less likely to use non-essential retail and commercial real estate during extreme heat conditions which can lead to business disruptions and loss in revenue.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Increased direct costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term
- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Very likely

#### **(3.1.1.14) Magnitude**

Select from:

High

#### **(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*Increased direct costs 550 million THB*

#### **(3.1.1.17) Are you able to quantify the financial effect of the risk?**

Select from:

Yes

#### **(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)**

*60000000*

#### **(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)**

*120000000*

#### **(3.1.1.23) Anticipated financial effect figure in the long-term – minimum (currency)**

*227000000*

#### **(3.1.1.24) Anticipated financial effect figure in the long-term – maximum (currency)**

*615100000*

#### **(3.1.1.25) Explanation of financial effect figure**

The approach for financial impact calculation is based on the energy cost per year from fuel and grid electricity x number of store based on the business growth. The directly impact to operating cost and net profit 0.63%

### (3.1.1.26) Primary response to risk

#### Infrastructure, technology and spending

Other infrastructure, technology and spending, please specify :Transition to clean energy and low carbon emission i.e solar cell, EV truck, green refrigerant etc.

### (3.1.1.27) Cost of response to risk

52000000

### (3.1.1.28) Explanation of cost calculation

cost from solar cell investment and replacing with energy saving equipment and low carbon refrigerant.

### (3.1.1.29) Description of response

The energy committee is announced to be responsible for improving energy efficiency targets, monitoring, approval project and budget, In 2023, the energy efficiency increased by 29%, total energy Saving 13,274,214.95 kilowatt-hours, total Cost saving for energy 59,733,967.28 THB. through many projects such as High-efficiency chillers project, LED Replacement and installation project, Change the Fixed-speed air conditioners to VRF (Variable Refrigerant Flow, • Rooftop solar at stores and distribution centers• Solar Thermal for Water Heating, Solar tube for lighting at head office, Converted to an electric forklift in own operation, BEV and HEV for online delivery service. The % renewable energy consumption is increased from 8 to 13%. The GHG emission is reduced 4,35.69 tons of CO2 eq compared to last year (1% reduction) also see at <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023> (page 161-164)

## Forests

### (3.1.1.1) Risk identifier

Select from:

Risk4

### (3.1.1.2) Commodity

Select all that apply

- Palm oil
- Cattle products
- Cocoa
- Coffee

### (3.1.1.3) Risk types and primary environmental risk driver

#### Technology

- Transition to water efficient and low water intensity technologies and products

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Upstream value chain

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- Thailand

### (3.1.1.9) Organization-specific description of risk

*The upstream supplier produces commodity may increase risk from new laws and regulations and/or additional announcement of new conservation areas. also may impact to the company's reputation or compliance if the supplier encroaching on the reserved forest. As the sustainable procurement policy. The company screen, monitor all tier 1 supplier. and terminate the contract to any supplier who involve the deforestation or encroachment on reserved forest*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Disruption in upstream value chain

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization



Select all that apply

Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

More likely than not

### (3.1.1.14) Magnitude

Select from:

Medium-low

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*The upstream suppliers may increase risk from new laws and regulations and/or additional announcement of new conservation areas. and the company cannot purchase from the illegal supplier. The company has limited palm oil, beef, cocoa and coffee product available for customer which may reduce 6% of total revenue.*

### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### Compliance, monitoring and targets

Ensure no deforestation and no conversion in own operations

### (3.1.1.27) Cost of response to risk

1788800

### (3.1.1.28) Explanation of cost calculation

the own operation facility are 100% location verification without any cost. The cost is for supplier biodiversity risk screening.

### (3.1.1.29) Description of response

Conduct the biodiversity risk assessment with location specific and TNFD, UNESCO World Heritage, and IUCN to assess own operation and adjacent area including the activities of upstream to downstream along the supply chain. To access biodiversity risk location with Integrated Biodiversity Assessment Tool (IBAT). The action plans to avoid, reduce, regenerate, restore and transform to protect ecosystem and biodiversity from business operations or activities to promote ecosystem and biodiversity over the long run. Communication and education to all employee, temporary staff, contractors, tier-1 suppliers and business partners. Assess biodiversity protection and no deforestation by working with supplier and partners for collaborative projects that promote ecosystem and biodiversity. and publicly communicates the biodiversity performance and targets through the annual report and TNFD on official website The restoration programs such as planting Trees at store with 7,228 native trees based on urban reforestation principles. The planting with various species of perennial trees, such as teak, bamboo, mango, banana, and jackfruit, to enhance green area within the stores. The treated effluent is used for irrigation. Another project which is "Next Gen New World" to planting the tree at Khao Yai National Park Conservation Foundation to organized youth training activities, including 61,000 seeding are planted for being nature based wild fire stopping. see more detail at TNFD Report: <https://www.cpaxtra.com/storage/document/tnfd-reports/2024/tnfd-report-en.pdf> Annual report: <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023> (page 178180)

## Water

### (3.1.1.1) Risk identifier

Select from:

Risk3

### (3.1.1.3) Risk types and primary environmental risk driver

#### Acute physical

Flooding (coastal, fluvial, pluvial, groundwater)

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- Thailand

### (3.1.1.7) River basin where the risk occurs

Select all that apply

- Chao Phraya

### (3.1.1.9) Organization-specific description of risk

*Flooding and heavy storm potential to damage the own facility, upstream suppliers and public infrastructure caused the interrupt the operation and logistic. Furthermore, water stress from climate change impact on the sufficiency of water for various needs and the quality of water in the region where the company operates and local agricultural suppliers.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Disruption to sales

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Short-term
- Medium-term
- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- Very likely

### (3.1.1.14) Magnitude

Select from:

- High

**(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*Increased direct costs – associated with cleaning up floodwaters or debris, or rerouting deliveries of products, and insurance costs. 65 million THB*

**(3.1.1.17) Are you able to quantify the financial effect of the risk?**

Select from:

Yes

**(3.1.1.19) Anticipated financial effect figure in the short-term – minimum (currency)**

6500000

**(3.1.1.20) Anticipated financial effect figure in the short-term – maximum (currency)**

18000000

**(3.1.1.21) Anticipated financial effect figure in the medium-term – minimum (currency)**

6500000

**(3.1.1.22) Anticipated financial effect figure in the medium-term – maximum (currency)**

36000000

**(3.1.1.23) Anticipated financial effect figure in the long-term – minimum (currency)**

6000000

**(3.1.1.24) Anticipated financial effect figure in the long-term – maximum (currency)**

72000000

**(3.1.1.25) Explanation of financial effect figure**

*The approach for financial impact calculation is based on the cost to fixing the damage facility from flooding x number of store locate in the high risk area plus with sales loss as 2 operational days before recovery. The cost and sales loss are directly impact to operating cost and EBITDA*

### **(3.1.1.26) Primary response to risk**

#### **Policies and plans**

- Develop flood emergency plans

### **(3.1.1.27) Cost of response to risk**

20000000

### **(3.1.1.28) Explanation of cost calculation**

*The estimate result in damaged goods and stores The extreme winds and storms result and revenue 6.5 million THB per event*

### **(3.1.1.29) Description of response**

*100% own operation and critical suppliers are annually monitored by applying the Aqueduct Water Risk Atlas global water risk mapping tool. Set up the flooding emergency response and business continuity plan including alterntive sourcing during crisis. For water stress conservation program including the annual performance for each site manager and monthly follow-up on the performance of the water consumption reduction plan. Creating water stress awareness to stakeholder i.e employee, supplier and public through the company's media, including pictures and stickers, and conduct training to agricultural suppliers in the water stress area. The aerobic wastewater treatment plant are 100% installed and operated at stores and zero breach cases of water pollution. Altogether with water recycling the effluent after-treatment wastewater to floor cleaning and gardening at 72 stores. <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023> (page 172-176)*

#### **Plastics**

### **(3.1.1.1) Risk identifier**

Select from:

- Risk2

### **(3.1.1.3) Risk types and primary environmental risk driver**

## Technology

- Transition to increasing recycled content

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Upstream value chain

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- Thailand

### (3.1.1.9) Organization-specific description of risk

*Thai government has transited to BCG model which plastic reduction road map has been announced. The company has strategy to applying the circular economy is paramount in attaining the Company's 2030 Sustainability Targets that reduce the unnecessary plastic packaging and 100% shift to sustainable packaging. Also it's the opportunity of converting waste into products that add economic-social values especially for green consumer. Then the company applies the circular economy and waste management are as one of material and enterprise risk assessment also the being one key of 2030 sustainability strategy. The waste database is collected and stored by type and disposal method to determine impacts throughout the supply chain. This is combined with the three fundamental principles of the circular economy for proper operations. First, minimize adverse effects, Second, design products and services that focus on preserving natural resource, and Third, optimize resource utilization for maximum efficiency.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Upfront costs to adopt/deploy new practices and processes

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Medium-term
- Long-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

Virtually certain

### (3.1.1.14) Magnitude

Select from:

Medium

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*Government plastic roadmap to reduce and stop using single use plastic by 2027. As the leading of marketing share that food street customers, hotel and restaurant buy the single use container from our stores. the cost of stock single use plastic that unsellable stock for prohibited product around 1,721 million THB that severely impact to financial performance. Then since 2019, the company continuously shift to sell the biodegrade material and becoming largest amount selling biodegradable single use container instead.*

### (3.1.1.26) Primary response to risk

#### **Agricultural practices**

Transition towards a diversified product portfolio that includes alternative materials [recycled and/or plant-based]

### (3.1.1.29) Description of response

*Reduce unnecessary plastic: - Not provide free plastic shopping bags to customers. - Not selling deoxy plastic, products contain plastic microbeads and cap seals on beverage bottles. Recyclable: Utilized plastic bags that a thickness of less than 40-micron (recyclable) and 100% own brand product packaging are recyclable. - Change design for material and thickness of plastic tray of sliced meat or fruit from PP and PE to be PET for improve efficiency of recycle material. - Use the biodegradable material (banana stem) as the packaging for locally organic vegetable. Droppoint for PCR plastic: 100% plastic from own operation are collected, segregated and sent to recycling process. also being the drop point at the store for collecting the plastic packaging from employees, customers, and communities and return the recycling process Upcycling and circular economy: all employee uniform are made from recycled PET material and collaborative to the community to produce the new materials such as polo shirts, monk robes, bed and medical coverall suits to donate back to social. In 2023, more than 3,949 tons of plastic packaging from store are recycled and produce as product (garbage bag for household and restaurant) and return to sell at all stores as circular economy approach. <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023> (page 166, 169-171)*

[Add row]

**(3.1.2) Provide the amount and proportion of your financial metrics from the reporting year that are vulnerable to the substantive effects of environmental risks.**

### **Climate change**

#### **(3.1.2.1) Financial metric**

Select from:

OPEX

#### **(3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)**

555100000

#### **(3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue**

Select from:

1-10%

#### **(3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)**

450000000

#### **(3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue**

Select from:

1-10%

#### **(3.1.2.7) Explanation of financial figures**

*Transition risk from coming carbon tax regulation that approximate increase 3-10% of energy cost (additional 167 - 555.1 million THB) Physical risk from storm and heat wave (450 million THB) Based on Net profit 8,640 million THB*



## Forests

### (3.1.2.1) Financial metric

Select from:

Revenue

### (3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

259000000

### (3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

1-10%

### (3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)

0

### (3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

Less than 1%

### (3.1.2.7) Explanation of financial figures

*The commodity product shortage may increase risk from new laws and regulations and/or additional announcement of new conservation areas. The lost revenue from commodity product is around 3% revenue.*

## Water

### (3.1.2.1) Financial metric

Select from:

OPEX

### (3.1.2.2) Amount of financial metric vulnerable to transition risks for this environmental issue (unit currency as selected in 1.2)

20000000

### (3.1.2.3) % of total financial metric vulnerable to transition risks for this environmental issue

Select from:

Less than 1%

### (3.1.2.4) Amount of financial metric vulnerable to physical risks for this environmental issue (unit currency as selected in 1.2)

10000000

### (3.1.2.5) % of total financial metric vulnerable to physical risks for this environmental issue

Select from:

Less than 1%

### (3.1.2.7) Explanation of financial figures

*Increased direct costs – associated with the cleaning up floodwaters or debris, or rerouting deliveries of products, and insurance costs. The resulted in 6.5 million THB in damaged goods per each store and in lost revenue. Based on Net profit 8,640 million THB*

*[Add row]*

**(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?**

## Row 1

### (3.2.1) Country/Area & River basin

#### Thailand

Chao Phraya

### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

*Select all that apply*

Direct operations

### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

12

### (3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

*Select from:*

1-25%

### (3.2.10) % organization's total global revenue that could be affected

*Select from:*

Less than 1%

### (3.2.11) Please explain

*total number of store are 2,622 which the potential risk store are 12 stores. A business continuity plan (BCP) for flood risk has been developed including the online business platform.*

*[Add row]*

**(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?**

	Water-related regulatory violations	Comment
	Select from: <input checked="" type="checkbox"/> No	<i>the result of effluent are monitored monthly by the authority.</i>

[Fixed row]

**(3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?**

Select from:

No, but we anticipate being regulated in the next three years

**(3.5.4) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?**

*Future Thailand Taxonomy and Thailand Greenhouse gas Management Organization (TGO)*

**(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

	Environmental opportunities identified
Climate change	Select from: <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized

	Environmental opportunities identified
Forests	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized
Water	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized

[Fixed row]

**(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

### Climate change

#### (3.6.1.1) Opportunity identifier

*Select from:*

Opp1

#### (3.6.1.2) Commodity

*Select all that apply*

Not applicable

#### (3.6.1.3) Opportunity type and primary environmental opportunity driver

##### Energy source

Use of renewable energy sources

#### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- Direct operations

#### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

- Thailand

#### (3.6.1.8) Organization specific description

2,622 stores in Thailand and 68 stores in Malaysia. The activity start from sourcing, warehouse, storage, distribution and selling at onsite store or company's online platform. Without production or factory, including the own brands (house brand) products are OEM products. The product selling is fresh food i.e pork, chicken, egg, fish, beef, fruit & vegetation, bakery, dry food, grocery, daily household products.

#### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Reduced direct costs

#### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

- Short-term
- Medium-term
- Long-term
- The opportunity has already had a substantive effect on our organization in the reporting year

#### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

- Virtually certain (99–100%)

#### (3.6.1.12) Magnitude

Select from:

High

### **(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period**

*impact to direct energy cost and PBIT. in 2023, energy cost saving 59,733,967 THB with renewable energy utilization at 13%*

### **(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*shift to 100% renewable energy will saving the energy cost at least 459,492,054 THB*

### **(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**

Select from:

Yes

### **(3.6.1.16) Financial effect figure in the reporting year (currency)**

59733967

### **(3.6.1.17) Anticipated financial effect figure in the short-term - minimum (currency)**

59733967

### **(3.6.1.18) Anticipated financial effect figure in the short-term – maximum (currency)**

68923808

### **(3.6.1.19) Anticipated financial effect figure in the medium-term - minimum (currency)**

229746027

### **(3.6.1.20) Anticipated financial effect figure in the medium-term - maximum (currency)**

321644438

### (3.6.1.21) Anticipated financial effect figure in the long-term - minimum (currency)

36759364380

### (3.6.1.22) Anticipated financial effect figure in the long-term – maximum (currency)

459492054

### (3.6.1.23) Explanation of financial effect figures

*based on short term as 3-5 year, medium as 10 year and long term over 10 years. The accumulated are projection to target 100% shifting to renewable energy at every store as net zero by 2050 target.*

### (3.6.1.24) Cost to realize opportunity

52000000

### (3.6.1.25) Explanation of cost calculation

*investment in clean energy i.e solar cell, EV and green refrigerant.*

### (3.6.1.26) Strategy to realize opportunity

*The opportunities from the government's policies and subsidized on shifting to renewable energy and low emissions technologies i.e solar cell, EV and green refrigerant.*

## Forests

### (3.6.1.1) Opportunity identifier

Select from:

Opp2

### (3.6.1.2) Commodity



Select all that apply

- Palm oil
- Cattle products
- Cocoa
- Coffee
- Soy

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Reputational capital

- Improved ratings by sustainability/ESG indexes

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

- Direct operations

### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

- Thailand

### (3.6.1.8) Organization specific description

2,622 stores in Thailand and 68 stores in Malaysia. The activity start from sourcing, warehouse, storage, distribution and selling at onsite store or company's online platform. Without production or factory, including the own brands (house brand) products are OEM products. The product selling is fresh food i.e pork, chicken, egg, fish, beef, fruit & vegetation, bakery, dry food, grocery, daily household products.

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Increased access to capital at lower/more favorable rates

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

Medium-term

Long-term

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

Likely (66–100%)

### (3.6.1.12) Magnitude

Select from:

Medium-low

### (3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*revenue from the commodity products contribute 3-6% of total revenue.*

### (3.6.1.15) Are you able to quantify the financial effects of the opportunity?

Select from:

No

### (3.6.1.24) Cost to realize opportunity

4365600

### (3.6.1.25) Explanation of cost calculation

*sourcing screening cost*

### (3.6.1.26) Strategy to realize opportunity

*Responsible sourcing policy and site specific inspection to ensure no deforestation and not located in the natural conservation area.*

## Water

### (3.6.1.1) Opportunity identifier

Select from:

Opp3

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Resource efficiency

Water recovery from sewage treatment

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

Direct operations

### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

Thailand

### (3.6.1.6) River basin where the opportunity occurs

Select all that apply

Chao Phraya

### (3.6.1.8) Organization specific description

*2,622 stores in Thailand and 68 stores in Malaysia. The activity start from sourcing, warehouse, storage, distribution and selling at onsite store or company's online platform. Without production or factory, including the own brands (house brand) products are OEM products. The product selling is fresh food i.e pork, chicken, egg, fish, beef, fruit & vegetation, bakery, dry food, grocery, daily household products.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

- Reduced direct costs

### **(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization**

Select all that apply

- Short-term
- Medium-term
- Long-term
- The opportunity has already had a substantive effect on our organization in the reporting year

### **(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon**

Select from:

- Virtually certain (99–100%)

### **(3.6.1.12) Magnitude**

Select from:

- Medium-high

### **(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period**

*impact to direct energy cost and PBIT. in 2023, water cost saving 11,197,440 THB with 72 stores.*

### **(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*shift to 100% stores will saving the energy cost at least 407,773,440 THB*

### **(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**

Select from:

Yes

**(3.6.1.16) Financial effect figure in the reporting year (currency)**

155520

**(3.6.1.17) Anticipated financial effect figure in the short-term - minimum (currency)**

11197440

**(3.6.1.18) Anticipated financial effect figure in the short-term – maximum (currency)**

26127360

**(3.6.1.19) Anticipated financial effect figure in the medium-term - minimum (currency)**

155520000

**(3.6.1.20) Anticipated financial effect figure in the medium-term - maximum (currency)**

311040000

**(3.6.1.21) Anticipated financial effect figure in the long-term - minimum (currency)**

407773440

**(3.6.1.22) Anticipated financial effect figure in the long-term – maximum (currency)**

466560000

**(3.6.1.23) Explanation of financial effect figures**

*based on short term as 3-5 year, medium as 10 year and long term over 10 years. the announced target as 20% reduction water consumption by 2030*

**(3.6.1.24) Cost to realize opportunity**

30000000

### (3.6.1.25) Explanation of cost calculation

*install the water saving equipment, recycling wastewater and nature based solution i.e ground water banking.*

### (3.6.1.26) Strategy to realize opportunity

*The opportunities from the water stress risk and our target for 20% reduction water consumption by 2030 which water saving equipment, recycling wastewater and nature based solution i.e ground water banking.*

*[Add row]*

## **(3.6.2) Provide the amount and proportion of your financial metrics in the reporting year that are aligned with the substantive effects of environmental opportunities.**

### **Climate change**

#### (3.6.2.1) Financial metric

Select from:

OPEX

#### (3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

264644438

#### (3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

1-10%

#### (3.6.2.4) Explanation of financial figures

Based on medium term of min of energy saving minus with investment of clean energy projects as percent by Net profit (currency THB)

## Forests

### (3.6.2.1) Financial metric

Select from:

Revenue

### (3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

14698000000

### (3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

1-10%

### (3.6.2.4) Explanation of financial figures

base on the opportunity to sell the commodity product as existing store while the competitor has supply interruption from forest conservation regulation issue.  
(currency THB)

## Water

### (3.6.2.1) Financial metric

Select from:

OPEX

### (3.6.2.2) Amount of financial metric aligned with opportunities for this environmental issue (unit currency as selected in 1.2)

281040000

### (3.6.2.3) % of total financial metric aligned with opportunities for this environmental issue

Select from:

1-10%

### (3.6.2.4) Explanation of financial figures

*Based on medium term of min of water saving minus with investment of water saving projects as percent by Net profit (currency THB)*

*[Add row]*



## C4. Governance

### (4.1) Does your organization have a board of directors or an equivalent governing body?

#### (4.1.1) Board of directors or equivalent governing body

Select from:

Yes

#### (4.1.2) Frequency with which the board or equivalent meets

Select from:

More frequently than quarterly

#### (4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

Non-executive directors or equivalent

Independent non-executive directors or equivalent

#### (4.1.4) Board diversity and inclusion policy

Select from:

Yes, and it is publicly available

#### (4.1.5) Briefly describe what the policy covers

*Director are selected and appointed in accordance with the board skills matrix, which is established by the Nomination and Remuneration Committee (the "NRC"). The matrix specifies a strategic mixture of qualifications; namely, knowledge, capabilities, work experience, and skills required of the board in meeting current and future challenges for the Company. In the process, the committee is responsible for ensuring that selection is non-discriminatory with respect to gender, race, religion, age and other personal characteristics. see policy on annual report 2023 page 211*

#### (4.1.6) Attach the policy (optional)

[Fixed row]

**(4.1.1) Is there board-level oversight of environmental issues within your organization?**

	Board-level oversight of this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes
Forests	Select from: <input checked="" type="checkbox"/> Yes
Water	Select from: <input checked="" type="checkbox"/> Yes
Biodiversity	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board’s oversight of environmental issues.**

**Climate change**

**(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue**

Select all that apply

Director on board

#### (4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

Yes

#### (4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

Board Terms of Reference

#### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

Scheduled agenda item in some board meetings – at least annually

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

Overseeing reporting, audit, and verification processes

Approving corporate policies and/or commitments

#### (4.1.2.7) Please explain

*To set the policy, framework, and strategies to promote climate change target and supervise, monitor, and review the Company's carbon reduction plan and give recommendations to the relevant working team.*

### Forests

#### (4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

Director on board

#### (4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

Yes

#### (4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

Board Terms of Reference

#### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

Scheduled agenda item in some board meetings – at least annually

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

Overseeing reporting, audit, and verification processes

Approving corporate policies and/or commitments

Monitoring compliance with corporate policies and/or commitments

Monitoring progress towards corporate targets

#### (4.1.2.7) Please explain

*approve biodiversity and No deforestation policy, framework, and strategies and set goals for the management to ensure the action are implemented to achieve target by 2030. including oversee and give the advise or recommendations to the working team.*

## Water

#### (4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

Director on board

#### (4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

- Yes

#### **(4.1.2.3) Policies which outline the positions' accountability for this environmental issue**

Select all that apply

- Board Terms of Reference

#### **(4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item**

Select from:

- Scheduled agenda item in some board meetings – at least annually

#### **(4.1.2.5) Governance mechanisms into which this environmental issue is integrated**

Select all that apply

- Overseeing reporting, audit, and verification processes
- Approving corporate policies and/or commitments
- Monitoring compliance with corporate policies and/or commitments
- Monitoring progress towards corporate targets

#### **(4.1.2.7) Please explain**

*Review and approve water saving policy and give recommendations to the relevant working team.*

### **Biodiversity**

#### **(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue**

Select all that apply

- Director on board

#### **(4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board**

Select from:

Yes

#### (4.1.2.3) Policies which outline the positions' accountability for this environmental issue

Select all that apply

Board Terms of Reference

#### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

Scheduled agenda item in some board meetings – at least annually

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

Overseeing reporting, audit, and verification processes

Approving corporate policies and/or commitments

Monitoring compliance with corporate policies and/or commitments

Monitoring progress towards corporate targets

#### (4.1.2.7) Please explain

*approve biodiversity and No deforestation policy, framework, and strategies and set goals for the management to ensure the action are implemented to achieve target by 2030. including oversee and give the advise or recommendations to the working team.*

*[Fixed row]*

### (4.2) Does your organization's board have competency on environmental issues?

#### Climate change

#### (4.2.1) Board-level competency on this environmental issue

Select from:

Yes

#### (4.2.2) Mechanisms to maintain an environmentally competent board

*Select all that apply*

Consulting regularly with an internal, permanent, subject-expert working group

### Forests

#### (4.2.1) Board-level competency on this environmental issue

*Select from:*

Yes

#### (4.2.2) Mechanisms to maintain an environmentally competent board

*Select all that apply*

Consulting regularly with an internal, permanent, subject-expert working group

### Water

#### (4.2.1) Board-level competency on this environmental issue

*Select from:*

Yes

#### (4.2.2) Mechanisms to maintain an environmentally competent board

*Select all that apply*

Consulting regularly with an internal, permanent, subject-expert working group

*[Fixed row]*

### (4.3) Is there management-level responsibility for environmental issues within your organization?

	Management-level responsibility for this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes
Forests	Select from: <input checked="" type="checkbox"/> Yes
Water	Select from: <input checked="" type="checkbox"/> Yes
Biodiversity	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).**

## Climate change

### (4.3.1.1) Position of individual or committee with responsibility

#### Committee

Sustainability committee

### (4.3.1.2) Environmental responsibilities of this position

#### Dependencies, impacts, risks and opportunities

Assessing environmental dependencies, impacts, risks, and opportunities



## Engagement

- Managing public policy engagement related to environmental issues

## Policies, commitments, and targets

- Measuring progress towards environmental corporate targets

## Strategy and financial planning

- Implementing a climate transition plan
- Managing major capital and/or operational expenditures relating to environmental issues

### (4.3.1.4) Reporting line

Select from:

- Reports to the board directly

### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- Quarterly

### (4.3.1.6) Please explain

*At CP Axta, a robust governance structure is in place to facilitate the oversight of climate-related issues. The Board of Directors (the Board) is the ultimate decision-making body and is responsible for the overall oversight of the Company, including overseeing and approving business strategic plans and managing approaches, driving response measures related to climate action. The Board considers and reviews its sustainability-related issues and performance as well as mission and strategic plans at least twice a year, and assigns climate working team which is line management to develop action plans. The climate action plan to achieve carbon neutral by 2030 and Net zero by 2050 are integrating to the management team's KPI.*

## Forests

### (4.3.1.1) Position of individual or committee with responsibility

#### Committee

- Sustainability committee

### (4.3.1.2) Environmental responsibilities of this position

#### Dependencies, impacts, risks and opportunities

- Assessing future trends in environmental dependencies, impacts, risks, and opportunities

#### Engagement

- Managing engagement in landscapes and/or jurisdictions

#### Policies, commitments, and targets

- Monitoring compliance with corporate environmental policies and/or commitments

#### Strategy and financial planning

- Developing a business strategy which considers environmental issues
- Managing acquisitions, mergers, and divestitures related to environmental issues
- Managing major capital and/or operational expenditures relating to environmental issues

### (4.3.1.4) Reporting line

Select from:

- Reports to the board directly

### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- Quarterly

### (4.3.1.6) Please explain

*As same climate change. The Board of Directors is responsible for overseeing and approving No deforestation policy and monitoring result and potential risk with the recommendation. The target as 100% own operation and value chain No deforestation or impact to the forest.*

## Water

#### (4.3.1.1) Position of individual or committee with responsibility

##### **Committee**

- Sustainability committee

#### (4.3.1.2) Environmental responsibilities of this position

##### **Dependencies, impacts, risks and opportunities**

- Managing environmental dependencies, impacts, risks, and opportunities

##### **Engagement**

- Managing public policy engagement related to environmental issues
- Managing supplier compliance with environmental requirements

##### **Policies, commitments, and targets**

- Measuring progress towards environmental corporate targets

##### **Strategy and financial planning**

- Developing a business strategy which considers environmental issues
- Managing annual budgets related to environmental issues

#### (4.3.1.4) Reporting line

*Select from:*

- Reports to the board directly

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

*Select from:*

- Quarterly

#### (4.3.1.6) Please explain

*As same climate change. The Board of Directors is responsible for overseeing and approving business strategic plans and managing approaches, reviews performance. The target of water stewardship is 20% water consumption reduction by 2030 and the target are integrating to the management team's KPI. The performance are monitoring as quarterly basis.*

## **Biodiversity**

### **(4.3.1.1) Position of individual or committee with responsibility**

#### **Committee**

- Sustainability committee

### **(4.3.1.2) Environmental responsibilities of this position**

#### **Dependencies, impacts, risks and opportunities**

- Assessing environmental dependencies, impacts, risks, and opportunities

#### **Engagement**

- Managing engagement in landscapes and/or jurisdictions

#### **Policies, commitments, and targets**

- Monitoring compliance with corporate environmental policies and/or commitments

#### **Strategy and financial planning**

- Managing acquisitions, mergers, and divestitures related to environmental issues
- Managing annual budgets related to environmental issues
- Managing major capital and/or operational expenditures relating to environmental issues

### **(4.3.1.4) Reporting line**

*Select from:*

- Reports to the board directly

### **(4.3.1.5) Frequency of reporting to the board on environmental issues**

Select from:

Quarterly

#### (4.3.1.6) Please explain

*The Board of Directors is responsible for overseeing and approving No deforestation policy and monitoring result and potential risk with the recommendation to ensure compliance with the policy and regulations. The company announce "Do not buy and sell the endanger species or juvenile marine animal" and no deforestation in own operation and value chain.*

[Add row]

### (4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

#### Climate change

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

Yes

#### (4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

83

#### (4.5.3) Please explain

*the climate change target are integrated to the executive C- Level and management's annual performance evaluation and bonus.*

#### Forests

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

No, but we plan to introduce them in the next two years

### (4.5.3) Please explain

All site and critical supplier are not involve any deforestation and no any breach case or public compliant. Furthermore, the projects to be net positive impact will be started at year 2025 as road map.

## Water

### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

Yes

### (4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

83

### (4.5.3) Please explain

*the water reduction target are integrated to the C Level and management's annual performance evaluation and bonus  
[Fixed row]*

**(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals).**

## Climate change

### (4.5.1.1) Position entitled to monetary incentive

Board or executive level

Board/Executive board

### (4.5.1.2) Incentives

Select all that apply

- Bonus - % of salary
- Salary increase

### (4.5.1.3) Performance metrics

#### Targets

- Organization performance against an environmental sustainability index
- Reduction in absolute emissions in line with net-zero target

### (4.5.1.4) Incentive plan the incentives are linked to

Select from:

- Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

### (4.5.1.5) Further details of incentives

*the carbon reduction is one of the corporate KPI for executive level.*

### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

*the executive level has cascade the corporate KPI to department, division and all management level then the overall are assigned and participated in the same goal.*

## Water

### (4.5.1.1) Position entitled to monetary incentive

#### Board or executive level

- Board/Executive board

### (4.5.1.2) Incentives

Select all that apply

- Bonus - % of salary
- Salary increase

### (4.5.1.3) Performance metrics

#### Targets

- Organization performance against an environmental sustainability index
- Reduction in absolute emissions in line with net-zero target

### (4.5.1.4) Incentive plan the incentives are linked to

Select from:

- Short-Term Incentive Plan, or equivalent, only (e.g. contractual annual bonus)

### (4.5.1.5) Further details of incentives

*the water consumption is one of the corporate KPI for executive level.*

### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

*the executive level has cascade the corporate KPI to department, division and all management level then the overall are assigned and participated in the same goal. and water consumption reduction is key of store operation cost saving that impact to store manager's promotion either.*

[Add row]

### (4.6) Does your organization have an environmental policy that addresses environmental issues?



	Does your organization have any environmental policies?
	<i>Select from:</i> <input checked="" type="checkbox"/> Yes

[Fixed row]

### (4.6.1) Provide details of your environmental policies.

#### Row 1

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

- Climate change
- Water

#### (4.6.1.2) Level of coverage

*Select from:*

- Organization-wide

#### (4.6.1.3) Value chain stages covered

*Select all that apply*

- Direct operations
- Upstream value chain
- Downstream value chain

#### (4.6.1.4) Explain the coverage

*This policy applies to the Company and its subsidiaries, production operation, business facilities, products and services, distribution, logistics, management of waste, suppliers, service providers, contractors, key business partners, e.g. non-managed operations, joint venture partners, licensees, outsourcing partners, etc. including the due-diligence, mergers, and acquisitions.*

#### **(4.6.1.5) Environmental policy content**

##### **Environmental commitments**

- Commitment to a circular economy strategy
- Commitment to comply with regulations and mandatory standards
- Other environmental commitment, please specify :Zero waste and food waste to landfill

##### **Climate-specific commitments**

- Commitment to net-zero emissions

##### **Water-specific commitments**

- Commitment to control/reduce/eliminate water pollution
- Commitment to reduce water consumption volumes
- Commitment to reduce water withdrawal volumes

##### **Additional references/Descriptions**

- Description of renewable electricity procurement practices
- Reference to timebound environmental milestones and targets

#### **(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals**

*Select all that apply*

- Yes, in line with the Paris Agreement
- Yes, in line with Sustainable Development Goal 6 on Clean Water and Sanitation

#### **(4.6.1.7) Public availability**

*Select from:*

- Publicly available

#### (4.6.1.8) Attach the policy

*environmental-policy-en.pdf*

#### Row 2

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

- Forests
- Biodiversity

#### (4.6.1.2) Level of coverage

*Select from:*

- Organization-wide

#### (4.6.1.3) Value chain stages covered

*Select all that apply*

- Direct operations
- Upstream value chain
- Downstream value chain

#### (4.6.1.4) Explain the coverage

*CP Axta aims to stop deforestation and create a net positive impact (NPI) on biodiversity by 2030 in our operation, subsidiaries, partners, and throughout the supply chain (including tier and non-tier supplier).*

#### (4.6.1.5) Environmental policy content

##### **Environmental commitments**

- Commitment to avoidance of negative impacts on threatened and protected species
- Commitment to Net Positive Gain

- Commitment to No Net Loss

#### **Forests-specific commitments**

- Commitment to best management practices for soils and peat
- Commitment to no-deforestation by target date, please specify :2030

#### **(4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals**

*Select all that apply*

- Yes, in line with another global environmental treaty or policy goal, please specify :Supporting the UN SDG 14 (Life under Water) and SDGs 15 (Life on Land),

#### **(4.6.1.7) Public availability**

*Select from:*

- Publicly available

#### **(4.6.1.8) Attach the policy**

*biodiversity-policy-en.pdf*

### **Row 3**

#### **(4.6.1.1) Environmental issues covered**

*Select all that apply*

- Climate change
- Forests
- Water
- Biodiversity

#### **(4.6.1.2) Level of coverage**

Select from:

- Organization-wide

### (4.6.1.3) Value chain stages covered

Select all that apply

- Direct operations
- Upstream value chain
- Downstream value chain

### (4.6.1.4) Explain the coverage

*This policy applies to the business operation of CP Axta Public Limited Company and its subsidiaries, own operation and supply chain including supplier, vendor, and partners.*

### (4.6.1.5) Environmental policy content

#### **Social commitments**

- Adoption of the UN International Labour Organization principles
- Commitment to promote gender equality and women's empowerment
- Commitment to respect and protect the customary rights to land, resources, and territory of Indigenous Peoples and Local Communities
- Commitment to respect internationally recognized human rights

### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

- Yes, in line with another global environmental treaty or policy goal, please specify :Universal Declaration of Human Rights: (UDHR), the Ten Principles of the United Nations Global Compact (UN Global Compact), UN Guiding Principles on Business and Human Rights (UNGPs), Declaration on Fundamental Principles and Rights at Work and Int

### (4.6.1.7) Public availability

Select from:

- Publicly available

#### (4.6.1.8) Attach the policy

*human-right-policy-en.pdf*

### Row 4

#### (4.6.1.1) Environmental issues covered

*Select all that apply*

- Biodiversity

#### (4.6.1.2) Level of coverage

*Select from:*

- Organization-wide

#### (4.6.1.3) Value chain stages covered

*Select all that apply*

- Direct operations
- Upstream value chain
- Downstream value chain

#### (4.6.1.4) Explain the coverage

*The scope of the report covers the operation of CP Aextra PCL, its subsidiaries, and selected assets in Thailand. With reference to the TNFD – Recommendations of the Nature and biodiversity-related Financial Disclosures Issued September 2023.*

#### (4.6.1.5) Environmental policy content

##### **Environmental commitments**

- Commitment to stakeholder engagement and capacity building on environmental issues

#### Additional references/Descriptions

- Description of biodiversity-related performance standards
- Description of dependencies on natural resources and ecosystems
- Description of impacts on natural resources and ecosystems
- Description of environmental requirements for procurement
- Reference to timebound environmental milestones and targets

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

- Yes, in line with the Kunming-Montreal Global Biodiversity Framework

#### (4.6.1.7) Public availability

Select from:

- Publicly available

#### (4.6.1.8) Attach the policy

tnfd-report-en (1).pdf

[Add row]

#### (4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

##### (4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

- Yes

##### (4.10.2) Collaborative framework or initiative

Select all that apply

- Science-Based Targets Initiative (SBTi)

- Task Force on Climate-related Financial Disclosures (TCFD)
- Task Force on Nature-related Financial Disclosures (TNFD)
- UN Global Compact
- World Business Council for Sustainable Development (WBCSD)

#### **(4.10.3) Describe your organization's role within each framework or initiative**

*SBTi - Submitted status on SBTi's website and action to be verified within 24 months. TCFD Framework - apply TCFD guideline as climate management and update the status within the report as the guideline on CP Aextra website TNFD Framework - apply and report follow as guideline for Biodiversity report on CP Aextra's website UN Global compact - member of GCNT, integrated SDGs goal into business operation and report annual update the progress into COP platform. WBCSD - membership of food industry group*  
 [Fixed row]

#### **(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?**

##### **(4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment**

*Select all that apply*

- Yes, we engaged indirectly through, and/or provided financial or in-kind support to a trade association or other intermediary organization or individual whose activities could influence policy, law, or regulation

##### **(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals**

*Select from:*

- Yes, we have a public commitment or position statement in line with global environmental treaties or policy goals

##### **(4.11.3) Global environmental treaties or policy goals in line with public commitment or position statement**

*Select all that apply*

- Another global environmental treaty or policy goal, please specify :Thailand Carbon Neutral Network (TCNN) <https://tcnn.tgo.or.th/>



#### (4.11.4) Attach commitment or position statement

*CP Aextra as Climate Action Initiator Membership of Thailand Carbon Neutral Network.pdf*

#### (4.11.5) Indicate whether your organization is registered on a transparency register

Select from:

Unknown

#### (4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan

*Trade Associations and Lobbying - Climate Alignment. The company public disclose target to Carbon Neutral by 2030 and Net Zero by 2050, collaborate with i.e Thailand Carbon Neutral Network. This covers all jurisdictions where operates trade associations and lobbying activity. The management system in place with executive's accountability. the Company also member of UN Global Compact (UNGC) to support human rights, labor practice, environment, and anti-corruption, as well as collaborating with the World Business Council on Sustainable Development (WBCSD).*

[Fixed row]

#### (4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year.

##### Row 1

#### (4.11.2.1) Type of indirect engagement

Select from:

Indirect engagement via a trade association

#### (4.11.2.4) Trade association

##### Asia and Pacific

Other trade association in Asia and Pacific, please specify :Thai Chamber of Commerce

**(4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position**

Select all that apply

Climate change

**(4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with**

Select from:

Consistent

**(4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year**

Select from:

Yes, we publicly promoted their current position

**(4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position**

*The company support the recommendation on draft carbon tax regulation through the Thai Chamber of Commerce and participate the program to enhance carbon internal pricing knowledge with Thailand Carbon Neutral Network. And join the Climate Accelerator program with UNGC.*

**(4.11.2.9) Funding figure your organization provided to this organization or individual in the reporting year (currency)**

54251.89

**(4.11.2.10) Describe the aim of this funding and how it could influence policy, law or regulation that may impact the environment**

*The company pay the annual membership fee to support the UNGC, Thai Chamber of Commence and Thai Carbon Neutral Network for their environment awareness enhancing program including activities to influence for industry specific guideline.*

#### **(4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals**

Select from:

- Yes, we have evaluated, and it is aligned

#### **(4.11.2.12) Global environmental treaties or policy goals aligned with your organization's engagement on policy, law or regulation**

Select all that apply

- Paris Agreement

[Add row]

#### **(4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response?**

Select from:

- Yes

**(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.**

#### **Row 1**

##### **(4.12.1.1) Publication**

Select from:

- In mainstream reports, in line with environmental disclosure standards or frameworks

##### **(4.12.1.2) Standard or framework the report is in line with**

Select all that apply

- GRI

#### (4.12.1.3) Environmental issues covered in publication

Select all that apply

- Climate change
- Forests
- Water
- Biodiversity

#### (4.12.1.4) Status of the publication

Select from:

- Complete

#### (4.12.1.5) Content elements

Select all that apply

- |                                                                       |                                                              |
|-----------------------------------------------------------------------|--------------------------------------------------------------|
| <input checked="" type="checkbox"/> Strategy                          | <input checked="" type="checkbox"/> Risks & Opportunities    |
| <input checked="" type="checkbox"/> Governance                        | <input checked="" type="checkbox"/> Value chain engagement   |
| <input checked="" type="checkbox"/> Emission targets                  | <input checked="" type="checkbox"/> Biodiversity indicators  |
| <input checked="" type="checkbox"/> Emissions figures                 | <input checked="" type="checkbox"/> Public policy engagement |
| <input checked="" type="checkbox"/> Commodity volumes                 | <input checked="" type="checkbox"/> Water accounting figures |
| <input checked="" type="checkbox"/> Content of environmental policies |                                                              |

#### (4.12.1.6) Page/section reference

a) Annual report on page 157-186 <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023>

#### (4.12.1.7) Attach the relevant publication

*makro-sd-report-2023-en (4).pdf*

#### (4.12.1.8) Comment

## Row 2

### (4.12.1.1) Publication

Select from:

- In mainstream reports, in line with environmental disclosure standards or frameworks

### (4.12.1.2) Standard or framework the report is in line with

Select all that apply

- TCFD
- TNFD

### (4.12.1.3) Environmental issues covered in publication

Select all that apply

- Climate change
- Water

### (4.12.1.4) Status of the publication

Select from:

- Complete

### (4.12.1.5) Content elements

Select all that apply

- Strategy
- Governance
- Emission targets
- Emissions figures
- Risks & Opportunities
- Value chain engagement
- Dependencies & Impacts
- Public policy engagement
- Content of environmental policies

#### (4.12.1.6) Page/section reference

b) Report of Climate management as TCFD page 1-23 <https://www.cpaxtra.com/storage/document/tcf-reports/2023/tcf-report-en.pdf>

#### (4.12.1.7) Attach the relevant publication

*tcf-report-en.pdf*

#### (4.12.1.8) Comment

<https://www.cpaxtra.com/storage/document/tcf-reports/2023/tcf-report-en.pdf>

### Row 3

#### (4.12.1.1) Publication

Select from:

In mainstream reports, in line with environmental disclosure standards or frameworks

#### (4.12.1.2) Standard or framework the report is in line with

Select all that apply

TNFD

#### (4.12.1.3) Environmental issues covered in publication

Select all that apply

Forests

Water

Biodiversity

#### (4.12.1.4) Status of the publication

Select from:

Complete

#### (4.12.1.5) Content elements

Select all that apply

- Strategy
- Governance
- Risks & Opportunities
- Value chain engagement
- Dependencies & Impacts
- Biodiversity indicators
- Public policy engagement
- Content of environmental policies

#### (4.12.1.6) Page/section reference

c) Report of Climate management as TNFD page 2-26 <https://www.cpaxtra.com/storage/document/tnfd-reports/2024/tnfd-report-en.pdf>

#### (4.12.1.7) Attach the relevant publication

*tnfd-report-en (1).pdf*

#### (4.12.1.8) Comment

<https://www.cpaxtra.com/storage/document/tnfd-reports/2024/tnfd-report-en.pdf>

[Add row]

## C5. Business strategy

(5.1) Does your organization use scenario analysis to identify environmental outcomes?

### Climate change

#### (5.1.1) Use of scenario analysis

Select from:

Yes

#### (5.1.2) Frequency of analysis

Select from:

Annually

### Forests

#### (5.1.1) Use of scenario analysis

Select from:

Yes

#### (5.1.2) Frequency of analysis

Select from:

Annually

### Water

#### (5.1.1) Use of scenario analysis

Select from:



Yes

## (5.1.2) Frequency of analysis

Select from:

Annually

[Fixed row]

**(5.1.1) Provide details of the scenarios used in your organization's scenario analysis.**

### Climate change

#### (5.1.1.1) Scenario used

Physical climate scenarios

RCP 8.5

#### (5.1.1.2) Scenario used    SSPs used in conjunction with scenario

Select from:

SSP5

#### (5.1.1.3) Approach to scenario

Select from:

Quantitative

#### (5.1.1.4) Scenario coverage

Select from:

Business activity

#### (5.1.1.5) Risk types considered in scenario

*Select all that apply*

- Policy
- Market
- Liability
- Reputation
- Technology
- Acute physical
- Chronic physical

#### (5.1.1.6) Temperature alignment of scenario

*Select from:*

- 4.0°C and above

#### (5.1.1.7) Reference year

2020

#### (5.1.1.8) Timeframes covered

*Select all that apply*

- 2025
- 2030
- 2050

#### (5.1.1.9) Driving forces in scenario

##### **Finance and insurance**

- Cost of capital

##### **Regulators, legal and policy regimes**

- Global targets
- Methodologies and expectations for science-based targets

#### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

The company conducted a desktop review of the latest climate-related policies, regulations, market trends and historical hazard events in the Company's countries of operation also reviewed the risks and opportunities reported by its peers to identify and shortlist the risk and opportunity drivers potentially most relevant to the Company's business and operation. The Scenario analysis by having shortlisted the climate-related drivers, the company conducted internal consultations through a workshop to seek people's views on the magnitude and likelihood of impact from each driver towards short-term, medium-term, and long-term time horizons. The result led to the transition risk with the Stated Policies Scenario (STEPS) Current trajectory based on the stated climate policy ambitions, represents 'business as usual' towards 2050. The Announced Pledges Scenario (APS) Aligned with the Paris Agreement to limit warming to "well below 2C", assumes all climate commitments will be met. Physical risk with SSP1 – 2.6 Low-emissions scenario where warming is limited to 1.6C by 2100 with net-zero emissions possibility. and SSP5 - 8.5 High-emissions scenario where warming reaches 2.4C by mid-century and 4.4C by 2100

### (5.1.1.11) Rationale for choice of scenario

The company plot the drivers on a risk matrix that informs the comparative significance of each driver to company's business between a base case (i.e., high-emissions) scenario and a low-emissions scenario. Each driver was subsequently assigned with an indicator from external climate scenarios. Scenario data were fed into assessment to allow for the integration of an objective perspective based on science. The results were normalized and presented as a heatmap to inform the relative materiality of each driver to business.

## Forests

### (5.1.1.1) Scenario used

#### Water scenarios

- WWF Water Risk Filter

### (5.1.1.3) Approach to scenario

Select from:

- Quantitative

### (5.1.1.4) Scenario coverage

Select from:

- Business activity

### (5.1.1.5) Risk types considered in scenario

Select all that apply

- Policy
- Market
- Liability
- Reputation
- Technology
- Acute physical
- Chronic physical

#### (5.1.1.7) Reference year

2023

#### (5.1.1.8) Timeframes covered

Select all that apply

- 2025
- 2030
- 2050

#### (5.1.1.9) Driving forces in scenario

**Regulators, legal and policy regimes**

- Global targets

#### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*fer to framework and methodologies from TNFD and analytical tools from IBAT and WWF Biodiversity Risk Filter to assess biodiversity risk location. Including review, the latest nature and biodiversity-related policies and regulations i.e UNESCO World Heritage, and IUCN., market trends and historical hazard events. The location specific approach are applied for assessment are own operation, adjacent areas to own operations (0-5 kms), upstream and downstream activities with Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter. Also reviewed the risks and opportunities reported by its peers to identify and shortlist and opportunity drivers potentially most relevant to The company's business and operation. The physical and transition risks from each driver towards short-term, medium-term, and long-term time horizons inform the comparative significance of each driver to business. Each driver was subsequently assigned with an indicator from external nature and biodiversity scenarios. The results were normalized and presented as a heatmap to inform the relative materiality of each driver to business*

#### (5.1.1.11) Rationale for choice of scenario

*Towards to No net Loss and NPI targets for priority areas to work which Priority Areas are identified based on risk assessment data on dependencies and impacts across a company's value chain to determine the relative contribution of different locations to a company's overall biodiversity related risk exposure include the state of nature in value chain locations, the Needs of value chain stakeholders such as dependency on ecosystem services*

## Water

### (5.1.1.1) Scenario used

#### Water scenarios

- WRI Aqueduct

### (5.1.1.3) Approach to scenario

*Select from:*

- Quantitative

### (5.1.1.4) Scenario coverage

*Select from:*

- Business activity

### (5.1.1.5) Risk types considered in scenario

*Select all that apply*

- Acute physical
- Chronic physical
- Policy
- Market

### (5.1.1.7) Reference year

2023

### (5.1.1.8) Timeframes covered

Select all that apply

- 2025
- 2030
- 2050

### (5.1.1.9) Driving forces in scenario

#### Local ecosystem asset interactions, dependencies and impacts

- Climate change (one of five drivers of nature change)

#### Finance and insurance

- Cost of capital

### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*The company categorized water physical risks into two types, acute and chronic hazards that may pose a physical risk to the assets and operations, value chain. These hazards include riverine floods, extreme rainfall floods, coastal floods, extreme winds and storms, rainfall-induced landslides, water stress and drought. The coverage of this assessment includes 25 key assets selected from CP Aextra's portfolio across East and Southeast Asia. These involve two main assets types – firstly, the Company's wholesale and retail stores, and secondly, its distribution centers and warehouses.*

### (5.1.1.11) Rationale for choice of scenario

*Extreme weather events, including high levels of precipitation and extreme rainfall are projected to increase due to physical climate change. This is likely to heighten both the frequency and intensity of flooding, increasing the risk of physical damage to infrastructure. CP Aextra may experience increased capital expenditure and operating costs, and reduced revenue as a result. Around one third of the assessed real estates and over half of the assessed distribution centers are exposed to a 'High' or 'Very High' risk of flooding by 2050 under at least one emission scenario. However, there is a moderate increase from the baseline across both scenarios and both time horizons on an aggregate level.*

[Add row]

## (5.1.2) Provide details of the outcomes of your organization's scenario analysis.

### Climate change

#### (5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

Risk and opportunities identification, assessment and management

### (5.1.2.2) Coverage of analysis

Select from:

Business activity

### (5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

*Upstream • Increased likelihood of product spoils during transportation leading to product shortage in stores. Direct Operations • During extreme heat events there may be an increased energy demand for cooling of indoor areas for equipment and personnel which can increase energy costs. • Extreme heat is expected to pose a high risk to solar power, where extreme temperatures can significantly reduce the cell efficiency and potentially damage the panels. Downstream • There may be health and safety issues, such as heat stroke and dehydration, for staff and customers if there is not enough cooling in place. • A significant portion of customers may prefer to use e-commerce deliveries, resulting in significantly reduced foot traffic at stores.*

## Forests

### (5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

Risk and opportunities identification, assessment and management

### (5.1.2.2) Coverage of analysis

Select from:

Business activity

### (5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

*Upstream - high dependency on soil and water while the medium -high impact from climate change and water availability for usage both quantity and quality Direct Operation - High risk from riverine floods, wildfire, tropical cyclone, extreme heat, water scarcity and landslide. Downstream Activities – Delivery - risk and opportunity from new regulation that tightening restrictions on plastic products and carbon reduction. renewable technology.*

## Water

### (5.1.2.1) Business processes influenced by your analysis of the reported scenarios

Select all that apply

- Risk and opportunities identification, assessment and management

### (5.1.2.2) Coverage of analysis

Select from:

- Business activity

### (5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues

*Upstream • Access to the affected assets (e.g., from suppliers to distribution centers/retail stores) will be cut off by floods due to physical damage to roads, causing supply chain disruption. Direct Operations • Structural damage to buildings • Debris and floodwaters may block key access routes for deliveries and staff for extended periods of time (i.e., multiple days). Flooding can pose a health and safety risk and evacuations may be necessary during a flooding event. Downstream • Debris and floodwaters, as well as extreme storm winds block access routes and discourage customers from traveling to physical stores.*

[Fixed row]

## (5.2) Does your organization's strategy include a climate transition plan?

### (5.2.1) Transition plan

Select from:

- Yes, we have a climate transition plan which aligns with a 1.5°C world

### (5.2.3) Publicly available climate transition plan

Select from:

- Yes

### (5.2.4) Plan explicitly commits to cease all spending on, and revenue generation from, activities that contribute to fossil fuel expansion



Select from:

Yes

### (5.2.5) Description of activities included in commitment and implementation of commitment

*Transitioning into a Low-Carbon Economy Given CP Axtra's ambitious 2030 carbon neutral targets and aspirations for subsequent net zero goals by 2050, which align with the international commitments to combatting climate change, the Company's priorities within this space are to implement energy efficiency and renewable electricity initiatives across its operations. - Solar cell investment at 642 sites to reduced energy consumption: Lotus's 63,35,000 kWh Makro 162,500 kWh per year - Low EF refrigerants are incorporated at construction phase at 20 sites to reduce Scope 1 emissions of 18,562 tons of CO2 eq. per store per year. - Electric vehicles to reduce 62,909 tons of CO2 eq. per year - Shift to LED lightbulbs reduced energy consumption of 2,000,000 kWh per year. see more details at page 20 of TCFD report at <https://www.cpaxtra.com/storage/document/tcfid-reports/2023/tcfid-report-en.pdf>*

### (5.2.7) Mechanism by which feedback is collected from shareholders on your climate transition plan

Select from:

Our climate transition plan is voted on at Annual General Meetings (AGMs)

### (5.2.10) Description of key assumptions and dependencies on which the transition plan relies

*Following TCFD recommendations, CP Axtra categorized drivers into transition plan which are legal, market, technology, and reputation. Thailand's government's preparing for carbon tax regulation. The Company expects the phenomenon to escalate in the long term, resulting in a direct and/or indirect increase in operating expenditure (OpEx) for the business. The market driven shift in consumer behavior towards more sustainable or green products may lead to reduced revenue from lower demand from consumer behavior changes. The retail sector may need to increase investment in research and development in sourcing products with good sustainability profile to meet evolving customer preferences. In addition, increased public communications effort to highlight the company's sustainability performance. The innovation and technologies for low carbon equipment has significantly influence to the company's transition planning and action such as - EV technology and Hydrogen fuel cell truck is implemented through the company's value chain and owned by the Company. - Solar cell technology and service provider is key technology for scope 2 emission reduction. the deployment of renewable energy solutions - Low carbon refrigerant technology for cooling/refrigeration systems made significant progress in scope 1 emission reduction.*

### (5.2.11) Description of progress against transition plan disclosed in current or previous reporting period

*In 2023, the overall scope 12 emission has absolute 4,355.69 tons CO2 eq. (1% reduce from 2022 year) which are from many projects as - High-efficiency chillers, Replace lighting with LED, High-efficiency air conditioners, at retail stores. Energy-saving building at the head office can avoid 1,163 tons of CO2 eq. - Solar rooftop at stores, and distribution centers, Solar thermal for water heater system, Solar tube in the head office building avoid 81,211.44 tons of CO2 eq. - Use low-carbon refrigerants, Low EF refrigerant i.e R290 and R-448A can avoid 41,549.06 tons of CO2 eq - Converted fuel to the electric forklift, BEV and Hydrogen EV for, the delivery pickup truck can avoid 80,632.93 tons of CO2 eq. of scope 3 emission.*

### (5.2.12) Attach any relevant documents which detail your climate transition plan (optional)

*tcf-d-report-en.pdf*

### (5.2.13) Other environmental issues that your climate transition plan considers

*Select all that apply*

Plastics

### (5.2.14) Explain how the other environmental issues are considered in your climate transition plan

*While regulations on plastic packaging and products may not have direct impact on the company's core operations, they may place constraints on its value chain partners. Emerging and existing policies and regulations such as 'Thailand's Roadmap on Plastic Waste management' (2018-2030), which aims to direct 100% of target plastic wastes into the Circular Economy by 2027, can translate into higher compliance cost for collect and return the PCR plastic back to recycled process.*  
*[Fixed row]*

## (5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?

### (5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning

*Select from:*

Yes, both strategy and financial planning

### (5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy

*Select all that apply*

Products and services

Upstream/downstream value chain

Investment in R&D

Operations

*[Fixed row]*

### (5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.

## Products and services

### (5.3.1.1) Effect type

Select all that apply

- Risks
- Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- Climate change
- Forests
- Water

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*A shift in consumer behavior towards more sustainable or green products may lead to reduced revenue from lower demand from consumer behavior changes. Opportunity factor: There is more room for growth for sustainability-focused products and services as the market matures and such products and service migrate from niche market to end consumers. Overall impact direction: Green consumerism implies challenges in engaging with supply chain partners and to constantly source low-carbon products and services. At the time of the assessment, this driver presents a higher risk than opportunity due to the potential cost increase and revenue decrease from the transition.*

## Upstream/downstream value chain

### (5.3.1.1) Effect type

Select all that apply

- Risks

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- Climate change

Forests

Water

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Food and beverage supply chain may be affected by water stress as the production is water intensive. The agricultural commodities in CP Aextra's value chains are significantly affected by water stress, soil quality leading to supply shortages and increased costs of alternative suppliers.*

## Investment in R&D

### (5.3.1.1) Effect type

*Select all that apply*

Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

*Select all that apply*

Climate change

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*The retail sector may need to increase investment in research and development in sourcing products with good sustainability profile to meet carbon tax regulation or evolving customer preferences. In addition, increased public communications effort to highlight CP Aextra's sustainability performance and commitment to the market may be required.*

## Operations

### (5.3.1.1) Effect type

*Select all that apply*

Risks

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- Climate change
- Water

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*The cost of water for domestic use may go up during times of water stress and droughts. • There may be concerns on food safety if hygienic conditions of the supply chain and stores is affected by water stress, causing a potential reputational risk. • during extreme heat events, there may be an increased energy demand for cooling of indoor areas for equipment and personnel which can increase energy costs. • The storms and floods lead to structural damage to buildings. Debris and floodwaters may block key access routes for deliveries and interrupt the selling at store.*

[Add row]

### (5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.

#### Row 1

#### (5.3.2.1) Financial planning elements that have been affected

Select all that apply

- Revenues
- Direct costs
- Capital expenditures

#### (5.3.2.2) Effect type

Select all that apply

- Risks

#### (5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements

Select all that apply

- Climate change

Water

#### (5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements

*Increased direct costs – Temperature increased use of energy for cooling of indoor areas for personnel or temperatures sensitive products which can increase costs, additional product procurement due to spoils during transportation. or Water stress may impact the supplies, causing a limited increase in the cost of sales. Decrease revenues due to reduced sales capacity – during extreme heat, storm and flooding or water shortage at store negative effects on toilet, sanitation, hygiene and food safety.*

[Add row]

#### (5.4) In your organization’s financial accounting, do you identify spending/revenue that is aligned with your organization’s climate transition?

	Identification of spending/revenue that is aligned with your organization’s climate transition	Methodology or framework used to assess alignment with your organization’s climate transition
	Select from: <input checked="" type="checkbox"/> Yes	Select all that apply <input checked="" type="checkbox"/> Other methodology or framework

[Fixed row]

#### (5.4.1) Quantify the amount and percentage share of your spending/revenue that is aligned with your organization’s climate transition.

##### Row 1

#### (5.4.1.1) Methodology or framework used to assess alignment

Select from:

Other, please specify :Financial implecation s by self annual budgeting

#### (5.4.1.5) Financial metric

Select from:

Revenue/Turnover

#### (5.4.1.6) Amount of selected financial metric that is aligned in the reporting year (currency)

489949000000

#### (5.4.1.7) Percentage share of selected financial metric aligned in the reporting year (%)

92

#### (5.4.1.8) Percentage share of selected financial metric planned to align in 2025 (%)

100

#### (5.4.1.9) Percentage share of selected financial metric planned to align in 2030 (%)

100

#### (5.4.1.12) Details of the methodology or framework used to assess alignment with your organization's climate transition

*based on revenue of Thailand's trading as wholesale and retail stores including online and store including the revenue from rental area in shopping mall.  
[Add row]*

**(5.9) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?**

#### (5.9.1) Water-related CAPEX (+/- % change)

43

### (5.9.2) Anticipated forward trend for CAPEX (+/- % change)

44

### (5.9.3) Water-related OPEX (+/- % change)

-4.25

### (5.9.4) Anticipated forward trend for OPEX (+/- % change)

-3.87

### (5.9.5) Please explain

*The OPEX will decrease because the water saving program has implemented but CAPEX will be increased by the installation of water saving and treatment plan installation.*

*[Fixed row]*

### (5.10) Does your organization use an internal price on environmental externalities?

	Use of internal pricing of environmental externalities	Primary reason for not pricing environmental externalities	Explain why your organization does not price environmental externalities
	Select from: <input checked="" type="checkbox"/> No, but we plan to in the next two years	Select from: <input checked="" type="checkbox"/> No standardized procedure	<i>inadequate knowledge or figure guideline to implement.</i>

*[Fixed row]*

### (5.11) Do you engage with your value chain on environmental issues?



	Engaging with this stakeholder on environmental issues	Environmental issues covered
Suppliers	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Forests <input checked="" type="checkbox"/> Water <input checked="" type="checkbox"/> Plastics
Smallholders	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i>
Customers	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Water <input checked="" type="checkbox"/> Plastics
Investors and shareholders	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Plastics
Other value chain stakeholders	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Plastics

[Fixed row]

**(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?**

**Climate change**

### **(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment**

Select from:

- Yes, we assess the dependencies and/or impacts of our suppliers

### **(5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment**

Select all that apply

- Contribution to supplier-related Scope 3 emissions

### **(5.11.1.3) % Tier 1 suppliers assessed**

Select from:

- 76-99%

### **(5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment**

*All suppliers must have energy saving procedure and carbon footprint reduction plan at least 20%*

### **(5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

Select from:

- 26-50%

### **(5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

801

## **Forests**

### **(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment**

Select from:

- Yes, we assess the dependencies and/or impacts of our suppliers

### **(5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment**

Select all that apply

- Dependence on commodities
- Impact on deforestation or conversion of other natural ecosystems

### **(5.11.1.3) % Tier 1 suppliers assessed**

Select from:

- 76-99%

### **(5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment**

*Conduct the biodiversity risk assessment with location specific and TNFD, UNESCO World Heritage, and IUCN to assess own operation and adjacent area including the activities of upstream to downstream along the supply chain. To access biodiversity risk location with Integrated Biodiversity Assessment Tool (IBAT)*

### **(5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

Select from:

- 76-99%

### **(5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

4067

## **Water**

### **(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment**

Select from:

Yes, we assess the dependencies and/or impacts of our suppliers

### (5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment

Select all that apply

Dependence on water

### (5.11.1.3) % Tier 1 suppliers assessed

Select from:

76-99%

### (5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment

*In 2023, the Company discovered 87% of critical tier 1 suppliers consume water from water stress areas. Supplier must plan the effective water management to increase water usage efficiency and transparency, closely monitoring risk assessments with local authorities, expanding the database to monitor water usage or BCP for flooding crisis.*

### (5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

Select from:

51-75%

### (5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

573

## Plastics

### (5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment

Select from:

Yes, we assess the dependencies and/or impacts of our suppliers

#### (5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment

Select all that apply

Impact on plastic waste and pollution

#### (5.11.1.3) % Tier 1 suppliers assessed

Select from:

76-99%

#### (5.11.1.4) Define a threshold for classifying suppliers as having substantive dependencies and/or impacts on the environment

Supplier's product must be 100% recyclable material.

#### (5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

Select from:

76-99%

#### (5.11.1.6) Number of Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment

3183

[Fixed row]

#### (5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?

##### Climate change

#### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- Yes, we prioritize which suppliers to engage with on this environmental issue

#### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- In line with the criteria used to classify suppliers as having substantive dependencies and/or impacts relating to climate change
- Procurement spend
- Regulatory compliance

#### (5.11.2.4) Please explain

*The significant supplier is a supplier that is identified as a potential sustainability risk supplier. The screening of the significant suppliers by reviewing potential or actual suppliers' risks of the negative ESG impacts and business relevance risks or a combination of both. The risk covers factors of country, sector, and commodity-specific risks. Especially the climate, the criteria of total purchasing reflects to the number of products has sold by the company then it's also impact to scope 3 emission categories I: Purchased Goods and Services either.*

### Forests

#### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- Yes, we prioritize which suppliers to engage with on this environmental issue

#### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- In line with the criteria used to classify suppliers as having substantive dependencies and/or impacts relating to forests
- Procurement spend
- Regulatory compliance

#### (5.11.2.4) Please explain

*The significant supplier is a supplier that is identified as a potential sustainability risk supplier i.e location, country, sector, and commodity-specific risks.*

## Water

### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- Yes, we prioritize which suppliers to engage with on this environmental issue

### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- In line with the criteria used to classify suppliers as having substantive dependencies and/or impacts relating to water
- Procurement spend

### (5.11.2.4) Please explain

*The significant supplier is a supplier that is identified as the high dependencies and locate in water stress area.*

## Plastics

### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- Yes, we prioritize which suppliers to engage with on this environmental issue

### (5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue

Select all that apply

- In line with the criteria used to classify suppliers as having substantive dependencies and/or impacts relating to plastics
- Procurement spend
- Regulatory compliance

### (5.11.2.4) Please explain

The significant supplier is a supplier that is identified as a potential sustainability risk supplier i.e country, sector, and impact from plastic pollution and gap to the compliance.

[Fixed row]

## **(5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?**

### **Climate change**

#### **(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process**

Select from:

Yes, environmental requirements related to this environmental issue are included in our supplier contracts

#### **(5.11.5.2) Policy in place for addressing supplier non-compliance**

Select from:

Yes, we have a policy in place for addressing non-compliance

#### **(5.11.5.3) Comment**

*The CG & SD Committee (BOD level) is the accountable decision-making body for supply chain implementation plan approval The Responsible supply chain steering team members are heads of the QA, buyers, and operations departments. Their role is to ensure the Purchasing practices towards suppliers are continuously reviewed to ensure alignment with the Supplier Code of Conduct and to avoid potential conflicts with ESG requirements. All new supplier must qualify ESG criteria and all suppliers are informed of the exclusion from contracting if they cannot achieve minimum ESG requirements within the set timeframe (score 33% before starting or 55% within 2.5 years to continuing the business). Suppliers with better ESG performance are preferred by applying a minimum weight to ESG criteria in supplier selection and contract awarding. All suppliers shall comply with all environmental laws and regulations and should adhere to environmentally friendly practices as follows: - Utilize energy and water efficiently and manage waste effectively. - Contribute to climate change mitigation, reduce greenhouse gas emissions and energy consumption, protect biodiversity and ecosystem, No deforestation and land conservation see more detail in annual reporting page 182 at <https://www.cpaxtra.com/en/document/viewer/98107/sustainability-report-2023> and supplier code of conduct page 10-11 <https://www.cpaxtra.com/storage/document/sustainability/supplier-code-of-conduct-en.pdf>*

### **Forests**



### **(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process**

Select from:

- Yes, environmental requirements related to this environmental issue are included in our supplier contracts

### **(5.11.5.2) Policy in place for addressing supplier non-compliance**

Select from:

- Yes, we have a policy in place for addressing non-compliance

### **(5.11.5.3) Comment**

*All suppliers shall not locate in the natural protection area or involvement with deforestation. and the existing supplier will get the exclusion from contracting if they involve the deforestation or illegally encroaching on the reserved forest or natural protection area. Also contribute protect biodiversity and ecosystem, No deforestation and respect to land rights. conservation see more detail at supplier code of conduct page 10-11  
<https://www.cpaxtra.com/storage/document/sustainability/supplier-code-of-conduct-en.pdf>*

## **Water**

### **(5.11.5.1) Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process**

Select from:

- Yes, environmental requirements related to this environmental issue are included in our supplier contracts

### **(5.11.5.2) Policy in place for addressing supplier non-compliance**

Select from:

- Yes, we have a policy in place for addressing non-compliance

### **(5.11.5.3) Comment**

*All suppliers shall comply with all environmental laws and regulations and should adhere to environmentally friendly practices as follows: - Utilize energy and water efficiently and manage waste effectively. - Contribute to climate change mitigation, reduce greenhouse gas emissions and energy consumption, protect biodiversity*

and ecosystem, No deforestation and land conservation see more detail at supplier code of conduct page 10-11  
<https://www.cpaxtra.com/storage/document/sustainability/supplier-code-of-conduct-en.pdf>  
[Fixed row]

## **(5.11.6) Provide details of the environmental requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.**

### **Climate change**

#### **(5.11.6.1) Environmental requirement**

*Select from:*

- Monitoring and reduction of Product Carbon Footprint (PCF)/ product life-cycle emissions

#### **(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement**

*Select all that apply*

- Grievance mechanism/ Whistleblowing hotline
- Supplier scorecard or rating
- Supplier self-assessment

#### **(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement**

*Select from:*

- 76-99%

#### **(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement**

*Select from:*

- 51-75%

#### **(5.11.6.7) % tier 1 supplier-related scope 3 emissions attributable to the suppliers required to comply with this environmental requirement**

Select from:

76-99%

### **(5.11.6.8) % tier 1 supplier-related scope 3 emissions attributable to the suppliers in compliance with this environmental requirement**

Select from:

1-25%

### **(5.11.6.9) Response to supplier non-compliance with this environmental requirement**

Select from:

Retain and engage

### **(5.11.6.10) % of non-compliant suppliers engaged**

Select from:

100%

### **(5.11.6.11) Procedures to engage non-compliant suppliers**

Select all that apply

Developing quantifiable, time-bound targets and milestones to bring suppliers back into compliance

### **(5.11.6.12) Comment**

*The supplier comply with low carbon product only 58 supplier or 1.4% of total significant suppliers. The motivation program and training are provide to annual supplier training.*

## **Forests**

### **(5.11.6.1) Environmental requirement**

Select from:

No deforestation or conversion of other natural ecosystems

### **(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement**

*Select all that apply*

- Grievance mechanism/ Whistleblowing hotline
- Supplier scorecard or rating
- Supplier self-assessment

### **(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement**

*Select from:*

- 76-99%

### **(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement**

*Select from:*

- 76-99%

### **(5.11.6.5) % tier 1 suppliers with substantive environmental dependencies and/or impacts related to this environmental issue required to comply with this environmental requirement**

*Select from:*

- 76-99%

### **(5.11.6.6) % tier 1 suppliers with substantive environmental dependencies and/or impacts related to this environmental issue that are in compliance with this environmental requirement**

*Select from:*

- 76-99%

### **(5.11.6.9) Response to supplier non-compliance with this environmental requirement**

*Select from:*

- Exclude

## **(5.11.6.12) Comment**

*The supplier against the environmental regulation, illegal encroaching the natural protection area or involve deforestation must be terminate their contract with company.*

## **Water**

### **(5.11.6.1) Environmental requirement**

*Select from:*

- Setting and monitoring water pollution-related targets

### **(5.11.6.2) Mechanisms for monitoring compliance with this environmental requirement**

*Select all that apply*

- Grievance mechanism/ Whistleblowing hotline
- Supplier scorecard or rating
- Supplier self-assessment

### **(5.11.6.3) % tier 1 suppliers by procurement spend required to comply with this environmental requirement**

*Select from:*

- 76-99%

### **(5.11.6.4) % tier 1 suppliers by procurement spend in compliance with this environmental requirement**

*Select from:*

- 76-99%

### **(5.11.6.5) % tier 1 suppliers with substantive environmental dependencies and/or impacts related to this environmental issue required to comply with this environmental requirement**

*Select from:*

- 76-99%

**(5.11.6.6) % tier 1 suppliers with substantive environmental dependencies and/or impacts related to this environmental issue that are in compliance with this environmental requirement**

Select from:

76-99%

**(5.11.6.9) Response to supplier non-compliance with this environmental requirement**

Select from:

Retain and engage

**(5.11.6.10) % of non-compliant suppliers engaged**

Select from:

100%

**(5.11.6.11) Procedures to engage non-compliant suppliers**

Select all that apply

Developing quantifiable, time-bound targets and milestones to bring suppliers back into compliance

**(5.11.6.12) Comment**

*The supplier has issue with water effluent exceed the regulation will be hold the contract or suspend the purchasing order until their fixing the issue with the authorized and feedback the evident to company to release the suspension.*

[Add row]

**(5.11.7) Provide further details of your organization's supplier engagement on environmental issues.**

**Climate change**

**(5.11.7.2) Action driven by supplier engagement**

Select from:

- Emissions reduction

### (5.11.7.3) Type and details of engagement

#### Capacity building

- Support suppliers to set their own environmental commitments across their operations

#### Financial incentives

- Feature environmental performance in supplier awards scheme
- Include long-term contracts linked to environmental commitments

### (5.11.7.4) Upstream value chain coverage

Select all that apply

- Tier 1 suppliers

### (5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

- 76-99%

### (5.11.7.6) % of tier 1 supplier-related scope 3 emissions covered by engagement

Select from:

- 76-99%

### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*Promote Low Carbon Network in Supply Chain As target to reducing indirect carbon emission along the supply chain from suppliers by motivate supplier to reduce carbon emission through the product and services through the activities of "Supply Chain Sustainability Excellence Award" in the category of "Climate Action Network" in the 16th Makro HORECA 2023. The company recognizes the products which are certified by Thailand Greenhouse Gases Management Organization (TGO) and conduct continuously promotes the kinds of lower carbon products. Moreover, the sales amounts of lower carbon products are monitored and added score for supplier's ESG assessment. In 2023, Sale amount of Low Carbon products 20% compared to last year. avoid emission 9,512 tons of CO2 eq Also the "Electrical*

Vehicle Utilization" Project all product delivery suppliers shift from fuel pick up truck to EV truck. In 2033, the scope 3 has reduce energy saving 1,204,962.37 Baht per year. avoid carbon emission scope 3 transportation 77,421.80 tons of CO2 eq.

#### **(5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue**

Select from:

Yes, please specify the environmental requirement :carbon reduction

#### **(5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action**

Select from:

Yes

### **Forests**

#### **(5.11.7.1) Commodity**

Select from:

Palm oil

#### **(5.11.7.2) Action driven by supplier engagement**

Select from:

No deforestation and/or conversion of other natural ecosystems

#### **(5.11.7.3) Type and details of engagement**

##### **Capacity building**

Support suppliers to set their own environmental commitments across their operations

##### **Financial incentives**

Include long-term contracts linked to environmental commitments



#### (5.11.7.4) Upstream value chain coverage

Select all that apply

Tier 1 suppliers

#### (5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

76-99%

#### (5.11.7.7) % tier 1 suppliers with substantive impacts and/or dependencies related to this environmental issue covered by engagement

Select from:

76-99%

#### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*Target: 100% own operation and critical supplier are assessed the biodiversity risk and 100% Employee and Awareness & Training Stores and distribution center (172 branches) Result: 100% of Critical tier 1 supplier (328 suppliers) and tier 1 suppliers are not located in the conservation area and Critical tier 1 supplier has no violation, complaint or related environment issue.*

#### (5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue

Select from:

Yes, please specify the environmental requirement :No deforestation

#### (5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

Yes

## Water

### (5.11.7.2) Action driven by supplier engagement

Select from:

- Total water withdrawal volumes reduction

### (5.11.7.3) Type and details of engagement

#### Financial incentives

- Include long-term contracts linked to environmental commitments

#### Information collection

- Collect water quality information at least annually from suppliers (e.g., discharge quality, pollution incidents, hazardous substances)

### (5.11.7.4) Upstream value chain coverage

Select all that apply

- Tier 1 suppliers

### (5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

- 76-99%

### (5.11.7.7) % tier 1 suppliers with substantive impacts and/or dependencies related to this environmental issue covered by engagement

Select from:

- 76-99%

### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*"For Better Life of High Land Farmer" Project The project aims to survey, educate, and promote farmers in the northern and northeast provinces which are chronic water stress areas. For improving the efficiency of agriculture production and preventing food loss. The Company collaborates with the Department of Agricultural Extension and universities to enhance the farmers' better farming for their better life i.e. use of the water-dropping system, stopping chemical pesticides, and*

transforming to organic farming. The Company also sharing for fruit and vegetable species that consume less water and high demand from consumers to prevent food loss. Altogether, purchasing their projects to sell in upcountry stores.

#### **(5.11.7.10) Engagement is helping your tier 1 suppliers meet an environmental requirement related to this environmental issue**

Select from:

- Yes, please specify the environmental requirement :wastewater effluent compliance with regulation

#### **(5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action**

Select from:

- Yes

### **Plastics**

#### **(5.11.7.2) Action driven by supplier engagement**

Select from:

- Circular economy

#### **(5.11.7.3) Type and details of engagement**

##### **Capacity building**

- Support suppliers to set their own environmental commitments across their operations

##### **Financial incentives**

- Feature environmental performance in supplier awards scheme
- Include long-term contracts linked to environmental commitments

##### **Innovation and collaboration**

- Engage with suppliers to advocate for policy or regulatory change to address environmental challenges
- Run a campaign to encourage innovation to reduce environmental impacts on products and services

#### (5.11.7.4) Upstream value chain coverage

Select all that apply

Tier 1 suppliers

#### (5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement

Select from:

76-99%

#### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*The company establishes a sustainable packaging policy. There are operational guidelines covering various issues such as creating engagement with stakeholders to manage packaging in a complete manner. Design and selection of packaging for aro (Own Brand) products to be environmentally friendly. According to the concept of the circular economy (Circular Economy). This project has selected quality mineral water that is good for health, certified to GMP and ISO 22000 standards, and also designed the packaging to be environmentally friendly. By reducing the use of plastic in PET plastic packaging that is unnecessary. By researching and developing packaging to maintain its properties. But using a reduced amount of material. Modify label format And do not use ink to print the ate of manufacture on the bottles so that the bottles are 100% recyclable. Change plastic packaging to PCR plastic to reduce the amount of waste created from new plastics. According to the concept of material recycling (Recycled Material/Recycled Content*

#### (5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

Yes

[Add row]

#### (5.11.8) Provide details of any environmental smallholder engagement activity

##### Row 1

#### (5.11.8.1) Commodity

Select from:

Coffee

### (5.11.8.2) Type and details of smallholder engagement approach

#### Capacity building

- Prioritize support for smallholders in regions at high-risk of deforestation and conversion of other natural ecosystems
- Provide training, support and best practices on sustainable agriculture practices and nutrient management

### (5.11.8.3) Number of smallholders engaged

884

### (5.11.8.4) Effect of engagement and measures of success

*"For Better Life of High Land Farmer" Project The project aims to survey, educate, and promote farmers in the northern and northeast provinces which are chronic water stress areas. For improving the efficiency of agriculture production and preventing food loss. The Company collaborates with the Department of Agricultural Extension and universities to enhance the farmers' better farming for their better life i.e. use of the water-dropping system, stopping chemical pesticides, and transforming to organic farming. The Company also sharing for fruit and vegetable species that consume less water and high demand from consumers to prevent food loss. Altogether, purchasing their projects to sell in upcountry stores.*

[Add row]

### (5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

#### Climate change

### (5.11.9.1) Type of stakeholder

Select from:

- Investors and shareholders

### (5.11.9.2) Type and details of engagement

#### Education/Information sharing

- Share information on environmental initiatives, progress and achievements

### (5.11.9.3) % of stakeholder type engaged

Select from:

76-99%

### (5.11.9.4) % stakeholder-associated scope 3 emissions

Select from:

76-99%

### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*The investor and shareholders are the most active stakeholder group to raise the question about climate resilience and carbon reduction target and plan. The question are raised during the Annual General Meeting of Shareholders (AGM), Quarterly Analysts Meeting and Investor meeting. Furthermore, the local and global investment analyst also requires the interview, questionnaire and survey for planning and action from the company to evaluate the ESG rating.*

### (5.11.9.6) Effect of engagement and measures of success

*the effect is high level to drive the action and performance of each year. Also transparency reporting and data analysis.*

## Water

### (5.11.9.1) Type of stakeholder

Select from:

Customers

### (5.11.9.2) Type and details of engagement

#### Other

Other, please specify :Communicate through the company's media, including pictures and stickers, to raise water stewardship awareness to employees, customer, and public

### (5.11.9.3) % of stakeholder type engaged

Select from:

Unknown

#### **(5.11.9.5) Rationale for engaging these stakeholders and scope of engagement**

*The majority water usage which directly impact to own facility water consumption is contributed from customer (toilets). Enhancing to shift the customer water awareness by communication t to employees, customer, and public is important for water saving program.*

#### **(5.11.9.6) Effect of engagement and measures of success**

*The impact is significant effective if the customer will be alerted by picture at the site altogether with the effective maintenance program.  
[Add row]*

## C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

	Consolidation approach used	Provide the rationale for the choice of consolidation approach
Climate change	Select from: <input checked="" type="checkbox"/> Financial control	<i>CP Aextra has financial control over Makro and Lotus's for the purposes of financial consolidation.</i>
Forests	Select from: <input checked="" type="checkbox"/> Financial control	<i>CP Aextra has financial control over Makro and Lotus's for the purposes of financial consolidation.</i>
Water	Select from: <input checked="" type="checkbox"/> Financial control	<i>CP Aextra has financial control over Makro and Lotus's for the purposes of financial consolidation.</i>
Plastics	Select from: <input checked="" type="checkbox"/> Financial control	<i>CP Aextra has financial control over Makro and Lotus's for the purposes of financial consolidation.</i>
Biodiversity	Select from: <input checked="" type="checkbox"/> Financial control	<i>CP Aextra has financial control over Makro and Lotus's for the purposes of financial consolidation.</i>

[Fixed row]



## C7. Environmental performance - Climate Change

### (7.1) Is this your first year of reporting emissions data to CDP?

Select from:

No

### (7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

#### (7.1.1.1) Has there been a structural change?

Select all that apply

Yes, an acquisition

#### (7.1.1.2) Name of organization(s) acquired, divested from, or merged with

*CP Axtra Public Company Limited was established in 1988 in Thailand. The company shares have been listed on The Stock Exchange of Thailand (SET) since 1994 under the ticker symbol "MAKRO". In 2021, the company acquired the Lotus's (Ek Chai Distribution Co.ltd) and completed the Acquisition on 25 October 2021. Later on 15 June 2023, the company changed name to be "CPAxtra" PCL.*

#### (7.1.1.3) Details of structural change(s), including completion dates

*After Siam makro completely acquired Lotus's on 25 October 2021 and change to new name as CPAxtra on 15 June 2023. Presently the Company's business is divided into two core businesses 1) Wholesale business consists of the Company's wholesale stores under brand "Makro" in Thailand and international and Foodservice business. 2) Retail business, which stores are operated under brand Lotus's since 2022, the environment data and performance including GHG has been consolidated and publicly reported both Makro-Lotus's and re-adjust to 2020 baseline. The consolidate has been audited by external party (LRQA) every year. <https://www.cpacxtra.com/storage/document/sustainability/third-party-assurance-letter.pdf>  
[Fixed row]*

## **(7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?**

### **(7.1.2.1) Change(s) in methodology, boundary, and/or reporting year definition?**

*Select all that apply*

- Yes, a change in boundary

### **(7.1.2.2) Details of methodology, boundary, and/or reporting year definition change(s)**

*The change of scope 2 that has reported as market based and location based GHG. Then re-adjust back to 2020. and added the GHG scope 3: category of employee commuting and downstream leased from the existing.*

*[Fixed row]*

## **(7.1.3) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?**

### **(7.1.3.1) Base year recalculation**

*Select from:*

- Yes

### **(7.1.3.2) Scope(s) recalculated**

*Select all that apply*

- Scope 2, location-based
- Scope 2, market-based
- Scope 3

### **(7.1.3.3) Base year emissions recalculation policy, including significance threshold**

The GHG emission data for scope 1,2 and 3 are disclosed within the company's sustainability website and Annual Integrated Report (56-1 one report) as Thai Stock Exchange requirement. The adjustment for GHG emission for any significant changes, that increase/decrease in emissions of greater than 5%. But the company also choose to recalculate our baseline for changes less than 5% if the change as below criteria: a) Structural Changes Structural changes that significantly impact our base year GHG emissions and may trigger the adjustment of the baseline include acquisitions, divestitures or mergers. When significant structural changes occur in the middle of a year, the current and baseline year will be recalculated for the entire year. In the event of an acquisition, in order to ensure that full and accurate data are available, recalculation may be carried out up to one year after the structural change has occurred. b) Calculation Methodology Changes Methodology changes that significantly impact our base year GHG emissions and may trigger the adjustment of the baseline include updated emission factors, improved data access or updated calculation methods or protocols i.e market based, and location based. c) Data Errors or Other Changes The recalculate occur if discovery of a significant error, or a number of cumulative errors that together are significant. or Other error from change of organization structure or operations that may impact to emission and baseline. d) Timeline Baseline adjustments will occur at the end of each fiscal year if the company identify any change the requirement in the reporting period which may require to recalculate the base year. <https://www.cpaxtra.com/storage/document/sustainability/base-year-emission-recalculation.pdf>

#### (7.1.3.4) Past years' recalculation

Select from:

Yes

[Fixed row]

#### (7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.

Select all that apply

IPCC Guidelines for National Greenhouse Gas Inventories, 2006

Thailand Greenhouse Gas Management Organization: The National Guideline Carbon Footprint for organization

US EPA Center for Corporate Climate Leadership: Direct Fugitive Emissions from Refrigeration, Air Conditioning, Fire Suppression, and Industrial Gases

#### (7.3) Describe your organization's approach to reporting Scope 2 emissions.

##### (7.3.1) Scope 2, location-based

Select from:

We are reporting a Scope 2, location-based figure

### (7.3.2) Scope 2, market-based

Select from:

- We are reporting a Scope 2, market-based figure

### (7.3.3) Comment

*In 2023, the company calculated both location and market-based approach and recalculate back to 2020. see more detail at <https://www.cpaxtra.com/storage/document/sustainability/ghg-emission-data-target-en.pdf>  
[Fixed row]*

**(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?**

Select from:

- Yes

**(7.4.1) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.**

#### Row 1

##### (7.4.1.1) Source of excluded emissions

*sell of electronic equipment i.e air con, refrigerator*

##### (7.4.1.2) Scope(s) or Scope 3 category(ies)

Select all that apply

- Scope 3: Use of sold products  
 Scope 3: End-of-life treatment of sold products

##### (7.4.1.6) Relevance of Scope 3 emissions from this source

Select from:

Emissions are relevant but not yet calculated

**(7.4.1.9) Estimated percentage of total Scope 3 emissions this excluded source represents**

10

**(7.4.1.10) Explain why this source is excluded**

*Inadequate data for calculation*

**(7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents**

*Based on the purchasing ratio*

**Row 5**

**(7.4.1.1) Source of excluded emissions**

*No franchises*

**(7.4.1.2) Scope(s) or Scope 3 category(ies)**

*Select all that apply*

Scope 3: Franchises

**(7.4.1.6) Relevance of Scope 3 emissions from this source**

Select from:

Emissions are not relevant

**(7.4.1.9) Estimated percentage of total Scope 3 emissions this excluded source represents**

0

#### (7.4.1.10) Explain why this source is excluded

*The company has not the franchise activities.*

#### (7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents

*Based on present business model*

### Row 6

#### (7.4.1.1) Source of excluded emissions

*no investment activity*

#### (7.4.1.2) Scope(s) or Scope 3 category(ies)

*Select all that apply*

Scope 3: Investments

#### (7.4.1.6) Relevance of Scope 3 emissions from this source

*Select from:*

Emissions are not relevant

#### (7.4.1.9) Estimated percentage of total Scope 3 emissions this excluded source represents

0

#### (7.4.1.10) Explain why this source is excluded

*The company has not R&D or investment activities.*

#### (7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents

*Based on present business model*

*[Add row]*

**(7.5) Provide your base year and base year emissions.**

**Scope 1**

**(7.5.1) Base year end**

12/30/2021

**(7.5.2) Base year emissions (metric tons CO2e)**

84163.25

**(7.5.3) Methodological details**

*GHG Protocol and IPCC for fuel & refrigerant. Consolidate Makro and Lotus's and readjust to 2020 Year.*

**Scope 2 (location-based)**

**(7.5.1) Base year end**

12/30/2021

**(7.5.2) Base year emissions (metric tons CO2e)**

527836.09

**(7.5.3) Methodological details**

*GHG Protocol for grid electricity. Consolidate Makro and Lotus's and readjust to 2020 Year.*

**Scope 2 (market-based)**

**(7.5.1) Base year end**

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

527836.09

### (7.5.3) Methodological details

*GHG Protocol and IPCC for renewable energy (solar cell) Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Scope 3 category 1: Purchased goods and services

### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

7179213.47

### (7.5.3) Methodological details

*GHG Protocol scope 3: Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Scope 3 category 2: Capital goods

### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details



*GHG Protocol Scope 3<sub>i</sub> Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)**

#### **(7.5.1) Base year end**

12/30/2021

#### **(7.5.2) Base year emissions (metric tons CO<sub>2</sub>e)**

0

#### **(7.5.3) Methodological details**

*GHG Protocol Scope 3<sub>i</sub> Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3 category 4: Upstream transportation and distribution**

#### **(7.5.1) Base year end**

12/30/2021

#### **(7.5.2) Base year emissions (metric tons CO<sub>2</sub>e)**

78890.74

#### **(7.5.3) Methodological details**

*GHG Protocol Scope 3<sub>i</sub> Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3 category 5: Waste generated in operations**

#### **(7.5.1) Base year end**

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

### Scope 3 category 6: Business travel

#### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

156.7

### (7.5.3) Methodological details

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

### Scope 3 category 7: Employee commuting

#### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

214850.34

### (7.5.3) Methodological details

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Scope 3 category 8: Upstream leased assets

### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

0

### (7.5.3) Methodological details

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Scope 3 category 9: Downstream transportation and distribution

### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

9671.69

### (7.5.3) Methodological details

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Scope 3 category 10: Processing of sold products

### (7.5.1) Base year end

12/30/2021

### (7.5.2) Base year emissions (metric tons CO2e)

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3 category 11: Use of sold products**

#### **(7.5.1) Base year end**

12/30/2021

#### **(7.5.2) Base year emissions (metric tons CO2e)**

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3 category 12: End of life treatment of sold products**

#### **(7.5.1) Base year end**

12/30/2021

#### **(7.5.2) Base year emissions (metric tons CO2e)**

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3 category 13: Downstream leased assets**

### **(7.5.1) Base year end**

12/30/2021

### **(7.5.2) Base year emissions (metric tons CO2e)**

231548.59

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

## **Scope 3 category 14: Franchises**

### **(7.5.1) Base year end**

12/30/2021

### **(7.5.2) Base year emissions (metric tons CO2e)**

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

## **Scope 3 category 15: Investments**

### **(7.5.1) Base year end**

12/30/2021

### **(7.5.2) Base year emissions (metric tons CO2e)**

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3: Other (upstream)**

#### **(7.5.1) Base year end**

12/30/2021

#### **(7.5.2) Base year emissions (metric tons CO2e)**

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Scope 3: Other (downstream)**

#### **(7.5.1) Base year end**

12/30/2021

#### **(7.5.2) Base year emissions (metric tons CO2e)**

0

### **(7.5.3) Methodological details**

*GHG Protocol Scope 3, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

*[Fixed row]*

### **(7.6) What were your organization's gross global Scope 1 emissions in metric tons CO2e?**

	Gross global Scope 1 emissions (metric tons CO2e)	End date	Methodological details
Reporting year	127514.85	Date input [must be between [10/01/2015 - 10/01/2023]	GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.
Past year 1	127514.85	10/01/2023	GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.
Past year 2	146753.65	12/30/2022	GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.
Past year 3	84163.25	12/30/2021	GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.
Past year 4	53907.17	12/30/2020	GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.

[Fixed row]

## (7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?

### Reporting year

#### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

649634.11

#### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

568412.67

#### (7.7.4) Methodological details

GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.

## Past year 1

### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

649634.11

### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

568412.67

### (7.7.3) End date

10/01/2023

### (7.7.4) Methodological details

*GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Past year 2

### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

571333.11

### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

571333.11

### (7.7.3) End date

12/30/2022

### (7.7.4) Methodological details

*GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*



### Past year 3

#### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

527836.09

#### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

527836.09

#### (7.7.3) End date

12/30/2021

#### (7.7.4) Methodological details

*GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

### Past year 4

#### (7.7.1) Gross global Scope 2, location-based emissions (metric tons CO2e)

553363.46

#### (7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)

553363.46

#### (7.7.3) End date

12/30/2020

#### (7.7.4) Methodological details

*GHG Protocol, disclosed as the Consolidate Makro and Lotus's and readjust to 2020 Year.*

*[Fixed row]*

## **(7.8) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.**

### **Purchased goods and services**

#### **(7.8.1) Evaluation status**

Select from:

Relevant, calculated

#### **(7.8.2) Emissions in reporting year (metric tons CO2e)**

7261018.37

#### **(7.8.3) Emissions calculation methodology**

Select all that apply

Spend-based method

#### **(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners**

100

#### **(7.8.5) Please explain**

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

### **Capital goods**

#### **(7.8.1) Evaluation status**

Select from:

Relevant, calculated

## (7.8.2) Emissions in reporting year (metric tons CO2e)

540

## (7.8.3) Emissions calculation methodology

Select all that apply

Spend-based method

## (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

## (7.8.5) Please explain

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Fuel-and-energy-related activities (not included in Scope 1 or 2)

## (7.8.1) Evaluation status

Select from:

Not evaluated

## (7.8.5) Please explain

*not yet calculated*

## Upstream transportation and distribution

## (7.8.1) Evaluation status

Select from:

Relevant, calculated

## (7.8.2) Emissions in reporting year (metric tons CO2e)

110740

## (7.8.3) Emissions calculation methodology

Select all that apply

Fuel-based method

Distance-based method

## (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

## (7.8.5) Please explain

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Waste generated in operations

### (7.8.1) Evaluation status

Select from:

Relevant, not yet calculated

### (7.8.5) Please explain

*not yet calculated*

## Business travel

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

724.11

### (7.8.3) Emissions calculation methodology

Select all that apply

Distance-based method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

### (7.8.5) Please explain

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Employee commuting

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

209196.58

### (7.8.3) Emissions calculation methodology

Select all that apply

Other, please specify

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

**(7.8.5) Please explain**

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

**Upstream leased assets****(7.8.1) Evaluation status**

*Select from:*

Not relevant, explanation provided

**(7.8.5) Please explain**

*Not have upstream leased assets*

**Downstream transportation and distribution****(7.8.1) Evaluation status**

*Select from:*

Relevant, calculated

**(7.8.2) Emissions in reporting year (metric tons CO<sub>2</sub>e)**

*18700.64*

**(7.8.3) Emissions calculation methodology**

*Select all that apply*

Fuel-based method

Distance-based method

**(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners**

**(7.8.5) Please explain**

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

**Processing of sold products****(7.8.1) Evaluation status**

*Select from:*

Relevant, not yet calculated

**(7.8.5) Please explain**

*not yet calculated*

**Use of sold products****(7.8.1) Evaluation status**

*Select from:*

Relevant, not yet calculated

**(7.8.5) Please explain**

*not yet calculated*

**End of life treatment of sold products****(7.8.1) Evaluation status**

*Select from:*

Relevant, not yet calculated

### (7.8.5) Please explain

*not yet calculated*

## Downstream leased assets

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

217432.92

### (7.8.3) Emissions calculation methodology

Select all that apply

Asset-specific method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

### (7.8.5) Please explain

*GHG Protocol Scope 3. Consolidate Makro and Lotus's and readjust to 2020 Year.*

## Franchises

### (7.8.1) Evaluation status

Select from:

Not relevant, calculated



### (7.8.2) Emissions in reporting year (metric tons CO2e)

0

### (7.8.3) Emissions calculation methodology

Select all that apply

Franchise-specific method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

no franchise

## Investments

### (7.8.1) Evaluation status

Select from:

Not relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

0

### (7.8.3) Emissions calculation methodology

Select all that apply

Investment-specific method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

### (7.8.5) Please explain

*no investment activity*

### Other (upstream)

### (7.8.1) Evaluation status

Select from:

Not evaluated

### (7.8.5) Please explain

*no other upstream*

### Other (downstream)

### (7.8.1) Evaluation status

Select from:

Not evaluated

### (7.8.5) Please explain

*no other downstream*

*[Fixed row]*

### (7.8.1) Disclose or restate your Scope 3 emissions data for previous years.

### Past year 1

### (7.8.1.1) End date

10/01/2023

**(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)**

7261018.37

**(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)**

540

**(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

0

**(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)**

110740

**(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)**

0

**(7.8.1.7) Scope 3: Business travel (metric tons CO2e)**

724.11

**(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)**

209196.58

**(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)**

0

**(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)**

18700.64

**(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)**

0

**(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)**

0

**(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)**

0

**(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)**

217432.92

**(7.8.1.15) Scope 3: Franchises (metric tons CO2e)**

0

**(7.8.1.16) Scope 3: Investments (metric tons CO2e)**

0

**(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)**

0

**(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)**

0

**(7.8.1.19) Comment**

Covers 6 categories of Scope 3 GHG emissions as product & services, transportation and distribution (upstream and downstream), business travel, employee commuting, downstream leased assets.

## Past year 2

### (7.8.1.1) End date

12/30/2022

### (7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

6731804.01

### (7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

0

### (7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

0

### (7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

134109.67

### (7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

0

### (7.8.1.7) Scope 3: Business travel (metric tons CO2e)

1755.11

### (7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

211126.56

**(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)**

0

**(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)**

8411.85

**(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)**

0

**(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)**

0

**(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)**

0

**(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)**

228186.94

**(7.8.1.15) Scope 3: Franchises (metric tons CO2e)**

0

**(7.8.1.16) Scope 3: Investments (metric tons CO2e)**

0

**(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)**

0

**(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)**

0

**(7.8.1.19) Comment**

*Covers 4 categories of Scope 3 GHG emissions as product & services, transportation and distribution ( upstream and downstream), business travel.*

**Past year 3**

**(7.8.1.1) End date**

12/30/2021

**(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)**

7179214.47

**(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)**

0

**(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

0

**(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)**

78890.74

**(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)**

0

**(7.8.1.7) Scope 3: Business travel (metric tons CO2e)**

156.7

**(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)**

214850.34

**(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)**

0

**(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)**

9671.69

**(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)**

0

**(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)**

0

**(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)**

0

**(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)**

231548.59

**(7.8.1.15) Scope 3: Franchises (metric tons CO2e)**

0

**(7.8.1.16) Scope 3: Investments (metric tons CO2e)**



0

**(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)**

0

**(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)**

0

**(7.8.1.19) Comment**

*Covers 2 categories of Scope 3 GHG emissions as upstream and business travel.*

**Past year 4**

**(7.8.1.1) End date**

12/30/2020

**(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)**

6205158.14

**(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)**

0

**(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)**

0

**(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)**

63860.73

**(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)**

0

**(7.8.1.7) Scope 3: Business travel (metric tons CO2e)**

300.03

**(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)**

50008.68

**(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)**

0

**(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)**

6434.28

**(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)**

0

**(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)**

0

**(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)**

0

**(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)**

185542.51

**(7.8.1.15) Scope 3: Franchises (metric tons CO2e)**

0

**(7.8.1.16) Scope 3: Investments (metric tons CO2e)**

0

**(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)**

0

**(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)**

0

**(7.8.1.19) Comment**

*Covers 2 categories of Scope 3 GHG emissions as upstream and business travel.  
[Fixed row]*

**(7.9) Indicate the verification/assurance status that applies to your reported emissions.**

	Verification/assurance status
Scope 1	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place

	Verification/assurance status
Scope 3	<i>Select from:</i> <input checked="" type="checkbox"/> Third-party verification or assurance process in place

[Fixed row]

**(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.**

## Row 1

### (7.9.1.1) Verification or assurance cycle in place

*Select from:*

Annual process

### (7.9.1.2) Status in the current reporting year

*Select from:*

Complete

### (7.9.1.3) Type of verification or assurance

*Select from:*

Reasonable assurance

### (7.9.1.4) Attach the statement

*makro-sd-report-2023-en (4).pdf*

### (7.9.1.5) Page/section reference

412

### (7.9.1.6) Relevant standard

Select from:

AA1000AS

### (7.9.1.7) Proportion of reported emissions verified (%)

100

## Row 2

### (7.9.1.1) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.1.2) Status in the current reporting year

Select from:

Complete

### (7.9.1.3) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.1.4) Attach the statement

*third-party-assurance-letter.pdf*

### (7.9.1.5) Page/section reference

**(7.9.1.6) Relevant standard**

Select from:

AA1000AS

**(7.9.1.7) Proportion of reported emissions verified (%)**

100

[Add row]

**(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.**

**Row 1****(7.9.2.1) Scope 2 approach**

Select from:

Scope 2 location-based

**(7.9.2.2) Verification or assurance cycle in place**

Select from:

Annual process

**(7.9.2.3) Status in the current reporting year**

Select from:

Complete

**(7.9.2.4) Type of verification or assurance**

Select from:

Reasonable assurance

### (7.9.2.5) Attach the statement

*third-party-assurance-letter.pdf*

### (7.9.2.6) Page/ section reference

412

### (7.9.2.7) Relevant standard

Select from:

Other, please specify :GRI Standards (2021)

### (7.9.2.8) Proportion of reported emissions verified (%)

100

## Row 2

### (7.9.2.1) Scope 2 approach

Select from:

Scope 2 market-based

### (7.9.2.2) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.2.3) Status in the current reporting year

Select from:

Complete

#### (7.9.2.4) Type of verification or assurance

Select from:

Reasonable assurance

#### (7.9.2.5) Attach the statement

*third-party-assurance-letter.pdf*

#### (7.9.2.6) Page/ section reference

412

#### (7.9.2.7) Relevant standard

Select from:

Other, please specify :GRI Standards (2021)

#### (7.9.2.8) Proportion of reported emissions verified (%)

100

[Add row]

**(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.**

#### Row 1

#### (7.9.3.1) Scope 3 category

Select all that apply

Scope 3: Purchased goods and services



### (7.9.3.2) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.3.3) Status in the current reporting year

Select from:

Complete

### (7.9.3.4) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.3.5) Attach the statement

*third-party-assurance-letter.pdf*

### (7.9.3.6) Page/section reference

412

### (7.9.3.7) Relevant standard

Select from:

Other, please specify :GRI Standards (2021)

### (7.9.3.8) Proportion of reported emissions verified (%)

100

## Row 2

### (7.9.3.1) Scope 3 category

Select all that apply

Scope 3: Upstream transportation and distribution

### (7.9.3.2) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.3.3) Status in the current reporting year

Select from:

Complete

### (7.9.3.4) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.3.5) Attach the statement

*01- Third-party's Assurance Letter.pdf*

### (7.9.3.6) Page/section reference

412

### (7.9.3.7) Relevant standard

Select from:

Other, please specify :GRI Standards (2021)

### (7.9.3.8) Proportion of reported emissions verified (%)

100

## Row 3

### (7.9.3.1) Scope 3 category

Select all that apply

Scope 3: Downstream transportation and distribution

### (7.9.3.2) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.3.3) Status in the current reporting year

Select from:

Complete

### (7.9.3.4) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.3.5) Attach the statement

*01- Third-party's Assurance Letter.pdf*

### (7.9.3.6) Page/section reference

412

### (7.9.3.7) Relevant standard

Select from:

Other, please specify :GRI Standards (2021)

### (7.9.3.8) Proportion of reported emissions verified (%)

100

## Row 4

### (7.9.3.1) Scope 3 category

Select all that apply

Scope 3: Business travel

### (7.9.3.2) Verification or assurance cycle in place

Select from:

Annual process

### (7.9.3.3) Status in the current reporting year

Select from:

Complete

### (7.9.3.4) Type of verification or assurance

Select from:

Reasonable assurance

### (7.9.3.5) Attach the statement

01- Third-party's Assurance Letter.pdf

### (7.9.3.6) Page/section reference

412

### (7.9.3.7) Relevant standard

Select from:

- Other, please specify :GRI Standards (2021)

### (7.9.3.8) Proportion of reported emissions verified (%)

100

## Row 5

### (7.9.3.1) Scope 3 category

Select all that apply

- Scope 3: Employee commuting

### (7.9.3.2) Verification or assurance cycle in place

Select from:

- Annual process

### (7.9.3.3) Status in the current reporting year

Select from:

- Complete

### (7.9.3.4) Type of verification or assurance

Select from:

- Reasonable assurance

### (7.9.3.5) Attach the statement

01- Third-party's Assurance Letter.pdf

### (7.9.3.6) Page/section reference

**(7.9.3.7) Relevant standard**

Select from:

- Other, please specify :GRI Standards (2021)

**(7.9.3.8) Proportion of reported emissions verified (%)**

100

**Row 6****(7.9.3.1) Scope 3 category**

Select all that apply

- Scope 3: Downstream leased assets

**(7.9.3.2) Verification or assurance cycle in place**

Select from:

- Annual process

**(7.9.3.3) Status in the current reporting year**

Select from:

- Complete

**(7.9.3.4) Type of verification or assurance**

Select from:

- Reasonable assurance

**(7.9.3.5) Attach the statement**

### (7.9.3.6) Page/section reference

412

### (7.9.3.7) Relevant standard

Select from:

Other, please specify :GRI Standards (2021)

### (7.9.3.8) Proportion of reported emissions verified (%)

100

[Add row]

## (7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:

Decreased

### (7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

#### Change in renewable energy consumption

### (7.10.1.1) Change in emissions (metric tons CO<sub>2</sub>e)

81221.44

### (7.10.1.2) Direction of change in emissions

Select from:

Increased

### (7.10.1.3) Emissions value (percentage)

85.95

### (7.10.1.4) Please explain calculation

*Significantly completed solar roof top installation (phase 1) increase from 97 to 323 stores.*

## Other emissions reduction activities

### (7.10.1.1) Change in emissions (metric tons CO2e)

17298.18

### (7.10.1.2) Direction of change in emissions

Select from:

Decreased

### (7.10.1.3) Emissions value (percentage)

12.87

### (7.10.1.4) Please explain calculation

*Low carbon emission refrigerant. Change lighting to LED. Shift fuel forklifts to EV forklifts*

## Divestment

### (7.10.1.1) Change in emissions (metric tons CO2e)

0



### (7.10.1.2) Direction of change in emissions

Select from:

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

none

## Acquisitions

### (7.10.1.1) Change in emissions (metric tons CO2e)

0

### (7.10.1.2) Direction of change in emissions

Select from:

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

none

## Mergers

### (7.10.1.1) Change in emissions (metric tons CO2e)

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

none

**Change in output**

**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

none

**Change in methodology**

**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

none

**Change in boundary**

**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

0

**(7.10.1.4) Please explain calculation**

none

## Change in physical operating conditions

### (7.10.1.1) Change in emissions (metric tons CO2e)

0

### (7.10.1.2) Direction of change in emissions

Select from:

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

none

## Unidentified

### (7.10.1.1) Change in emissions (metric tons CO2e)

0

### (7.10.1.2) Direction of change in emissions

Select from:

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

none

## Other

### (7.10.1.1) Change in emissions (metric tons CO2e)

0

### (7.10.1.2) Direction of change in emissions

Select from:

No change

### (7.10.1.3) Emissions value (percentage)

0

### (7.10.1.4) Please explain calculation

None

[Fixed row]

**(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?**

Select from:

Market-based

**(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?**

Select from:

No

**(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?**

Select from:

No

**(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.**

	Scope 1 emissions (metric tons CO2e)	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Thailand	127514.85	649634.11	568412.67

[Fixed row]

**(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.**

Select all that apply

By business division

By activity

**(7.17.1) Break down your total gross global Scope 1 emissions by business division.**

	Business division	Scope 1 emissions (metric ton CO2e)
Row 1	Wholesale BU (Makro)	50863.65
Row 3	Retail BU (Lotus's)	76651.2

[Add row]

**(7.17.3) Break down your total gross global Scope 1 emissions by business activity.**

	Activity	Scope 1 emissions (metric tons CO2e)
Row 1	<i>Fuel</i>	13603.52
Row 3	<i>Refrigerant</i>	113911.33

[Add row]

**(7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.**

Select all that apply

By business division

**(7.20.1) Break down your total gross global Scope 2 emissions by business division.**

	Business division	Scope 2, location-based (metric tons CO2e)	Scope 2, market-based (metric tons CO2e)
Row 1	<i>Wholesale BU (Makro)</i>	225683.3	200706.37
Row 3	<i>Retail BU (Lotus's)</i>	423950.81	367706.3

[Add row]

**(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.**

**Consolidated accounting group**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

127514.85

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

649634.11

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

568412.67

**(7.22.4) Please explain**

*Consolidate Makro and Lotus's and readjust to 2020 Year.*

**All other entities**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

0

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

0

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

0

**(7.22.4) Please explain**

*Consolidate Makro and Lotus's and readjust to 2020 Year.*

*[Fixed row]*

**(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?**



Select from:

No

**(7.29) What percentage of your total operational spend in the reporting year was on energy?**

Select from:

More than 0% but less than or equal to 5%

**(7.30) Select which energy-related activities your organization has undertaken.**

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired electricity	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired heat	Select from: <input checked="" type="checkbox"/> No
Consumption of purchased or acquired steam	Select from: <input checked="" type="checkbox"/> No
Consumption of purchased or acquired cooling	Select from: <input checked="" type="checkbox"/> No
Generation of electricity, heat, steam, or cooling	Select from: <input checked="" type="checkbox"/> No

[Fixed row]

**(7.30.1) Report your organization's energy consumption totals (excluding feedstocks) in MWh.**

## Consumption of fuel (excluding feedstock)

### (7.30.1.1) Heating value

Select from:

LHV (lower heating value)

### (7.30.1.2) MWh from renewable sources

0

### (7.30.1.3) MWh from non-renewable sources

48234.87

### (7.30.1.4) Total (renewable and non-renewable) MWh

48234.87

## Consumption of purchased or acquired electricity

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

175749.59

### (7.30.1.3) MWh from non-renewable sources

1137052.75

### (7.30.1.4) Total (renewable and non-renewable) MWh

1312802.34

## Total energy consumption

### (7.30.1.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.1.2) MWh from renewable sources

175749.59

### (7.30.1.3) MWh from non-renewable sources

1185287.62

### (7.30.1.4) Total (renewable and non-renewable) MWh

1361037.21

[Fixed row]

## (7.30.6) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	Select from: <input checked="" type="checkbox"/> No
Consumption of fuel for the generation of heat	Select from:

	Indicate whether your organization undertakes this fuel application
	<input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of steam	Select from: <input checked="" type="checkbox"/> No
Consumption of fuel for the generation of cooling	Select from: <input checked="" type="checkbox"/> No
Consumption of fuel for co-generation or tri-generation	Select from: <input checked="" type="checkbox"/> No

[Fixed row]

**(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.**

### Sustainable biomass

#### (7.30.7.1) Heating value

Select from:

Unable to confirm heating value

#### (7.30.7.2) Total fuel MWh consumed by the organization

0

#### (7.30.7.8) Comment

*The company has not any production process and no biomass fuel utilization.*

### Other biomass

### (7.30.7.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.7.2) Total fuel MWh consumed by the organization

0

### (7.30.7.8) Comment

*The company has not any production process and no biomass fuel utilization.*

## Other renewable fuels (e.g. renewable hydrogen)

### (7.30.7.1) Heating value

Select from:

Unable to confirm heating value

### (7.30.7.2) Total fuel MWh consumed by the organization

0

### (7.30.7.8) Comment

*No hydrogen or other renewable fuel utilization in any process of direct operation.*

## Coal

### (7.30.7.1) Heating value

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**(7.30.7.8) Comment**

*No coal utilization in any process of direct operation.*

**Oil**

**(7.30.7.1) Heating value**

Select from:

LHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

48234.87

**(7.30.7.8) Comment**

*Engine oil for own vehicles, forklifts and fire pump filling.*

**Gas**

**(7.30.7.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**(7.30.7.8) Comment**

*No gas utilization in any process of direct operation.*

## **Other non-renewable fuels (e.g. non-renewable hydrogen)**

### **(7.30.7.1) Heating value**

*Select from:*

Unable to confirm heating value

### **(7.30.7.2) Total fuel MWh consumed by the organization**

0

### **(7.30.7.8) Comment**

*No hydrogen or other renewable fuel utilization in any process of direct operation.*

## **Total fuel**

### **(7.30.7.1) Heating value**

*Select from:*

LHV

### **(7.30.7.2) Total fuel MWh consumed by the organization**

48234.87

### **(7.30.7.8) Comment**

*Oil for vehicles, forklifts and fire pump filling.  
[Fixed row]*

**(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.**

**Row 1**

**(7.30.14.1) Country/area**

Select from:

Thailand

**(7.30.14.2) Sourcing method**

Select from:

Purchase from an on-site installation owned by a third party (on-site PPA)

**(7.30.14.3) Energy carrier**

Select from:

Electricity

**(7.30.14.4) Low-carbon technology type**

Select from:

Solar

**(7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)**

162475.38

**(7.30.14.6) Tracking instrument used**

Select from:

Contract



### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

Thailand

### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

Yes

### (7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2021

### (7.30.14.10) Comment

*The project has commissioning phase as the period years start from phase 1 during 2021-2023 and phase 2 start from 2024-2026.*

## Row 2

### (7.30.14.1) Country/area

Select from:

Thailand

### (7.30.14.2) Sourcing method

Select from:

Other, please specify :Self generate

### (7.30.14.3) Energy carrier

Select from:

Heat

#### (7.30.14.4) Low-carbon technology type

Select from:

Solar

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

78.84

#### (7.30.14.6) Tracking instrument used

Select from:

Contract

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

Thailand

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

Yes

#### (7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)

2021

#### (7.30.14.10) Comment

*The project has commissioning phase as the period years start from phase 1 during 2021-2023 and phase 2 start from 2024-2026.*

### Row 3

#### (7.30.14.1) Country/area

Select from:

Thailand

#### (7.30.14.2) Sourcing method

Select from:

Other, please specify :Self generate

#### (7.30.14.3) Energy carrier

Select from:

Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

Solar

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

13195.38

#### (7.30.14.6) Tracking instrument used

Select from:

Contract

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

Thailand

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

Yes

**(7.30.14.9) Commissioning year of the energy generation facility (e.g. date of first commercial operation or repowering)**

2021

**(7.30.14.10) Comment**

*The project has commissioning phase as the period years start from phase 1 during 2021-2023 and phase 2 start from 2024-2026.*

*[Add row]*

**(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.**

**Thailand**

**(7.30.16.1) Consumption of purchased electricity (MWh)**

1299528.13

**(7.30.16.2) Consumption of self-generated electricity (MWh)**

13195.38

**(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)**

0

**(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)**

78.84

**(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)**

1312802.35

*[Fixed row]*

**(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.**

**Row 1**

**(7.45.1) Intensity figure**

1.54

**(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)**

695927.52

**(7.45.3) Metric denominator**

Select from:

unit total revenue

**(7.45.4) Metric denominator: Unit total**

489949167345

**(7.45.5) Scope 2 figure used**

Select from:

Market-based

**(7.45.6) % change from previous year**

6.97

**(7.45.7) Direction of change**

Select from:

Decreased

### (7.45.8) Reasons for change

Select all that apply

Change in renewable energy consumption

### (7.45.9) Please explain

Calculate based on market based emission and revenue intensity per million bath. The intensity trend is better than the previous according to the GHG reduction from solar cell commissioning.

[Add row]

## (7.52) Provide any additional climate-related metrics relevant to your business.

### Row 1

#### (7.52.1) Description

Select from:

Other, please specify :water consumption

#### (7.52.2) Metric value

10.07

#### (7.52.3) Metric numerator

m3

#### (7.52.4) Metric denominator (intensity metric only)

per million THB of revenue

### (7.52.5) % change from previous year

6.98

### (7.52.6) Direction of change

Select from:

Increased

### (7.52.7) Please explain

*water intensity per million THB of revenue are monitoring as metric to ensure climate resilience actions. and trend is increase according to the open new stores.*

## Row 2

### (7.52.1) Description

Select from:

Waste

### (7.52.2) Metric value

0.08

### (7.52.3) Metric numerator

*tons*

### (7.52.4) Metric denominator (intensity metric only)

*per million THB of revenue*

### (7.52.5) % change from previous year

14.28

## (7.52.6) Direction of change

Select from:

Increased

## (7.52.7) Please explain

Waste intensity per million THB is increase according to the open new stores.

[Add row]

## (7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

Absolute target

### (7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

#### Row 1

### (7.53.1.1) Target reference number

Select from:

Abs 1

### (7.53.1.2) Is this a science-based target?

Select from:

Yes, we consider this a science-based target, and we have committed to seek validation of this target by the Science Based Targets initiative in the next two years

### (7.53.1.4) Target ambition

Select from:

1.5°C aligned



### (7.53.1.5) Date target was set

10/18/2020

### (7.53.1.6) Target coverage

Select from:

- Organization-wide

### (7.53.1.7) Greenhouse gases covered by target

Select all that apply

- Methane (CH<sub>4</sub>)
- Nitrous oxide (N<sub>2</sub>O)
- Carbon dioxide (CO<sub>2</sub>)
- Perfluorocarbons (PFCs)
- Hydrofluorocarbons (HFCs)
- Sulphur hexafluoride (SF<sub>6</sub>)
- Nitrogen trifluoride (NF<sub>3</sub>)

### (7.53.1.8) Scopes

Select all that apply

- Scope 1
- Scope 2

### (7.53.1.9) Scope 2 accounting method

Select from:

- Location-based

### (7.53.1.11) End date of base year

12/30/2021

### (7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO<sub>2</sub>e)

84163.25

**(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)**

527836.09

**(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)**

0.000

**(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)**

611999.340

**(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1**

100

**(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2**

100

**(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes**

7.9

**(7.53.1.54) End date of target**

12/30/2030

**(7.53.1.55) Targeted reduction from base year (%)**

42

**(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)**

354959.617

**(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)**

127514.84

**(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)**

649634.11

**(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)**

777148.950

**(7.53.1.78) Land-related emissions covered by target**

Select from:

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**(7.53.1.79) % of target achieved relative to base year**

-64.25

**(7.53.1.80) Target status in reporting year**

Select from:

Underway

**(7.53.1.82) Explain target coverage and identify any exclusions**

*The target covers every subsidiary in every country we operate and supply chain.*

**(7.53.1.83) Target objective**

The company commits the environmental protection policy which is public disclose on the website. <https://www.cpaxtra.com/en/sustainability/home-living-together>  
Aims to be carbon neutral in 2030, coping with the impact of climate change as well as the reduction of direct and indirect greenhouse gas emissions. The resilient strategy is increasing renewable energy and maximizing energy efficiency also compliance with SDG 7 and 13.

#### (7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

a) Implement energy saving projects: - High-efficiency chillers. - Replace lighting with LED. - High-efficiency air conditioners at stores. - Energy-saving building at the head office' b) Renewable energy projects: - Solar rooftop at stores and distribution centers. • - Solar thermal for water heater system. - Solar tube in the head office building. • c) Low carbon emission refrigerants: - shift to Low EF refrigerant i.e R290 and R-448A. d) Converted fuel to the EV and H2 - EV forklift, BEV and Hydrogen Fuel cell for the delivery pickup truck. e) Promote perennial planting on Company premises and unused areas.

#### (7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

No

[Add row]

#### (7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

Net-zero targets

#### (7.54.3) Provide details of your net-zero target(s).

##### Row 1

#### (7.54.3.1) Target reference number

Select from:

NZ1

#### (7.54.3.2) Date target was set

10/18/2020

### (7.54.3.3) Target Coverage

Select from:

- Organization-wide

### (7.54.3.4) Targets linked to this net zero target

Select all that apply

- Abs1

### (7.54.3.5) End date of target for achieving net zero

12/30/2050

### (7.54.3.6) Is this a science-based target?

Select from:

- Yes, we consider this a science-based target, and we have committed to seek validation of this target by the Science Based Targets initiative in the next two years

### (7.54.3.8) Scopes

Select all that apply

- Scope 1
- Scope 2
- Scope 3

### (7.54.3.9) Greenhouse gases covered by target

Select all that apply

- Methane (CH4)
- Nitrous oxide (N2O)
- Carbon dioxide (CO2)
- Perfluorocarbons (PFCs)
- Sulphur hexafluoride (SF6)
- Nitrogen trifluoride (NF3)

Hydrofluorocarbons (HFCs)

### **(7.54.3.10) Explain target coverage and identify any exclusions**

*This policy applies to the Company and its subsidiaries, production operation, business facilities, products and services, distribution, logistics, management of waste, suppliers, service providers, contractors, key business partners, e.g. non-managed operations, joint venture partners, licensees, outsourcing partners, etc. including the due-diligence, mergers, and acquisitions. The GHG scope will cover all CO<sub>2</sub>, CH<sub>4</sub>, N<sub>2</sub>O, HFCs, PFCs, SF<sub>6</sub>, NF<sub>3</sub>.*

### **(7.54.3.11) Target objective**

*The Company commits to achieving Carbon neutrality from our operation within 2030 (compared to the baseline year 2021). By balancing the emitting carbon with the offset and/or absorbing carbon and towards “Net Zero Emission within 2050” (90% reduction of Scope 1&2 and Scope 3 compared to baseline 2021 year)*

### **(7.54.3.12) Do you intend to neutralize any residual emissions with permanent carbon removals at the end of the target?**

Select from:

Yes

### **(7.54.3.13) Do you plan to mitigate emissions beyond your value chain?**

Select from:

No, but we plan to within the next two years

### **(7.54.3.14) Do you intend to purchase and cancel carbon credits for neutralization and/or beyond value chain mitigation?**

Select all that apply

Yes, we plan to purchase and cancel carbon credits for neutralization at the end of the target

### **(7.54.3.15) Planned milestones and/or near-term investments for neutralization at the end of the target**

*Internal carbon pricing is under studied. Another strategy is the plan to carbon credit purchasing 5-10% from REC or other trustable and qualified source. see more graphic detail that publicly disclosure at <https://www.cpaxtra.com/storage/document/sustainability/carbon-neutralization-strategy-en.pdf>*

### **(7.54.3.17) Target status in reporting year**

Select from:

Underway

### (7.54.3.19) Process for reviewing target

The target based on the existing performance, affordable technology, update methodology, global standard and comply with regulation, SBTi, Global company (Charoen Pokphand Group) and peer review. After reviewing, it will be submitted for seeking the approval from BOD level at least once per year  
[Add row]

**(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.**

Select from:

Yes

**(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.**

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	0	`Numeric input
To be implemented	0	0
Implementation commenced	0	0
Implemented	4	159231.24
Not to be implemented	0	`Numeric input

[Fixed row]

**(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.**

## Row 1

### (7.55.2.1) Initiative category & Initiative type

#### Low-carbon energy consumption

Solar PV

### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

81211.44

### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

*Select all that apply*

Scope 2 (market-based)

### (7.55.2.4) Voluntary/Mandatory

*Select from:*

Voluntary

### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

790873167

### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

6420000000

### (7.55.2.7) Payback period

*Select from:*

4-10 years



### (7.55.2.8) Estimated lifetime of the initiative

Select from:

6-10 years

### (7.55.2.9) Comment

*not involved "Solid biofuels", "Liquid biofuels", or "Biogas"*

## Row 2

### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in production processes**

Cooling technology

### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

598

### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

Scope 1

### (7.55.2.4) Voluntary/Mandatory

Select from:

Voluntary

### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

1927200

### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

400000000

### (7.55.2.7) Payback period

Select from:

4-10 years

### (7.55.2.8) Estimated lifetime of the initiative

Select from:

3-5 years

### (7.55.2.9) Comment

*not involved "Solid biofuels", "Liquid biofuels", or "Biogas"*

## Row 3

### (7.55.2.1) Initiative category & Initiative type

**Energy efficiency in production processes**

Motors and drives

### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

77421.8

### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

Scope 3 category 4: Upstream transportation & distribution

Scope 3 category 9: Downstream transportation and distribution

#### (7.55.2.4) Voluntary/Mandatory

Select from:

Voluntary

#### (7.55.2.5) Annual monetary savings (unit currency – as specified in C0.4)

12049627

#### (7.55.2.6) Investment required (unit currency – as specified in C0.4)

88000000

#### (7.55.2.7) Payback period

Select from:

4-10 years

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

3-5 years

#### (7.55.2.9) Comment

*not involved "Solid biofuels", "Liquid biofuels", or "Biogas"*

*[Add row]*

#### (7.55.3) What methods do you use to drive investment in emissions reduction activities?

Row 1

#### (7.55.3.1) Method

Select from:

- Lower return on investment (ROI) specification

### (7.55.3.2) Comment

*Based on the Company's financial analysis, the amount of investment on solar PV is estimated at 10 million THB per site, with a flexible payback period from 5 year to be within 10 years for investment in carbon reduction projects as The solar panels with 111 MW capacity have been installed over the past five years. Across all renewable energy initiatives payback in 10 years. Moving forward, both Makro's and Lotus's operating businesses will be pursuing power purchasing agreements for renewable electricity, particularly from solar PV. Also exploring options to expand into the use of electric vehicles and hydrogen-powered trucks across operations to further reduce emissions generated in mobile combustion. In addition, CP Axtra's retail and wholesale operations are significant users of cooling and refrigeration systems. The Company has identified green refrigerants, or refrigerants with low GWPs, as an opportunity to reduce our Scope 1 emissions. CP Axtra's initial effort involved 20 sites, with 20 million THB of investment per facility to switch from conventional to green refrigerants. The expected payback period was estimated to be seven years.*

## Row 2

### (7.55.3.1) Method

Select from:

- Dedicated budget for energy efficiency

### (7.55.3.2) Comment

*Annual dedicate the budget for continuously improvement of energy efficiency projects as High-efficiency chillers instalation, Replace lighting with LED, High-efficiency air conditioners, Energy-saving program at the head office*  
[Add row]

## (7.74) Do you classify any of your existing goods and/or services as low-carbon products?

Select from:

- No

## (7.79) Has your organization canceled any project-based carbon credits within the reporting year?

Select from:

No

## C8. Environmental performance - Forests

### (8.1) Are there any exclusions from your disclosure of forests-related data?

	Exclusion from disclosure
Palm oil	<i>Select from:</i> <input checked="" type="checkbox"/> No
Cattle products	<i>Select from:</i> <input checked="" type="checkbox"/> No
Soy	<i>Select from:</i> <input checked="" type="checkbox"/> No
Cocoa	<i>Select from:</i> <input checked="" type="checkbox"/> No
Coffee	<i>Select from:</i> <input checked="" type="checkbox"/> No

[Fixed row]

### (8.2) Provide a breakdown of your disclosure volume per commodity.

	Disclosure volume (metric tons)	Volume type	Sourced volume (metric tons)
Palm oil	26375	Select all that apply <input checked="" type="checkbox"/> Sourced	26375
Cattle products	11162	Select all that apply <input checked="" type="checkbox"/> Sourced	11162
Soy	11325	Select all that apply <input checked="" type="checkbox"/> Sourced	11325
Cocoa	871	Select all that apply <input checked="" type="checkbox"/> Sourced	871
Coffee	2814	Select all that apply <input checked="" type="checkbox"/> Sourced	2814

[Fixed row]

## (8.5) Provide details on the origins of your sourced volumes.

### Palm oil

#### (8.5.1) Country/area of origin

Select from:

Thailand

#### (8.5.2) First level administrative division

Select from:

Not disclosing

#### (8.5.4) Volume sourced from country/area of origin (metric tons)

26375

#### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

#### (8.5.6) List of supplier production and primary processing sites: names and locations (optional)

*Water stress map and commodity suppliers.pdf*

#### (8.5.7) Please explain

*local palm cooking oil manufacturers.*

### **Cattle products**

#### (8.5.1) Country/area of origin

Select from:

Thailand

#### (8.5.2) First level administrative division

Select from:

Not disclosing

#### (8.5.4) Volume sourced from country/area of origin (metric tons)

11162

#### (8.5.5) Source



Select all that apply

Company-affiliated smallholders

### (8.5.6) List of supplier production and primary processing sites: names and locations (optional)

*Water stress map and commodity suppliers.pdf*

### (8.5.7) Please explain

*local farmers.*

## Soy

### (8.5.1) Country/area of origin

Select from:

Thailand

### (8.5.2) First level administrative division

Select from:

Not disclosing

### (8.5.4) Volume sourced from country/area of origin (metric tons)

11325

### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

### (8.5.6) List of supplier production and primary processing sites: names and locations (optional)

*Water stress map and commodity suppliers.pdf*

### (8.5.7) Please explain

*local soy processing manufacturers.*

## Cocoa

### (8.5.1) Country/area of origin

*Select from:*

Thailand

### (8.5.2) First level administrative division

*Select from:*

Not disclosing

### (8.5.4) Volume sourced from country/area of origin (metric tons)

871

### (8.5.5) Source

*Select all that apply*

Contracted suppliers (manufacturers)

### (8.5.6) List of supplier production and primary processing sites: names and locations (optional)

*Water stress map and commodity suppliers.pdf*

### (8.5.7) Please explain

*local manufacturers.*

## Coffee

### (8.5.1) Country/area of origin

Select from:

Thailand

### (8.5.2) First level administrative division

Select from:

Not disclosing

### (8.5.4) Volume sourced from country/area of origin (metric tons)

2814

### (8.5.5) Source

Select all that apply

Contracted suppliers (manufacturers)

### (8.5.6) List of supplier production and primary processing sites: names and locations (optional)

*Water stress map and commodity suppliers.pdf*

### (8.5.7) Please explain

*local farmers*

*[Add row]*

### (8.6) Does your organization produce or source palm oil derived biofuel?

Select from:

No

**(8.7) Did your organization have a no-deforestation or no-conversion target, or any other targets for sustainable production/ sourcing of your disclosed commodities, active in the reporting year?**

## **Palm oil**

### **(8.7.1) Active no-deforestation or no-conversion target**

*Select from:*

Yes, we have a no-deforestation target

### **(8.7.2) No-deforestation or no-conversion target coverage**

*Select from:*

Business activity

### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

*Select from:*

Yes, we have other targets related to this commodity

## **Cattle products**

### **(8.7.1) Active no-deforestation or no-conversion target**

*Select from:*

Yes, we have a no-deforestation target

### **(8.7.2) No-deforestation or no-conversion target coverage**

*Select from:*

Business activity

## **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

Yes, we have other targets related to this commodity

### **Soy**

## **(8.7.1) Active no-deforestation or no-conversion target**

Select from:

Yes, we have a no-deforestation target

## **(8.7.2) No-deforestation or no-conversion target coverage**

Select from:

Business activity

## **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

Yes, we have other targets related to this commodity

### **Cocoa**

## **(8.7.1) Active no-deforestation or no-conversion target**

Select from:

Yes, we have a no-deforestation target

## **(8.7.2) No-deforestation or no-conversion target coverage**

Select from:

Business activity

### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

Yes, we have other targets related to this commodity

## **Coffee**

### **(8.7.1) Active no-deforestation or no-conversion target**

Select from:

Yes, we have a no-deforestation target

### **(8.7.2) No-deforestation or no-conversion target coverage**

Select from:

Business activity

### **(8.7.5) Other active targets related to this commodity, including any which contribute to your no-deforestation or no-conversion target**

Select from:

Yes, we have other targets related to this commodity

[Fixed row]

**(8.7.1) Provide details on your no-deforestation or no-conversion target that was active during the reporting year.**

## **Palm oil**

### **(8.7.1.1) No-deforestation or no-conversion target**

Select from:

No-deforestation

### (8.7.1.2) Your organization's definition of "no-deforestation" or "no-conversion"

*it means the business operation and suppliers facility is not located near global or national conservation area. Including the product and service is not involved the deforestation, burning, or land conversion in legal forest conservation areas, high conservation value areas, High Carbon Stock Approach (HCSA), Ramsar Areas, Biosphere Reserve, Key Biodiversity Areas (KBAs), Alliance for Zero Extinction (AZE) and 1-4 IUCN Category I-IV)*

### (8.7.1.3) Cutoff date

Select from:

2020

### (8.7.1.4) Geographic scope of cutoff date

Select from:

Country/area, please specify :Thailand

### (8.7.1.5) Rationale for selecting cutoff date

Select from:

In line with organizational commitments, because no sector- or region-wide cutoff date is available

### (8.7.1.6) Target date for achieving no-deforestation or no-conversion

Select from:

2026-2030

## Cattle products

### (8.7.1.1) No-deforestation or no-conversion target

Select from:

No-deforestation

### (8.7.1.2) Your organization's definition of "no-deforestation" or "no-conversion"

*t means the business operation and suppliers facility is not located near global or national conservation area. Including the product and service is not involved the deforestation, burning, or land conversion in legal forest conservation areas, high conservation value areas, High Carbon Stock Approach (HCSA), Ramsar Areas, Biosphere Reserve, Key Biodiversity Areas (KBAs), Alliance for Zero Extinction (AZE) and 1-4 IUCN Category I-IV)*

### (8.7.1.3) Cutoff date

Select from:

2020

### (8.7.1.4) Geographic scope of cutoff date

Select from:

Country/area, please specify :Thailand

### (8.7.1.5) Rationale for selecting cutoff date

Select from:

In line with organizational commitments, because no sector- or region-wide cutoff date is available

### (8.7.1.6) Target date for achieving no-deforestation or no-conversion

Select from:

2026-2030

## Soy

### (8.7.1.1) No-deforestation or no-conversion target

Select from:

No-deforestation

### (8.7.1.2) Your organization's definition of "no-deforestation" or "no-conversion"



*t means the business operation and suppliers facility is not located near global or national conservation area. Including the product and service is not involved the deforestation, burning, or land conversion in legal forest conservation areas, high conservation value areas, High Carbon Stock Approach (HCSA), Ramsar Areas, Biosphere Reserve, Key Biodiversity Areas (KBAs), Alliance for Zero Extinction (AZE) and 1-4 IUCN Category I-IV)*

### **(8.7.1.3) Cutoff date**

Select from:

2020

### **(8.7.1.4) Geographic scope of cutoff date**

Select from:

Country/area, please specify :Thailand

### **(8.7.1.5) Rationale for selecting cutoff date**

Select from:

In line with organizational commitments, because no sector- or region-wide cutoff date is available

### **(8.7.1.6) Target date for achieving no-deforestation or no-conversion**

Select from:

2026-2030

## **Cocoa**

### **(8.7.1.1) No-deforestation or no-conversion target**

Select from:

No-deforestation

### **(8.7.1.2) Your organization's definition of "no-deforestation" or "no-conversion"**

*t means the business operation and suppliers facility is not located near global or national conservation area. Including the product and service is not involved the deforestation, burning, or land conversion in legal forest conservation areas, high conservation value areas, High Carbon Stock Approach (HCSA), Ramsar Areas, Biosphere Reserve, Key Biodiversity Areas (KBAs), Alliance for Zero Extinction (AZE) and 1-4 IUCN Category I-IV)*

### **(8.7.1.3) Cutoff date**

Select from:

2020

### **(8.7.1.4) Geographic scope of cutoff date**

Select from:

Country/area, please specify :Thailand

### **(8.7.1.5) Rationale for selecting cutoff date**

Select from:

In line with organizational commitments, because no sector- or region-wide cutoff date is available

### **(8.7.1.6) Target date for achieving no-deforestation or no-conversion**

Select from:

2026-2030

## **Coffee**

### **(8.7.1.1) No-deforestation or no-conversion target**

Select from:

No-deforestation

### **(8.7.1.2) Your organization's definition of "no-deforestation" or "no-conversion"**

*t means the business operation and suppliers facility is not located near global or national conservation area. Including the product and service is not involved the deforestation, burning, or land conversion in legal forest conservation areas, high conservation value areas, High Carbon Stock Approach (HCSA), Ramsar Areas, Biosphere Reserve, Key Biodiversity Areas (KBAs), Alliance for Zero Extinction (AZE) and 1-4 IUCN Category I-IV)*

### (8.7.1.3) Cutoff date

Select from:

2020

### (8.7.1.4) Geographic scope of cutoff date

Select from:

Country/area, please specify :Thailand

### (8.7.1.5) Rationale for selecting cutoff date

Select from:

In line with organizational commitments, because no sector- or region-wide cutoff date is available

### (8.7.1.6) Target date for achieving no-deforestation or no-conversion

Select from:

2026-2030

[Add row]

**(8.7.2) Provide details of other targets related to your commodities, including any which contribute to your no-deforestation or no-conversion target, and progress made against them.**

## **Palm oil**

### (8.7.2.1) Target reference number

Select from:

Target 1

### (8.7.2.2) Target contributes to no-deforestation or no-conversion target reported in 8.7

Select from:

- Yes, this target contributes to our no-deforestation target

### (8.7.2.3) Target coverage

Select from:

- Organization-wide (including suppliers)

### (8.7.2.4) Commodity volume covered by target (metric tons)

Select from:

- Disclosure volume

### (8.7.2.5) Category of target & Quantitative metric

#### Third-party certification

- % of volume third-party certified

### (8.7.2.7) Third-party certification scheme

#### Forest management unit/Producer certification

- RSPO producer/grower certification

### (8.7.2.8) Date target was set

05/31/2021

### (8.7.2.9) End date of base year

12/30/2021

**(8.7.2.10) Base year figure**

0

**(8.7.2.11) End date of target**

12/30/2024

**(8.7.2.12) Target year figure**

100

**(8.7.2.13) Reporting year figure**

40

**(8.7.2.14) Target status in reporting year**

Select from:

Achieved

**(8.7.2.15) % of target achieved relative to base year**

40.00

**(8.7.2.16) Global environmental treaties/ initiatives/ frameworks aligned with or supported by this target**

Select all that apply

Kunming-Montreal Global Biodiversity Framework

Sustainable Development Goals

**(8.7.2.17) Explain target coverage and identify any exclusions**

target covers all manufacture suppliers except the local small farmers and SME

### (8.7.2.19) List the actions which contributed most to achieving or maintaining this target

*annual engage the required certificate to supplier and onsite visit.*

### (8.7.2.20) Further details of target

*the target has integrated to supplier's selection program and suppliers code of conduct.*

## Cattle products

### (8.7.2.1) Target reference number

Select from:

Target 2

### (8.7.2.2) Target contributes to no-deforestation or no-conversion target reported in 8.7

Select from:

Yes, this target contributes to our no-deforestation target

### (8.7.2.3) Target coverage

Select from:

Organization-wide (including suppliers)

### (8.7.2.4) Commodity volume covered by target (metric tons)

Select from:

Disclosure volume

### (8.7.2.5) Category of target & Quantitative metric

#### Third-party certification

% of volume third-party certified

### (8.7.2.7) Third-party certification scheme

#### Chain-of-custody certification

Other chain-of-custody certification, please specify

### (8.7.2.8) Date target was set

06/30/2021

### (8.7.2.9) End date of base year

12/30/2021

### (8.7.2.10) Base year figure

0

### (8.7.2.11) End date of target

12/30/2024

### (8.7.2.12) Target year figure

100

### (8.7.2.13) Reporting year figure

22

### (8.7.2.14) Target status in reporting year

Select from:

Achieved

### (8.7.2.15) % of target achieved relative to base year

### (8.7.2.16) Global environmental treaties/ initiatives/ frameworks aligned with or supported by this target

Select all that apply

- Kunming-Montreal Global Biodiversity Framework
- Sustainable Development Goals

### (8.7.2.17) Explain target coverage and identify any exclusions

*target covers all manufacture suppliers except the local small farmers and SME*

### (8.7.2.19) List the actions which contributed most to achieving or maintaining this target

*annual engage the required certificate to suppler and onsite visit.*

### (8.7.2.20) Further details of target

*the target has integrated to supplier's selection program and suppliers code of conduct.*

## Soy

### (8.7.2.1) Target reference number

Select from:

- Target 3

### (8.7.2.2) Target contributes to no-deforestation or no-conversion target reported in 8.7

Select from:

- Yes, this target contributes to our no-deforestation target

### (8.7.2.3) Target coverage

Select from:



Organization-wide (including suppliers)

#### (8.7.2.4) Commodity volume covered by target (metric tons)

Select from:

Disclosure volume

#### (8.7.2.5) Category of target & Quantitative metric

##### Third-party certification

% of volume third-party certified

#### (8.7.2.7) Third-party certification scheme

##### Forest management unit/Producer certification

RTRS standard for Responsible Soy Production

#### (8.7.2.8) Date target was set

06/30/2021

#### (8.7.2.9) End date of base year

12/30/2021

#### (8.7.2.10) Base year figure

0

#### (8.7.2.11) End date of target

12/30/2024

#### (8.7.2.12) Target year figure

100

#### (8.7.2.13) Reporting year figure

78

#### (8.7.2.14) Target status in reporting year

Select from:

Achieved

#### (8.7.2.15) % of target achieved relative to base year

78.00

#### (8.7.2.16) Global environmental treaties/ initiatives/ frameworks aligned with or supported by this target

Select all that apply

Kunming-Montreal Global Biodiversity Framework

Sustainable Development Goals

#### (8.7.2.17) Explain target coverage and identify any exclusions

*target covers all manufacture suppliers except the local small farmers and SME*

#### (8.7.2.19) List the actions which contributed most to achieving or maintaining this target

*annual engage the required certificate to supplier and onsite visit.*

#### (8.7.2.20) Further details of target

*the target has integrated to supplier's selection program and suppliers code of conduct.*

## Cocoa

### (8.7.2.1) Target reference number

Select from:

- Target 4

### (8.7.2.2) Target contributes to no-deforestation or no-conversion target reported in 8.7

Select from:

- Yes, this target contributes to our no-deforestation target

### (8.7.2.3) Target coverage

Select from:

- Organization-wide (including suppliers)

### (8.7.2.4) Commodity volume covered by target (metric tons)

Select from:

- Disclosure volume

### (8.7.2.5) Category of target & Quantitative metric

#### Third-party certification

- % of volume third-party certified

### (8.7.2.7) Third-party certification scheme

#### Chain-of-custody certification

- Other chain-of-custody certification, please specify

### (8.7.2.8) Date target was set

06/30/2021

**(8.7.2.9) End date of base year**

12/30/2021

**(8.7.2.10) Base year figure**

0

**(8.7.2.11) End date of target**

12/30/2024

**(8.7.2.12) Target year figure**

100

**(8.7.2.13) Reporting year figure**

0.63

**(8.7.2.14) Target status in reporting year**

Select from:

Achieved

**(8.7.2.15) % of target achieved relative to base year**

0.63

**(8.7.2.16) Global environmental treaties/ initiatives/ frameworks aligned with or supported by this target**

Select all that apply

Kunming-Montreal Global Biodiversity Framework

Sustainable Development Goals

### **(8.7.2.17) Explain target coverage and identify any exclusions**

*target covers all manufacture suppliers except the local small farmers and SME*

### **(8.7.2.19) List the actions which contributed most to achieving or maintaining this target**

*annual engage the required certificate to suppler and onsite visit.*

### **(8.7.2.20) Further details of target**

*the target has integrated to supplier's selection program and suppliers code of conduct.*

## **Coffee**

### **(8.7.2.1) Target reference number**

Select from:

Target 5

### **(8.7.2.2) Target contributes to no-deforestation or no-conversion target reported in 8.7**

Select from:

Yes, this target contributes to our no-deforestation target

### **(8.7.2.3) Target coverage**

Select from:

Organization-wide (direct operations only)

### **(8.7.2.4) Commodity volume covered by target (metric tons)**

Select from:

Disclosure volume

### **(8.7.2.5) Category of target & Quantitative metric**

**Third-party certification**

% of volume third-party certified

**(8.7.2.7) Third-party certification scheme**

**Chain-of-custody certification**

Other chain-of-custody certification, please specify

**(8.7.2.8) Date target was set**

06/30/2021

**(8.7.2.9) End date of base year**

12/30/2021

**(8.7.2.10) Base year figure**

0

**(8.7.2.11) End date of target**

12/30/2024

**(8.7.2.12) Target year figure**

100

**(8.7.2.13) Reporting year figure**

0.74

**(8.7.2.14) Target status in reporting year**

Select from:

Achieved

#### (8.7.2.15) % of target achieved relative to base year

0.74

#### (8.7.2.16) Global environmental treaties/ initiatives/ frameworks aligned with or supported by this target

Select all that apply

Kunming-Montreal Global Biodiversity Framework

Sustainable Development Goals

#### (8.7.2.17) Explain target coverage and identify any exclusions

*target covers all manufacture suppliers except the local small farmers and SME*

#### (8.7.2.19) List the actions which contributed most to achieving or maintaining this target

*annual engage the required certificate to suppler and onsite visit.*

#### (8.7.2.20) Further details of target

*the target has integrated to supplier's selection program and suppliers code of conduct.*

*[Add row]*

**(8.8) Indicate if your organization has a traceability system to determine the origins of your sourced volumes and provide details of the methods and tools used.**

**Palm oil**

#### (8.8.1) Traceability system

Select from:

Yes

### (8.8.2) Methods/tools used in traceability system

*Select all that apply*

Internal traceability system

### (8.8.3) Description of methods/tools used in traceability system

*the internal platform to collect the data and external certificate of individual supplier.*

## Cattle products

### (8.8.1) Traceability system

*Select from:*

Yes

### (8.8.2) Methods/tools used in traceability system

*Select all that apply*

Internal traceability system

### (8.8.3) Description of methods/tools used in traceability system

*the internal platform to collect the data and external certificate of individual supplier.*

## Soy

### (8.8.1) Traceability system

*Select from:*

Yes

### (8.8.2) Methods/tools used in traceability system



Select all that apply

Internal traceability system

### (8.8.3) Description of methods/tools used in traceability system

*the internal platform to collect the data and external certificate of individual supplier.*

## Cocoa

### (8.8.1) Traceability system

Select from:

Yes

### (8.8.2) Methods/tools used in traceability system

Select all that apply

Internal traceability system

### (8.8.3) Description of methods/tools used in traceability system

*the internal platform to collect the data and external certificate of individual supplier.*

## Coffee

### (8.8.1) Traceability system

Select from:

Yes

### (8.8.2) Methods/tools used in traceability system

Select all that apply

Internal traceability system

### **(8.8.3) Description of methods/tools used in traceability system**

*the internal platform to collect the data and external certificate of individual supplier.  
[Fixed row]*

### **(8.8.1) Provide details of the point to which your organization can trace its sourced volumes.**

#### **Palm oil**

#### **(8.8.1.1) % of sourced volume traceable to production unit**

*100*

#### **(8.8.1.2) % of sourced volume traceable to sourcing area and not to production unit**

*0*

#### **(8.8.1.3) % sourced volume traceable to country/area of origin and not to sourcing area or production unit**

*0*

#### **(8.8.1.4) % of sourced volume traceable to other point (i.e., processing facility/first importer) not in the country/area of origin**

*0*

#### **(8.8.1.5) % of sourced volume from unknown origin**

*0*

#### **(8.8.1.6) % of sourced volume reported**

*100.00*

#### **Cattle products**

**(8.8.1.1) % of sourced volume traceable to production unit**

100

**(8.8.1.2) % of sourced volume traceable to sourcing area and not to production unit**

0

**(8.8.1.3) % sourced volume traceable to country/area of origin and not to sourcing area or production unit**

0

**(8.8.1.4) % of sourced volume traceable to other point (i.e., processing facility/first importer) not in the country/area of origin**

0

**(8.8.1.5) % of sourced volume from unknown origin**

0

**(8.8.1.6) % of sourced volume reported**

100.00

**Soy**

**(8.8.1.1) % of sourced volume traceable to production unit**

100

**(8.8.1.2) % of sourced volume traceable to sourcing area and not to production unit**

0

**(8.8.1.3) % sourced volume traceable to country/area of origin and not to sourcing area or production unit**

0

**(8.8.1.4) % of sourced volume traceable to other point (i.e., processing facility/first importer) not in the country/area of origin**

0

**(8.8.1.5) % of sourced volume from unknown origin**

0

**(8.8.1.6) % of sourced volume reported**

100.00

## **Cocoa**

**(8.8.1.1) % of sourced volume traceable to production unit**

100

**(8.8.1.2) % of sourced volume traceable to sourcing area and not to production unit**

0

**(8.8.1.3) % sourced volume traceable to country/area of origin and not to sourcing area or production unit**

0

**(8.8.1.4) % of sourced volume traceable to other point (i.e., processing facility/first importer) not in the country/area of origin**

0

**(8.8.1.5) % of sourced volume from unknown origin**

0

**(8.8.1.6) % of sourced volume reported**

100.00

**Coffee**

**(8.8.1.1) % of sourced volume traceable to production unit**

100

**(8.8.1.2) % of sourced volume traceable to sourcing area and not to production unit**

0

**(8.8.1.3) % sourced volume traceable to country/area of origin and not to sourcing area or production unit**

0

**(8.8.1.4) % of sourced volume traceable to other point (i.e., processing facility/first importer) not in the country/area of origin**

0

**(8.8.1.5) % of sourced volume from unknown origin**

0

**(8.8.1.6) % of sourced volume reported**

100.00

[Fixed row]

**(8.9) Provide details of your organization's assessment of the deforestation-free (DF) or deforestation- and conversion-free (DCF) status of its disclosed commodities.**

**Palm oil**

**(8.9.1) DF/DCF status assessed for this commodity**

Select from:

Yes, deforestation- and conversion-free (DCF) status assessed

**(8.9.2) % of disclosure volume determined as DF/DCF in the reporting year**

100

**(8.9.3) % of disclosure volume determined as DF/DCF through a third-party certification scheme providing full DF/DCF assurance**

0

**(8.9.4) % of disclosure volume determined as DF/DCF through monitoring of production unit**

0

**(8.9.5) % of disclosure volume determined as DF/DCF through monitoring of sourcing area**

0

**(8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?**

Select from:

Yes

**Cattle products**

**(8.9.1) DF/DCF status assessed for this commodity**

Select from:

Yes, deforestation- and conversion-free (DCF) status assessed

**(8.9.2) % of disclosure volume determined as DF/DCF in the reporting year**

88

**(8.9.3) % of disclosure volume determined as DF/DCF through a third-party certification scheme providing full DF/DCF assurance**

0

**(8.9.4) % of disclosure volume determined as DF/DCF through monitoring of production unit**

0

**(8.9.5) % of disclosure volume determined as DF/DCF through monitoring of sourcing area**

0

**(8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?**

Select from:

Yes

**Soy**

**(8.9.1) DF/DCF status assessed for this commodity**

Select from:

No, but we plan to do so within the next two years

**(8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?**

Select from:

Yes

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

### (8.9.8) Explain why you have not assessed DF/DCF status

*under development database and working team's skill.*

## Cocoa

### (8.9.1) DF/DCF status assessed for this commodity

Select from:

No, but we plan to do so within the next two years

### (8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?

Select from:

Yes

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

### (8.9.8) Explain why you have not assessed DF/DCF status

*under development database and working team's skill.*

## Coffee



### (8.9.1) DF/DCF status assessed for this commodity

Select from:

- No, but we plan to do so within the next two years

### (8.9.6) Is a proportion of your disclosure volume certified through a scheme not providing full DF/DCF assurance?

Select from:

- Yes

### (8.9.7) Primary reason for not assessing DF/DCF status

Select from:

- Lack of internal resources, capabilities, or expertise (e.g., due to organization size)

### (8.9.8) Explain why you have not assessed DF/DCF status

*under development database and working team's skill.  
[Fixed row]*

### (8.9.2) Provide details of third-party certification schemes not providing full DF/DCF assurance.

#### Palm oil

#### (8.9.2.1) Third-party certification scheme not providing full DF/DCF assurance

##### Chain-of-custody certification

- RSPO - Mass Balance

#### (8.9.2.2) % of disclosure volume certified through scheme not providing full DF/DCF assurance

100

### (8.9.2.3) Additional control methods in place to determine DF/DCF status of volumes certified through scheme not providing full DF/DCF assurance

Select all that apply

No

### (8.9.2.4) Comment

*all certificates are supplier's while the company has not any own production process. according to Non disclosure agreement between CP Aextra and suppliers then their certificate will not be external disclosure in next column.*

### (8.9.2.5) Certification documentation

*Annul report - Certified agricultural crops.pdf*

### Cattle products

### (8.9.2.1) Third-party certification scheme not providing full DF/DCF assurance

#### Chain-of-custody certification

Other chain-of-custody certification, please specify :GAP

### (8.9.2.2) % of disclosure volume certified through scheme not providing full DF/DCF assurance

22

### (8.9.2.3) Additional control methods in place to determine DF/DCF status of volumes certified through scheme not providing full DF/DCF assurance

Select all that apply

No

### (8.9.2.4) Comment

*all certificates are supplier's while the company has not any own production process. according to Non disclosure agreement between CP Aextra and suppliers then their certificate will not be external disclosure in next column.*

#### **(8.9.2.5) Certification documentation**

*Annual report - certified animal products (cattle product).pdf*

### **Soy**

#### **(8.9.2.1) Third-party certification scheme not providing full DF/DCF assurance**

##### **Chain-of-custody certification**

RTRS chain-of custody standard – Mass balance

#### **(8.9.2.2) % of disclosure volume certified through scheme not providing full DF/DCF assurance**

0

#### **(8.9.2.3) Additional control methods in place to determine DF/DCF status of volumes certified through scheme not providing full DF/DCF assurance**

*Select all that apply*

No

#### **(8.9.2.4) Comment**

*all certificates are supplier's while the company has not any own production process. according to Non-disclosure agreement between CP Aextra and suppliers then their certificate will not be external disclosure in next column.*

#### **(8.9.2.5) Certification documentation**

*Annual report - Certified agricultural crops.pdf*

### **Cocoa**

### (8.9.2.1) Third-party certification scheme not providing full DF/DCF assurance

#### Chain-of-custody certification

Other chain-of-custody certification, please specify :Rain forest

### (8.9.2.2) % of disclosure volume certified through scheme not providing full DF/DCF assurance

0

### (8.9.2.3) Additional control methods in place to determine DF/DCF status of volumes certified through scheme not providing full DF/DCF assurance

Select all that apply

No

### (8.9.2.4) Comment

*all certificates are supplier's while the company has not any own production process. according to Non disclosure agreement between CP Aextra and suppliers then their certificate will not be external disclosure in next column.*

### (8.9.2.5) Certification documentation

*Annuaire report - Certified agricultural crops.pdf*

## Coffee

### (8.9.2.1) Third-party certification scheme not providing full DF/DCF assurance

#### Chain-of-custody certification

Other chain-of-custody certification, please specify :Rain forest

### (8.9.2.2) % of disclosure volume certified through scheme not providing full DF/DCF assurance

### (8.9.2.3) Additional control methods in place to determine DF/DCF status of volumes certified through scheme not providing full DF/DCF assurance

Select all that apply

No

### (8.9.2.4) Comment

*all certificates are supplier's while the company has not any own production process. according to Non disclosure agreement between CP Axta and suppliers then their certificate will not be external disclosure in next column.*

### (8.9.2.5) Certification documentation

*Annul report - Certified agricultural crops.pdf*

*[Add row]*

### (8.10) Indicate whether you have monitored or estimated the deforestation and conversion of other natural ecosystems footprint for your disclosed commodities.

	Monitoring or estimating your deforestation and conversion footprint	Primary reason for not monitoring or estimating deforestation and conversion footprint	Explain why you do not monitor or estimate your deforestation and conversion footprint
Palm oil	<i>Select from:</i> <input checked="" type="checkbox"/> No, but we plan to monitor or estimate our deforestation and conversion footprint in the next two years	<i>Select from:</i> <input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	<i>under development database and working team.</i>
Cattle products	<i>Select from:</i>	<i>Select from:</i>	<i>under development database and working team.</i>

	Monitoring or estimating your deforestation and conversion footprint	Primary reason for not monitoring or estimating deforestation and conversion footprint	Explain why you do not monitor or estimate your deforestation and conversion footprint
	<input checked="" type="checkbox"/> No, but we plan to monitor or estimate our deforestation and conversion footprint in the next two years	<input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	
Soy	<i>Select from:</i> <input checked="" type="checkbox"/> No, but we plan to monitor or estimate our deforestation and conversion footprint in the next two years	<i>Select from:</i> <input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	<i>under development database and working team.</i>
Cocoa	<i>Select from:</i> <input checked="" type="checkbox"/> No, but we plan to monitor or estimate our deforestation and conversion footprint in the next two years	<i>Select from:</i> <input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	<i>under development database and working team.</i>
Coffee	<i>Select from:</i> <input checked="" type="checkbox"/> No, but we plan to monitor or estimate our deforestation and conversion footprint in the next two years	<i>Select from:</i> <input checked="" type="checkbox"/> Lack of internal resources, capabilities, or expertise (e.g., due to organization size)	<i>under development database and working team.</i>

[Fixed row]

**(8.11) For volumes not assessed and determined as deforestation- and conversion-free (DCF), indicate if you have taken actions in the reporting year to increase production or sourcing of DCF volumes.**

	Actions taken to increase production or sourcing of DCF volumes
Cattle products	Select from: <input checked="" type="checkbox"/> Yes
Soy	Select from: <input checked="" type="checkbox"/> Yes
Cocoa	Select from: <input checked="" type="checkbox"/> Yes
Coffee	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(8.11.1) Provide details of actions taken in the reporting year to assess and increase production/sourcing of deforestation- and conversion-free (DCF) volumes.**

### Cattle products

#### (8.11.1.1) Action type

Select from:

Increasing physical certification

#### (8.11.1.2) % of disclosure volume that is covered by this action

22

#### (8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year

Select from:

No

#### (8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

- Greater supplier awareness/engagement
- Increased knowledge on commodity driven deforestation, forest degradation and/or conversion

#### (8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges

*The challenge is most of products are derivative of commodity then required to enhancing and closely collaborative to strengthen the supplier's traceability system.*

### Soy

#### (8.11.1.1) Action type

Select from:

- Increasing physical certification

#### (8.11.1.2) % of disclosure volume that is covered by this action

78

#### (8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year

Select from:

No

#### (8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

- Greater supplier awareness/engagement



- Increased knowledge on commodity driven deforestation, forest degradation and/or conversion

### **(8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges**

*The challenge is most of products are derivative of commodity then required to enhancing and closely collaborative to strengthen the supplier's traceability system.*

## **Cocoa**

### **(8.11.1.1) Action type**

Select from:

- Increasing physical certification

### **(8.11.1.2) % of disclosure volume that is covered by this action**

0.63

### **(8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year**

Select from:

- No

### **(8.11.1.4) Main measures identified to manage or resolve the challenges**

Select all that apply

- Greater supplier awareness/engagement
- Increased knowledge on commodity driven deforestation, forest degradation and/or conversion

### **(8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges**

*The challenge is most of products are derivative of commodity then required to enhancing and closely collaborative to strengthen the supplier's traceability system.*

## Coffee

### (8.11.1.1) Action type

Select from:

- Increasing physical certification

### (8.11.1.2) % of disclosure volume that is covered by this action

0.74

### (8.11.1.3) Indicate whether you had any major barriers or challenges related to this action in the reporting year

Select from:

- No

### (8.11.1.4) Main measures identified to manage or resolve the challenges

Select all that apply

- Greater supplier awareness/engagement
- Increased knowledge on commodity driven deforestation, forest degradation and/or conversion

### (8.11.1.5) Provide further details on the actions taken, their contribution to achieving DCF status, and any related barriers or challenges

*The challenge is most of products are derivative of commodity then required to enhancing and closely collaborative to strengthen the supplier's traceability system.*  
[Add row]

## (8.14) Indicate if you assess your own compliance and/or the compliance of your suppliers with forest regulations and/or mandatory standards, and provide details.

### (8.14.1) Assess legal compliance with forest regulations

Select from:

- Yes, from suppliers

### (8.14.2) Aspects of legislation considered

Select all that apply

- Land use rights
- Environmental protection
- Labor rights
- Human rights protected under international law
- Tax, anti-corruption, trade and customs regulations

### (8.14.3) Procedure to ensure legal compliance

Select all that apply

- Second party audits
- Supplier self-declaration

### (8.14.5) Please explain

*the supplier must declared the relevant legal permit to their products and services to ensuring their legal compliance as each sector i.e food sector follow Thai-FDA, electronic follow TISI standard, all factory must provide the environmental permit, land permit, operation permit Labor practice, human rights etc.*  
[Fixed row]

### (8.15) Do you engage in landscape (including jurisdictional) initiatives to progress shared sustainable land use goals?

	Engagement in landscape/jurisdictional initiatives
	Select from:

	Engagement in landscape/jurisdictional initiatives
	<input checked="" type="checkbox"/> Yes, we engage in landscape/jurisdictional initiatives

[Fixed row]

**(8.15.1) Indicate the criteria you consider when prioritizing landscapes and jurisdictions for engagement in collaborative approaches to sustainable land use and provide an explanation.**

**(8.15.1.1) Criteria for prioritizing landscapes/jurisdictions for engagement**

Select all that apply

- Local government's commitment to sustainable land use
- Risk of deforestation, forests/land degradation, or conversion of other natural ecosystems
- Risk of issues related to land tenure rights
- Stakeholder/investor request

**(8.15.1.2) Explain your process for prioritizing landscapes/jurisdictions for engagement**

*as the double materiality review and stakeholder engagement that the compliance with legal requirements and impact to social environment and expectation from stakeholders also the impact to supply chain reliability and company's reputation.*

[Fixed row]

**(8.15.2) Provide details of your engagement with landscape/jurisdictional initiatives to sustainable land use during the reporting year.**

**Row 1**

**(8.15.2.1) Landscape/jurisdiction ID**

Select from:

LJ1

### (8.15.2.2) Name of initiative

*For Better Life of High Land Farmer" Project*

### (8.15.2.3) Country/area

Select from:

Thailand

### (8.15.2.4) Name of landscape or jurisdiction area

*Changrai and Mae Hong Sorn province*

### (8.15.2.5) Attach public information about the initiative (optional)

*For Better Life of High Land Former Projecgt.pdf*

### (8.15.2.6) Indicate if you can provide the size of the area covered by the initiative

Select from:

No, area is unknown

### (8.15.2.8) Type of engagement

Select all that apply

Partner: Shares responsibility with other stakeholders to manage and implement actions.

### (8.15.2.9) Engagement start year

2022

### (8.15.2.10) Engagement end year

Select from:

- Not defined

### (8.15.2.11) Estimated investment over the project period

100000

### (8.15.2.12) Landscape goals supported by engagement

#### Environmental

- Avoided deforestation/conversion of other natural ecosystems and/or decreased degradation rate
- Adequate water availability, water quality or access to WASH (Water, Sanitation and Hygiene) services

#### Production

- Improved and/or maintained soil health
- Increased adoption of sustainable production practices (e.g., input use efficiency and water management practices)

### (8.15.2.13) Organization actions supporting initiative

#### Support and incentivize sustainable production and community land use practices

- Capacity building for farmers, smallholders and local communities to implement good agricultural practices (including improved efficiency, crop diversification and adoption of certification)

### (8.15.2.14) Type of partners engaged in the initiative design and implementation

Select all that apply

- Private sector

### (8.15.2.15) Description of engagement

*The project aims to survey, educate, and promote farmers in the northern and northeast provinces which are chronic water stress areas. For improving the efficiency of agriculture production and preventing food loss. The Company collaborates with the Department of Agricultural Extension and universities to enhance the farmers' better farming for their better life i.e. use of the water-dropping system, stopping chemical pesticides, and transforming to organic farming also improve the soil health.*

The Company also sharing for fruit and vegetable species that consume less water and high demand from consumers to prevent food loss. Altogether, purchasing their projects to sell in upcountry stores.

#### (8.15.2.16) Collective monitoring framework used to measure progress towards landscape goals and actions

Select from:

Yes, progress is monitored using an internally defined framework

#### (8.15.2.17) State the achievements of your engagement so far and how progress is monitored

Target: 100% farmer in the areas are participated the program in 2030. Result: 281 farmers in the areas have participated program

#### (8.15.2.18) Claims made

Select from:

No, we are not making any claims, but we plan to in the next two years

### Row 2

#### (8.15.2.1) Landscape/jurisdiction ID

Select from:

LJ2

#### (8.15.2.2) Name of initiative

Next Gen New World & Planting Tree With Partners

#### (8.15.2.3) Country/area

Select from:

Thailand

#### (8.15.2.4) Name of landscape or jurisdiction area

#### (8.15.2.5) Attach public information about the initiative (optional)

*New Gen New World Project.pdf*

#### (8.15.2.6) Indicate if you can provide the size of the area covered by the initiative

Select from:

No, area is unknown

#### (8.15.2.8) Type of engagement

Select all that apply

Partner: Shares responsibility with other stakeholders to manage and implement actions.

#### (8.15.2.9) Engagement start year

2023

#### (8.15.2.10) Engagement end year

Select from:

Not defined

#### (8.15.2.11) Estimated investment over the project period

40308

#### (8.15.2.12) Landscape goals supported by engagement

##### Environmental

Biodiversity protected and/or restored

Forest fires monitored and prevented



### (8.15.2.13) Organization actions supporting initiative

#### Build community and multi-stakeholder capacities

- Engage stakeholders on importance of conservation, restoration and/or rehabilitation
- Promote and implement climate change adaptation and mitigation activities

### (8.15.2.14) Type of partners engaged in the initiative design and implementation

Select all that apply

- Private sector

### (8.15.2.15) Description of engagement

*collaboration with the Khao Yai National Park Conservation Foundation under the Next Gen New World project, organized youth training activities, including tree planting and forest fire stopping. The project has continuously planted over 61,000 trees in national parks many provinces. Furthermore, the company collaborates with partners in the campaign to generating funds through the sale of eco-friendly dishwashing liquid products. For every product sold, donated 1,209,234 THB are donated to support tress planting activities. Baht to support tree planting activities in Thailand.*

### (8.15.2.16) Collective monitoring framework used to measure progress towards landscape goals and actions

Select from:

- No, but we are planning to monitor progress in the next two years

### (8.15.2.18) Claims made

Select from:

- No, we are not making any claims, but we plan to in the next two years

[Add row]

**(8.15.3) For each of your disclosed commodities, provide details on the disclosure volume from each of the landscapes/jurisdictions you engage in.**

**Row 1**

### (8.15.3.1) Landscape/jurisdiction ID

Select from:

LJ1

**(8.15.3.2) Does any of your produced and/or sourced commodity volume originate from this landscape/jurisdiction, and are you able/willing to disclose information on this volume?**

Select from:

Yes, we do produce/source from this landscape/jurisdiction, but we are not able/willing to disclose volume data

## Row 2

### (8.15.3.1) Landscape/jurisdiction ID

Select from:

LJ2

**(8.15.3.2) Does any of your produced and/or sourced commodity volume originate from this landscape/jurisdiction, and are you able/willing to disclose information on this volume?**

Select from:

No, we do not produce/source from this landscape/jurisdiction

[Add row]

**(8.16) Do you participate in any other external activities to support the implementation of policies and commitments related to deforestation, ecosystem conversion, or human rights issues in commodity value chains?**

Select from:

No, but we plan to within the next two years

**(8.17) Is your organization supporting or implementing project(s) focused on ecosystem restoration and long-term protection?**

Select from:

No, but we plan to implement a project(s) within the next two years

## C9. Environmental performance - Water security

### (9.1) Are there any exclusions from your disclosure of water-related data?

Select from:

Yes

#### (9.1.1) Provide details on these exclusions.

##### Row 1

###### (9.1.1.1) Exclusion

Select from:

Country/geographical area

###### (9.1.1.2) Description of exclusion

*Lotus's Malaysia*

###### (9.1.1.3) Reason for exclusion

Select from:

Recent acquisition or merger

###### (9.1.1.5) Completion date of acquisition or merger

*09/30/2024*

###### (9.1.1.6) Data from the merger/acquisition will be incorporated in the next reporting year

Select from:

Yes

### (9.1.1.7) Percentage of water volume the exclusion represents

Select from:

6-10%

### (9.1.1.8) Please explain

*the consolidate Lotus's Malaysia will be started after completed the structure amalgamation on 1 Oct 2024.*

*[Add row]*

## (9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

### Water withdrawals – total volumes

#### (9.2.1) % of sites/facilities/operations

Select from:

100%

#### (9.2.2) Frequency of measurement

Select from:

Continuously

#### (9.2.3) Method of measurement

*continuously direct measurement by metering*

#### (9.2.4) Please explain

*water metering from authority.*

### Water withdrawals – volumes by source

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Continuously

### (9.2.3) Method of measurement

*continuously direct measurement by metering*

### (9.2.4) Please explain

*water metering from authority.*

## Water withdrawals quality

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*3rd party Laboratory testing*

### (9.2.4) Please explain

*grab sampling to external lab test as monthly basis to monitoring for sanitation and hygiene.*

## **Water discharges – total volumes**

### **(9.2.1) % of sites/facilities/operations**

*Select from:*

100%

### **(9.2.2) Frequency of measurement**

*Select from:*

Monthly

### **(9.2.3) Method of measurement**

*Calculation*

### **(9.2.4) Please explain**

*estimate from 80% of water withdrawal.*

## **Water discharges – volumes by destination**

### **(9.2.1) % of sites/facilities/operations**

*Select from:*

76-99

### **(9.2.2) Frequency of measurement**

*Select from:*

Monthly

### **(9.2.3) Method of measurement**

Calculation

#### (9.2.4) Please explain

*estimate from 80% of water withdrawal.*

### Water discharges – volumes by treatment method

#### (9.2.1) % of sites/facilities/operations

Select from:

76-99

#### (9.2.2) Frequency of measurement

Select from:

Monthly

#### (9.2.3) Method of measurement

*water metering*

#### (9.2.4) Please explain

*estimate from 80% of water withdrawal.*

### Water discharge quality – by standard effluent parameters

#### (9.2.1) % of sites/facilities/operations

Select from:

76-99

#### (9.2.2) Frequency of measurement



Select from:

Monthly

### (9.2.3) Method of measurement

*3rd party Laboratory testing*

### (9.2.4) Please explain

*grab sampling to external lab test as monthly basis to monitoring as domestic wastewater effluent regulation (BOD, COD, pH, TDS, SS)*

## **Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)**

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*3rd party Laboratory testing*

### (9.2.4) Please explain

*grab sampling to external lab test as monthly basis to monitoring as domestic wastewater effluent regulation (TKN, Oil & Grease, Total Phosphate)*

## **Water discharge quality – temperature**

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*3rd party Laboratory testing*

### (9.2.4) Please explain

*grab sampling to external lab test as monthly basis to monitoring as domestic wastewater effluent regulation*

## Water consumption – total volume

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Continuously

### (9.2.3) Method of measurement

*Calculation from diff of water withdrawal and water discharge.*

### (9.2.4) Please explain

*Calculation from diff of water withdrawal and water discharge.*

## Water recycled/reused

### (9.2.1) % of sites/facilities/operations

Select from:

1-25

### (9.2.2) Frequency of measurement

Select from:

Daily

### (9.2.3) Method of measurement

*watering flow meter*

### (9.2.4) Please explain

*75 stores has installed wastewater recycle system and flow meter for daily monitoring.*

## The provision of fully-functioning, safely managed WASH services to all workers

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*3rd party Laboratory testing*

## (9.2.4) Please explain

*grab sampling to external lab test as monthly basis to monitoring as domestic wastewater effluent regulation*  
*[Fixed row]*

**(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?**

### Total withdrawals

#### (9.2.2.1) Volume (megaliters/year)

12.57

#### (9.2.2.2) Comparison with previous reporting year

Select from:

Higher

#### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

#### (9.2.2.4) Five-year forecast

Select from:

Higher

#### (9.2.2.5) Primary reason for forecast

Select from:

Increase/decrease in business activity

### (9.2.2.6) Please explain

*Open new stores*

## Total discharges

### (9.2.2.1) Volume (megaliters/year)

8.04

### (9.2.2.2) Comparison with previous reporting year

Select from:

Higher

### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.2.4) Five-year forecast

Select from:

Higher

### (9.2.2.5) Primary reason for forecast

Select from:

Increase/decrease in business activity

### (9.2.2.6) Please explain

*Open the new stores.*

## Total consumption

### (9.2.2.1) Volume (megaliters/year)

4.54

### (9.2.2.2) Comparison with previous reporting year

Select from:

Higher

### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.2.4) Five-year forecast

Select from:

Higher

### (9.2.2.5) Primary reason for forecast

Select from:

Increase/decrease in business activity

### (9.2.2.6) Please explain

Open the new stores.

[Fixed row]

**(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.**

#### (9.2.4.1) Withdrawals are from areas with water stress

Select from:

Yes

#### (9.2.4.2) Volume withdrawn from areas with water stress (megaliters)

5.83

#### (9.2.4.3) Comparison with previous reporting year

Select from:

Higher

#### (9.2.4.4) Primary reason for comparison with previous reporting year

Select from:

Other, please specify :the water stress expansion from Aqueduct mapping according to the global warming.

#### (9.2.4.5) Five-year forecast

Select from:

Higher

#### (9.2.4.6) Primary reason for forecast

Select from:

Other, please specify :the water stress expansion from Aqueduct mapping according to the global warming.

#### (9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress

46.38

#### (9.2.4.8) Identification tool

Select all that apply

WRI Aqueduct

#### (9.2.4.9) Please explain

*In 2023, the majority factor of water stress in Thailand has significantly increased.*

*[Fixed row]*

#### (9.2.7) Provide total water withdrawal data by source.

##### **Fresh surface water, including rainwater, water from wetlands, rivers, and lakes**

#### (9.2.7.1) Relevance

Select from:

Not relevant

#### (9.2.7.5) Please explain

*Not utilize from source of fresh surface water, including rainwater, water from wetlands, rivers, and lakes.*

##### **Brackish surface water/Seawater**

#### (9.2.7.1) Relevance

Select from:

Not relevant

#### (9.2.7.5) Please explain

*Not utilize from source of Brackish surface water/Seawater*

##### **Groundwater – renewable**



### (9.2.7.1) Relevance

Select from:

Relevant

### (9.2.7.2) Volume (megaliters/year)

0.11

### (9.2.7.3) Comparison with previous reporting year

Select from:

Higher

### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.7.5) Please explain

*few stores have utilized groundwater combine with portable water for cooling tower.*

## Groundwater – non-renewable

### (9.2.7.1) Relevance

Select from:

Not relevant

### (9.2.7.5) Please explain

*No non-renewable groundwater well and no utilization.*

## Produced/Entrained water

### (9.2.7.1) Relevance

Select from:

Not relevant

### (9.2.7.5) Please explain

*No produced / entrained water in the process or facilities.*

### Third party sources

### (9.2.7.1) Relevance

Select from:

Relevant

### (9.2.7.2) Volume (megaliters/year)

12.46

### (9.2.7.3) Comparison with previous reporting year

Select from:

Higher

### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.7.5) Please explain

*Majority utilized portable water from the Municipal water supplies and some ground water.*

*[Fixed row]*

## **(9.2.8) Provide total water discharge data by destination.**

### **Fresh surface water**

#### **(9.2.8.1) Relevance**

Select from:

Not relevant

#### **(9.2.8.5) Please explain**

*not relevant because 100% discharge pipeline to sewage system only.*

### **Brackish surface water/seawater**

#### **(9.2.8.1) Relevance**

Select from:

Not relevant

#### **(9.2.8.5) Please explain**

*not relevant because 100% discharge pipeline to sewage system only.*

### **Groundwater**

#### **(9.2.8.1) Relevance**

Select from:

Not relevant

#### **(9.2.8.5) Please explain**

*not relevant because 100% discharge pipeline to sewage system only.*

## Third-party destinations

### (9.2.8.1) Relevance

Select from:

Relevant

### (9.2.8.2) Volume (megaliters/year)

8.04

### (9.2.8.3) Comparison with previous reporting year

Select from:

Higher

### (9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.8.5) Please explain

*open new stores.*

*[Fixed row]*

**(9.2.9) Within your direct operations, indicate the highest level(s) to which you treat your discharge.**

## Tertiary treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*all water treatment systems are aerobic water treatment systems which is standard design for every store and effluent must be treated until is not exceed the (pH, Temperature, BOD, COD, TDS, SS, TKN, Total phosphate) as the regulation.*

### Secondary treatment

#### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Relevant

#### (9.2.9.2) Volume (megaliters/year)

8.04

#### (9.2.9.3) Comparison of treated volume with previous reporting year

Select from:

Higher

#### (9.2.9.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

#### (9.2.9.5) % of your sites/facilities/operations this volume applies to

Select from:

91-99

### (9.2.9.6) Please explain

*the consolidate data from Lotus's Malaysia will be started after completing the structure amalgamation on 1 Oct 2024.*

## Primary treatment only

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*all water treatment systems are aerobic water treatment systems which is standard design for every store and effluent must be treated until is not exceed the (pH, Temperature, BOD, COD, TDS, SS, TKN) as the regulation.*

## Discharge to the natural environment without treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*all water treatment systems are aerobic water treatment systems which is standard design for every store and effluent must be treated until is not exceed the (pH, Temperature, BOD, COD, TDS, SS, TKN) as the regulation.*

## Discharge to a third party without treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*all water treatment systems are aerobic water treatment systems which is standard design for every store and effluent must be treated until is not exceed the (pH, Temperature, BOD, COD, TDS, SS, TKN) as the regulation.*

## Other

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*all water treatment systems are aerobic water treatment systems which is standard design for every store and effluent must be treated until is not exceed the (pH, Temperature, BOD, COD, TDS, SS, TKN) as the regulation.*

[Fixed row]

### (9.2.10) Provide details of your organization's emissions of nitrates, phosphates, pesticides, and other priority substances to water in the reporting year.

	Emissions to water in the reporting year (metric tons)	Categories of substances included	Please explain
	0	Select all that apply <input checked="" type="checkbox"/> Nitrates	<i>all store utilize aerobic wastewater treatment plant at site and monitoring based on the requirement in the domestic wastewater effluent regulation.</i>

[Fixed row]

### (9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?

#### Direct operations

#### (9.3.1) Identification of facilities in the value chain stage

Select from:

Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

### (9.3.2) Total number of facilities identified

572

### (9.3.3) % of facilities in direct operations that this represents

Select from:

26-50

### (9.3.4) Please explain

*significant facilities as 100% of whole sale stores, Distribution centers, hypermarket, supermarket. only one format exclude which is mini supermarket.*

## Upstream value chain

### (9.3.1) Identification of facilities in the value chain stage

Select from:

Yes, we have assessed this value chain stage and identified facilities with water-related dependencies, impacts, risks, and opportunities

### (9.3.2) Total number of facilities identified

62

### (9.3.4) Please explain

*100% of Critical tier 1 suppliers  
[Fixed row]*

**(9.3.1) For each facility referenced in 9.3, provide coordinates, water accounting data, and a comparison with the previous reporting year.**



## Row 1

### (9.3.1.1) Facility reference number

Select from:

- Facility 1

### (9.3.1.2) Facility name (optional)

ST01

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

13.765946

**(9.3.1.9) Longitude**

100.640304

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

47.06

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

47.06

**(9.3.1.21) Total water discharges at this facility (megaliters)**

20.74

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

20.74

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*water resources management is a critical pillar in CP Axtra's adaptive measures against climate change. The Company has sought to mitigate these risks through conducting site-level water stress risk assessment. The water usage are from the water authorities who's installed their water metering and billing as monthly basis. The data are collected from the monthly water billing. The Company has also extended such risks assessments to its Critical Tier 1 suppliers. As such, a focus area under this pillar will drive water stewardship within CP Axtra's operations and its supply chains. Another key action item under this pillar will be to strengthen its management and response plans at site level to include a wider range of natural hazards over the next several years. To holistically address and adapt to the potential risks of climate change and water risk it both flooding and water stress. CP Axtra will also need to be proactive in monitoring changes in the social media, community feedback as well as the changing regulatory landscape at both the regional and national level.*

**Row 2****(9.3.1.1) Facility reference number**

Select from:

Facility 2

**(9.3.1.2) Facility name (optional)**

ST02

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.894715

### (9.3.1.9) Longitude

100.548461

### (9.3.1.10) Located in area with water stress

Select from:

- Yes

### (9.3.1.13) Total water withdrawals at this facility (megaliters)

57.64

### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

57.64

**(9.3.1.21) Total water discharges at this facility (megaliters)**

31.9

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

31.9

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

25.74

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 3**

**(9.3.1.1) Facility reference number**

Select from:

Facility 3

### (9.3.1.2) Facility name (optional)

ST03

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

### (9.3.1.8) Latitude

13.650437

### (9.3.1.9) Longitude

100.642372



**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

37.9

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

37.9

**(9.3.1.21) Total water discharges at this facility (megaliters)**

16.11

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

16.11

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

21.79

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

### (9.3.1.29) Please explain

same as Row 1

### Row 4

### (9.3.1.1) Facility reference number

Select from:

Facility 4

### (9.3.1.2) Facility name (optional)

ST04

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.670977

**(9.3.1.9) Longitude**

100.408271

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

37.75

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

37.75

**(9.3.1.21) Total water discharges at this facility (megaliters)**

15.99

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

15.99

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

21.76

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 5**

**(9.3.1.1) Facility reference number**

Select from:

Facility 5

**(9.3.1.2) Facility name (optional)**

ST05

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

#### (9.3.1.8) Latitude

13.322271

#### (9.3.1.9) Longitude

100.960506

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

51.31

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

51.31

**(9.3.1.21) Total water discharges at this facility (megaliters)**

26.84

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**



26.84

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

24.47

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 6**

**(9.3.1.1) Facility reference number**

Select from:

Facility 6

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Ping

### (9.3.1.8) Latitude

18.785165

### (9.3.1.9) Longitude

99.028832

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

71.58

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

66.95

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

4.63

**(9.3.1.21) Total water discharges at this facility (megaliters)**

43.06

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

43.06

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

28.52

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 7

### (9.3.1.1) Facility reference number

Select from:

Facility 7

### (9.3.1.2) Facility name (optional)

ST07

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

14.994147

**(9.3.1.9) Longitude**

102.099027

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

34.37

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

34.37

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.29

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.29

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

21.08

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 8**

**(9.3.1.1) Facility reference number**

Select from:

Facility 8

**(9.3.1.2) Facility name (optional)**

ST08

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.974902

#### (9.3.1.9) Longitude

100.617211

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

35.34

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

35.34

**(9.3.1.21) Total water discharges at this facility (megaliters)**

14.06

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

14.06

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

21.28

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 9**

**(9.3.1.1) Facility reference number**

Select from:

Facility 9

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

16.794576

**(9.3.1.9) Longitude**

100.232192

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

34.51

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

34.51

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.69

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

10.69

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

23.81

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 10

### (9.3.1.1) Facility reference number

Select from:

- Facility 10

### (9.3.1.2) Facility name (optional)

ST12

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

16.405485

**(9.3.1.9) Longitude**

102.814184

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

27.16

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

27.16

**(9.3.1.21) Total water discharges at this facility (megaliters)**

7.52

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

7.52

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

19.64

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 11**

**(9.3.1.1) Facility reference number**

Select from:

Facility 11

**(9.3.1.2) Facility name (optional)**

ST15

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

#### (9.3.1.8) Latitude

12.696236

#### (9.3.1.9) Longitude

101.263725

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

34.14

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

34.14

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.1

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.1

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

21.04

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 12**

**(9.3.1.1) Facility reference number**

Select from:

Facility 12

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Mekong

**(9.3.1.8) Latitude**

15.684506

**(9.3.1.9) Longitude**

100.129743

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

29.81

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

29.81

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.64

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.64

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

20.17

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**



same as Row 1

## Row 13

### (9.3.1.1) Facility reference number

Select from:

Facility 13

### (9.3.1.2) Facility name (optional)

ST17

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.762195

**(9.3.1.9) Longitude**

100.470033

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

41.44

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

41.44

**(9.3.1.21) Total water discharges at this facility (megaliters)**

18.94

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

18.94

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

22.5

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 14**

**(9.3.1.1) Facility reference number**

Select from:

Facility 14

**(9.3.1.2) Facility name (optional)**

ST18

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.709969

#### (9.3.1.9) Longitude

100.535382

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

51.64

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

51.64

**(9.3.1.21) Total water discharges at this facility (megaliters)**

27.1

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

27.1

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

24.54

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 15**

**(9.3.1.1) Facility reference number**

Select from:

Facility 15

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.806261

### (9.3.1.9) Longitude

100.008731

### (9.3.1.10) Located in area with water stress



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

25.96

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

25.96

**(9.3.1.21) Total water discharges at this facility (megaliters)**

6.56

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

6.56

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

19.4

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 16

### (9.3.1.1) Facility reference number

Select from:

Facility 16

### (9.3.1.2) Facility name (optional)

ST20

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

14.870691

**(9.3.1.9) Longitude**

103.512115

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.28

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.28

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.42

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

11.42

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.86

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 17**

**(9.3.1.1) Facility reference number**

Select from:

Facility 17

**(9.3.1.2) Facility name (optional)**

ST21

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.791352

#### (9.3.1.9) Longitude

100.512988

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

14.12

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.12

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.3

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**



11.3

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.82

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 18**

**(9.3.1.1) Facility reference number**

Select from:

Facility 18

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Mae Klong

**(9.3.1.8) Latitude**

8.435111

**(9.3.1.9) Longitude**

99.927892

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

15.81

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

15.81

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.65

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

12.65

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.16

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 19

### (9.3.1.1) Facility reference number

Select from:

- Facility 19

### (9.3.1.2) Facility name (optional)

ST23

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

19.956963

**(9.3.1.9) Longitude**

99.85283

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

13.19

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.19

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.55

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

10.55

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.64

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 20**

**(9.3.1.1) Facility reference number**

Select from:

Facility 20

**(9.3.1.2) Facility name (optional)**

ST25

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

14.48317

#### (9.3.1.9) Longitude

100.130388

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

19.4

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

19.4

**(9.3.1.21) Total water discharges at this facility (megaliters)**

15.52

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

15.52

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.88

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 21**

**(9.3.1.1) Facility reference number**

Select from:

Facility 21

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

16.058361

**(9.3.1.9) Longitude**

103.630581

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.05

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.05

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.24

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

11.24

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.81

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 22

### (9.3.1.1) Facility reference number

Select from:

- Facility 22

### (9.3.1.2) Facility name (optional)

ST30

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.809609

**(9.3.1.9) Longitude**

102.078947

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

12.15

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

12.15

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.72

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.72

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.43

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 23**

**(9.3.1.1) Facility reference number**

Select from:

Facility 23

**(9.3.1.2) Facility name (optional)**

ST31

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Tapee

#### (9.3.1.8) Latitude

9.53923

#### (9.3.1.9) Longitude

100.041282

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

1.22

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

1.22

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.97

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

0.97

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.24

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 24**

**(9.3.1.1) Facility reference number**

Select from:

Facility 24

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Mekong

**(9.3.1.8) Latitude**

14.975166

**(9.3.1.9) Longitude**

103.070266

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

18.55

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

18.55

**(9.3.1.21) Total water discharges at this facility (megaliters)**

14.84

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

14.84

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.71

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**



same as Row 1

## Row 25

### (9.3.1.1) Facility reference number

Select from:

- Facility 25

### (9.3.1.2) Facility name (optional)

ST33

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

15.106754

**(9.3.1.9) Longitude**

104.370141

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.69

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.69

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.75

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

11.75

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.94

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 26**

**(9.3.1.1) Facility reference number**

Select from:

Facility 26

**(9.3.1.2) Facility name (optional)**

ST34

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Ping

#### (9.3.1.8) Latitude

18.595105

#### (9.3.1.9) Longitude

99.040554

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

13.33

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.33

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.66

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

10.66

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.66

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 27**

**(9.3.1.1) Facility reference number**

Select from:

Facility 27

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Mekong

**(9.3.1.8) Latitude**

15.776285

**(9.3.1.9) Longitude**

102.026973

**(9.3.1.10) Located in area with water stress**



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

11.72

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

11.72

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.38

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.38

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.34

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 28

### (9.3.1.1) Facility reference number

Select from:

- Facility 28

### (9.3.1.2) Facility name (optional)

ST38

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

14.551581

**(9.3.1.9) Longitude**

100.963079

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.88

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.88

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.91

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

11.91

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.98

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 29**

**(9.3.1.1) Facility reference number**

Select from:

Facility 29

**(9.3.1.2) Facility name (optional)**

ST40

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

#### (9.3.1.8) Latitude

13.720408

#### (9.3.1.9) Longitude

101.041808

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

13.48

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.48

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.79

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**



10.79

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.7

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 30**

**(9.3.1.1) Facility reference number**

Select from:

Facility 30

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Other, please specify : Ping

**(9.3.1.8) Latitude**

18.741212

**(9.3.1.9) Longitude**

98.958874

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

20.58

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

20.58

**(9.3.1.21) Total water discharges at this facility (megaliters)**

16.47

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

16.47

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

4.12

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 31

### (9.3.1.1) Facility reference number

Select from:

- Facility 31

### (9.3.1.2) Facility name (optional)

ST42

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.811294

**(9.3.1.9) Longitude**

100.696014

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

23.27

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

23.27

**(9.3.1.21) Total water discharges at this facility (megaliters)**

18.62

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

18.62

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

4.65

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 32**

**(9.3.1.1) Facility reference number**

Select from:

Facility 32

**(9.3.1.2) Facility name (optional)**

ST44

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

#### (9.3.1.8) Latitude

12.898031

#### (9.3.1.9) Longitude

100.894712

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

9.95

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

9.95

**(9.3.1.21) Total water discharges at this facility (megaliters)**

7.96

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

7.96

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.99

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 33**

**(9.3.1.1) Facility reference number**

Select from:

Facility 33

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Mae Klong

**(9.3.1.8) Latitude**

16.451625

**(9.3.1.9) Longitude**

99.537969

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

12.64

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

12.64

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.11

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

10.11

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.53

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 34

### (9.3.1.1) Facility reference number

Select from:

- Facility 34

### (9.3.1.2) Facility name (optional)

ST47

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mae Klong

**(9.3.1.8) Latitude**

14.78285

**(9.3.1.9) Longitude**

100.686701

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

27

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

27

**(9.3.1.21) Total water discharges at this facility (megaliters)**

21.6

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

21.6

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

5.4

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 35**

**(9.3.1.1) Facility reference number**

Select from:

Facility 35

**(9.3.1.2) Facility name (optional)**

ST50

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Ping

#### (9.3.1.8) Latitude

18.899279

#### (9.3.1.9) Longitude

98.952069

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

16.34

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

16.34

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.07

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.07

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.27

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 36**

**(9.3.1.1) Facility reference number**

Select from:

Facility 36

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

14.322258

**(9.3.1.9) Longitude**

100.635661

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

23.12

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

23.12

**(9.3.1.21) Total water discharges at this facility (megaliters)**

18.5

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

18.5

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

4.62

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**



same as Row 1

## Row 37

### (9.3.1.1) Facility reference number

Select from:

Facility 37

### (9.3.1.2) Facility name (optional)

ST52

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Other, please specify : Ping

**(9.3.1.8) Latitude**

18.275057

**(9.3.1.9) Longitude**

99.484437

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

16.19

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

16.19

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.95

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

12.95

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.24

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 38**

**(9.3.1.1) Facility reference number**

Select from:

Facility 38

**(9.3.1.2) Facility name (optional)**

ST54

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

14.066834

#### (9.3.1.9) Longitude

100.633132

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

28.71

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

28.71

**(9.3.1.21) Total water discharges at this facility (megaliters)**

22.97

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

22.97

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

5.74

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 39**

**(9.3.1.1) Facility reference number**

Select from:

Facility 39

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mae Klong

### (9.3.1.8) Latitude

16.388821

### (9.3.1.9) Longitude

101.128982

### (9.3.1.10) Located in area with water stress



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

19.48

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

19.48

**(9.3.1.21) Total water discharges at this facility (megaliters)**

15.58

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

15.58

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.89

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 40

### (9.3.1.1) Facility reference number

Select from:

Facility 40

### (9.3.1.2) Facility name (optional)

ST57

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.635572

**(9.3.1.9) Longitude**

100.711981

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

26.95

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

26.95

**(9.3.1.21) Total water discharges at this facility (megaliters)**

21.56

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

21.56

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

5.39

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 41**

**(9.3.1.1) Facility reference number**

Select from:

Facility 41

**(9.3.1.2) Facility name (optional)**

ST61

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Chi

#### (9.3.1.8) Latitude

16.552933

#### (9.3.1.9) Longitude

102.086478

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

32

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

32

**(9.3.1.21) Total water discharges at this facility (megaliters)**

19

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**



19

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

13

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 42**

**(9.3.1.1) Facility reference number**

Select from:

Facility 42

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Tapee

### (9.3.1.8) Latitude

9.709261

### (9.3.1.9) Longitude

99.996301

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

5.77

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

5.77

**(9.3.1.21) Total water discharges at this facility (megaliters)**

4.61

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

4.61

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.15

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 43

### (9.3.1.1) Facility reference number

Select from:

Facility 43

### (9.3.1.2) Facility name (optional)

ST66

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Other, please specify : Bang Pakong

**(9.3.1.8) Latitude**

12.948715

**(9.3.1.9) Longitude**

100.9026

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

10.63

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

10.63

**(9.3.1.21) Total water discharges at this facility (megaliters)**

8.51

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

8.51

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.13

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 44**

**(9.3.1.1) Facility reference number**

Select from:

Facility 44

**(9.3.1.2) Facility name (optional)**

ST68

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.801715

#### (9.3.1.9) Longitude

100.305489

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

25.56

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

25.56

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.85

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.85

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

11.71

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 45**

**(9.3.1.1) Facility reference number**

Select from:

Facility 45

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

17.016935

**(9.3.1.9) Longitude**

99.846392

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

22.77

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

22.77

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.62

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

11.62

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

11.15

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 46

### (9.3.1.1) Facility reference number

Select from:

Facility 46

### (9.3.1.2) Facility name (optional)

ST72

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.569154

**(9.3.1.9) Longitude**

100.30326

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

22.73

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

22.73

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.59

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

11.59

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

11.15

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 47**

**(9.3.1.1) Facility reference number**

Select from:

Facility 47

**(9.3.1.2) Facility name (optional)**

ST74

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mekong

#### (9.3.1.8) Latitude

14.649648

#### (9.3.1.9) Longitude

101.408606

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

30.16

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

30.16

**(9.3.1.21) Total water discharges at this facility (megaliters)**

17.53

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

17.53

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.63

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 48**

**(9.3.1.1) Facility reference number**

Select from:

Facility 48

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Other, please specify : tapee

**(9.3.1.8) Latitude**

9.458089

**(9.3.1.9) Longitude**

100.038109

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

10.34

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

10.34

**(9.3.1.21) Total water discharges at this facility (megaliters)**

8.27

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

8.27

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.07

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**



same as Row 1

## Row 49

### (9.3.1.1) Facility reference number

Select from:

Facility 49

### (9.3.1.2) Facility name (optional)

ST78

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.702641

**(9.3.1.9) Longitude**

100.445916

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

12.64

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

12.64

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.11

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

10.11

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.53

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 50**

**(9.3.1.1) Facility reference number**

Select from:

Facility 50

**(9.3.1.2) Facility name (optional)**

ST80

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Chi

#### (9.3.1.8) Latitude

16.211561

#### (9.3.1.9) Longitude

103.275095

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

19.64

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

19.64

**(9.3.1.21) Total water discharges at this facility (megaliters)**

15.71

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

15.71

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.93

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 51**

**(9.3.1.1) Facility reference number**

Select from:

Facility 51

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Ping

### (9.3.1.8) Latitude

19.89032

### (9.3.1.9) Longitude

99.195817

### (9.3.1.10) Located in area with water stress



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.66

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.66

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.73

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

11.73

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.93

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 52

### (9.3.1.1) Facility reference number

Select from:

Facility 52

### (9.3.1.2) Facility name (optional)

ST82

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

14.227168

**(9.3.1.9) Longitude**

101.234093

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

31.38

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

31.38

**(9.3.1.21) Total water discharges at this facility (megaliters)**

18.51

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

18.51

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.88

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 53**

**(9.3.1.1) Facility reference number**

Select from:

Facility 53

**(9.3.1.2) Facility name (optional)**

ST83

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.82891

#### (9.3.1.9) Longitude

100.484218

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

28.69

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

28.69

**(9.3.1.21) Total water discharges at this facility (megaliters)**

16.35

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**



16.35

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.34

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 54**

**(9.3.1.1) Facility reference number**

Select from:

Facility 54

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

### (9.3.1.8) Latitude

12.629707

### (9.3.1.9) Longitude

101.443619

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

15.84

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

15.84

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.67

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

12.67

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.17

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 55

### (9.3.1.1) Facility reference number

Select from:

- Facility 55

### (9.3.1.2) Facility name (optional)

ST86

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.69939

**(9.3.1.9) Longitude**

100.646355

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

16.37

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

16.37

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.1

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.1

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.27

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 56**

**(9.3.1.1) Facility reference number**

Select from:

Facility 56

**(9.3.1.2) Facility name (optional)**

ST87

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mekong

#### (9.3.1.8) Latitude

19.155426

#### (9.3.1.9) Longitude

99.915158

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

15.47

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

15.47

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.37

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

12.37

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.09

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 57**

**(9.3.1.1) Facility reference number**

Select from:

Facility 57

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

16.816067

**(9.3.1.9) Longitude**

100.322303

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.38

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.38

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.5

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

11.5

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.88

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 58

### (9.3.1.1) Facility reference number

Select from:

- Facility 58

### (9.3.1.2) Facility name (optional)

ST91

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Other, please specify : Ping

**(9.3.1.8) Latitude**

18.797611

**(9.3.1.9) Longitude**

98.997135

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

0.17

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

0.17

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.14

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

0.14

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.03

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 59**

**(9.3.1.1) Facility reference number**

Select from:

Facility 59

**(9.3.1.2) Facility name (optional)**

ST94

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mekong

#### (9.3.1.8) Latitude

14.976842

#### (9.3.1.9) Longitude

102.080349

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

0.09

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

About the same

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

0.09

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.07

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

About the same

**(9.3.1.23) Discharges to fresh surface water**

0.07

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.02

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

About the same

**(9.3.1.29) Please explain**

same as Row 1

**Row 60**

**(9.3.1.1) Facility reference number**

Select from:

Facility 60

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Other, please specify : Bang Pakong

**(9.3.1.8) Latitude**

13.1643

**(9.3.1.9) Longitude**

100.9218

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

0.04

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

About the same

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

0.04

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.03

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

About the same

**(9.3.1.23) Discharges to fresh surface water**

0.03

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.01

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

About the same

**(9.3.1.29) Please explain**



same as Row 1

## Row 61

### (9.3.1.1) Facility reference number

Select from:

- Facility 61

### (9.3.1.2) Facility name (optional)

ST96

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.768996

**(9.3.1.9) Longitude**

100.605543

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

2.27

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

2.27

**(9.3.1.21) Total water discharges at this facility (megaliters)**

1.81

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

1.81

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.45

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 62**

**(9.3.1.1) Facility reference number**

Select from:

Facility 62

**(9.3.1.2) Facility name (optional)**

ST100

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mekong

#### (9.3.1.8) Latitude

18.117688

#### (9.3.1.9) Longitude

100.15084

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

13.25

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.25

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.6

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

10.6

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.65

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 63**

**(9.3.1.1) Facility reference number**

Select from:

Facility 63

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Mekong

**(9.3.1.8) Latitude**

14.932524

**(9.3.1.9) Longitude**

102.13612

**(9.3.1.10) Located in area with water stress**



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

30.58

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0.69

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

29.89

**(9.3.1.21) Total water discharges at this facility (megaliters)**

17.86

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

17.86

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.72

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 64

### (9.3.1.1) Facility reference number

Select from:

Facility 64

### (9.3.1.2) Facility name (optional)

ST103

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

18.754239

**(9.3.1.9) Longitude**

100.75989

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

16.64

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

16.64

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.31

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.31

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.33

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 65**

**(9.3.1.1) Facility reference number**

Select from:

Facility 65

**(9.3.1.2) Facility name (optional)**

ST107

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mekong

#### (9.3.1.8) Latitude

17.209668

#### (9.3.1.9) Longitude

102.434424

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

15.6

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

15.6

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.48

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**



12.48

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.12

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 66**

**(9.3.1.1) Facility reference number**

Select from:

Facility 66

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.857058

### (9.3.1.9) Longitude

100.855561

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

22.09

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

22.09

**(9.3.1.21) Total water discharges at this facility (megaliters)**

17.67

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

17.67

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

4.42

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 67

### (9.3.1.1) Facility reference number

Select from:

Facility 67

### (9.3.1.2) Facility name (optional)

ST109

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Other, please specify : Bang Pakong

**(9.3.1.8) Latitude**

13.08081

**(9.3.1.9) Longitude**

100.92062

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.87

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.87

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.9

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

11.9

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.97

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 68**

**(9.3.1.1) Facility reference number**

Select from:

Facility 68

**(9.3.1.2) Facility name (optional)**

ST111

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mae Klong

#### (9.3.1.8) Latitude

13.707056

#### (9.3.1.9) Longitude

100.382191

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

27.48

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

27.48

**(9.3.1.21) Total water discharges at this facility (megaliters)**

14.88

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

14.88

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.6

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 69**

**(9.3.1.1) Facility reference number**

Select from:

Facility 69

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

### (9.3.1.8) Latitude

13.541053

### (9.3.1.9) Longitude

100.619531

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

2.03

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

2.03

**(9.3.1.21) Total water discharges at this facility (megaliters)**

1.62

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

1.62

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.41

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 70

### (9.3.1.1) Facility reference number

Select from:

- Facility 70

### (9.3.1.2) Facility name (optional)

ST113

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.824719

**(9.3.1.9) Longitude**

100.592802

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

3.41

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

3.41

**(9.3.1.21) Total water discharges at this facility (megaliters)**

2.72

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

2.72

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.68

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 71**

**(9.3.1.1) Facility reference number**

Select from:

Facility 71

**(9.3.1.2) Facility name (optional)**

ST114

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mae Klong

#### (9.3.1.8) Latitude

14.890993

#### (9.3.1.9) Longitude

100.429328

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

13.1

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.1

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.48

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

10.48

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.62

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 72**

**(9.3.1.1) Facility reference number**

Select from:

Facility 72

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

13.927063

**(9.3.1.9) Longitude**

100.409354

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

27.46

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

27.46

**(9.3.1.21) Total water discharges at this facility (megaliters)**

15.37

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

15.37

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.09

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**



same as Row 1

## Row 73

### (9.3.1.1) Facility reference number

Select from:

- Facility 73

### (9.3.1.2) Facility name (optional)

ST116

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mekong

**(9.3.1.8) Latitude**

16.454271

**(9.3.1.9) Longitude**

103.53069

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

24.86

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

24.86

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.78

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

12.78

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.08

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 74**

**(9.3.1.1) Facility reference number**

Select from:

Facility 74

**(9.3.1.2) Facility name (optional)**

ST117

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.678541

#### (9.3.1.9) Longitude

100.615853

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

9.53

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

9.53

**(9.3.1.21) Total water discharges at this facility (megaliters)**

7.62

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

7.62

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.9

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 75**

**(9.3.1.1) Facility reference number**

Select from:

Facility 75

**(9.3.1.2) Facility name (optional)**

**(9.3.1.3) Value chain stage**

Select from:

- Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

**(9.3.1.5) Withdrawals or discharges in the reporting year**

Select from:

- Yes, withdrawals and discharges

**(9.3.1.7) Country/Area & River basin**

**Thailand**

- Chao Phraya

**(9.3.1.8) Latitude**

13.776221

**(9.3.1.9) Longitude**

100.674519

**(9.3.1.10) Located in area with water stress**



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

5.69

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

5.69

**(9.3.1.21) Total water discharges at this facility (megaliters)**

4.55

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

4.55

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.14

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 76

### (9.3.1.1) Facility reference number

Select from:

- Facility 76

### (9.3.1.2) Facility name (optional)

ST119

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Mae Klong

**(9.3.1.8) Latitude**

16.432428

**(9.3.1.9) Longitude**

100.335545

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

16.75

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

16.75

**(9.3.1.21) Total water discharges at this facility (megaliters)**

13.4

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

13.4

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.35

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 77**

**(9.3.1.1) Facility reference number**

Select from:

Facility 77

**(9.3.1.2) Facility name (optional)**

ST120

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

14.031139

#### (9.3.1.9) Longitude

100.52327

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

37.5

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

37.5

**(9.3.1.21) Total water discharges at this facility (megaliters)**

22.9

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**



22.9

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

14.6

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 78**

**(9.3.1.1) Facility reference number**

Select from:

Facility 78

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.771277

### (9.3.1.9) Longitude

100.614364

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

6.54

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

6.54

**(9.3.1.21) Total water discharges at this facility (megaliters)**

5.23

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

5.23

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.31

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 79

### (9.3.1.1) Facility reference number

Select from:

Facility 79

### (9.3.1.2) Facility name (optional)

ST122

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.655009

**(9.3.1.9) Longitude**

100.498707

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

11.38

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

11.38

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.11

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.11

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.28

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 80**

**(9.3.1.1) Facility reference number**

Select from:

Facility 80

**(9.3.1.2) Facility name (optional)**

ST123

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.719059

#### (9.3.1.9) Longitude

100.595409

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

7.91

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

7.91

**(9.3.1.21) Total water discharges at this facility (megaliters)**

6.33

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

6.33

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.58

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

*same as Row 1*

**Row 81**

**(9.3.1.1) Facility reference number**

Select from:

Facility 81

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.811825

### (9.3.1.9) Longitude

100.651576

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

11.96

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

11.96

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.57

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.57

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.39

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 82

### (9.3.1.1) Facility reference number

Select from:

- Facility 82

### (9.3.1.2) Facility name (optional)

ST126

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.711343

**(9.3.1.9) Longitude**

100.611293

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

8.52

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

8.52

**(9.3.1.21) Total water discharges at this facility (megaliters)**

6.81

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

6.81

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.7

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 83**

**(9.3.1.1) Facility reference number**

Select from:

Facility 83

**(9.3.1.2) Facility name (optional)**

ST127

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.682318

#### (9.3.1.9) Longitude

100.491331

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

10.89

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

10.89

**(9.3.1.21) Total water discharges at this facility (megaliters)**

8.71

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

8.71

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.18

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 84**

**(9.3.1.1) Facility reference number**

Select from:

Facility 84

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

### (9.3.1.8) Latitude

13.9875

### (9.3.1.9) Longitude

101.761392

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

30.92

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

30.92

**(9.3.1.21) Total water discharges at this facility (megaliters)**

18.14

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

18.14

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

12.78

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**



same as Row 1

## Row 85

### (9.3.1.1) Facility reference number

Select from:

- Facility 85

### (9.3.1.2) Facility name (optional)

ST129

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.722807

**(9.3.1.9) Longitude**

100.728068

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

19.75

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

19.75

**(9.3.1.21) Total water discharges at this facility (megaliters)**

15.8

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

15.8

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.95

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 86**

**(9.3.1.1) Facility reference number**

Select from:

Facility 86

**(9.3.1.2) Facility name (optional)**

ST130

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.963553

#### (9.3.1.9) Longitude

100.642525

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

4.34

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

4.34

**(9.3.1.21) Total water discharges at this facility (megaliters)**

3.47

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

3.47

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.87

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 87**

**(9.3.1.1) Facility reference number**

Select from:

Facility 87

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.031921

### (9.3.1.9) Longitude

101.097865

### (9.3.1.10) Located in area with water stress



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

15.18

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

15.18

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.14

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

12.14

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.04

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 88

### (9.3.1.1) Facility reference number

Select from:

Facility 88

### (9.3.1.2) Facility name (optional)

ST132

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

12.700202

**(9.3.1.9) Longitude**

100.889676

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

14.33

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

14.33

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.46

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

11.46

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.87

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 89**

**(9.3.1.1) Facility reference number**

Select from:

Facility 89

**(9.3.1.2) Facility name (optional)**

ST133

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.754104

#### (9.3.1.9) Longitude

100.625101

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

15.42

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

15.42

**(9.3.1.21) Total water discharges at this facility (megaliters)**

12.34

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**



12.34

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

3.08

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 90**

**(9.3.1.1) Facility reference number**

Select from:

Facility 90

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

### (9.3.1.8) Latitude

13.408986

### (9.3.1.9) Longitude

101.045149

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

8.91

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

8.91

**(9.3.1.21) Total water discharges at this facility (megaliters)**

7.13

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

7.13

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.78

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 91

### (9.3.1.1) Facility reference number

Select from:

Facility 91

### (9.3.1.2) Facility name (optional)

ST135

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.696366

**(9.3.1.9) Longitude**

100.495837

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

7.7

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

7.7

**(9.3.1.21) Total water discharges at this facility (megaliters)**

6.16

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

6.16

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.54

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 92**

**(9.3.1.1) Facility reference number**

Select from:

Facility 92

**(9.3.1.2) Facility name (optional)**

ST136

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mekong

#### (9.3.1.8) Latitude

16.428884

#### (9.3.1.9) Longitude

102.871095

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

13.18

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.18

**(9.3.1.21) Total water discharges at this facility (megaliters)**

10.54

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

10.54

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.64

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 93**

**(9.3.1.1) Facility reference number**

Select from:

Facility 93

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.920931

### (9.3.1.9) Longitude

100.682979

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

9.31

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

9.31

**(9.3.1.21) Total water discharges at this facility (megaliters)**

7.45

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

7.45

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.86

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 94

### (9.3.1.1) Facility reference number

Select from:

- Facility 94

### (9.3.1.2) Facility name (optional)

ST138

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.769798

**(9.3.1.9) Longitude**

100.589245

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

12.11

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

12.11

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.69

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.69

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.42

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 95**

**(9.3.1.1) Facility reference number**

Select from:

Facility 95

**(9.3.1.2) Facility name (optional)**

ST139

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.731604

#### (9.3.1.9) Longitude

100.564836

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

6.16

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

6.16

**(9.3.1.21) Total water discharges at this facility (megaliters)**

4.93

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

4.93

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.23

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 96**

**(9.3.1.1) Facility reference number**

Select from:

Facility 96

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.707376

### (9.3.1.9) Longitude

100.522066

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

6.39

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

6.39

**(9.3.1.21) Total water discharges at this facility (megaliters)**

5.11

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

5.11

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.28

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**



same as Row 1

## Row 97

### (9.3.1.1) Facility reference number

Select from:

Facility 97

### (9.3.1.2) Facility name (optional)

ST141

### (9.3.1.3) Value chain stage

Select from:

Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

Dependencies

Impacts

Risks

Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.932736

**(9.3.1.9) Longitude**

100.656145

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

11.57

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

11.57

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.25

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

9.25

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.31

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 98**

**(9.3.1.1) Facility reference number**

Select from:

Facility 98

**(9.3.1.2) Facility name (optional)**

ST142

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.583617

#### (9.3.1.9) Longitude

100.619619

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

6.43

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

6.43

**(9.3.1.21) Total water discharges at this facility (megaliters)**

5.14

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

5.14

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.29

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 99**

**(9.3.1.1) Facility reference number**

Select from:

Facility 99

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.809309

### (9.3.1.9) Longitude

100.618065

### (9.3.1.10) Located in area with water stress



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

20.29

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

20.29

**(9.3.1.21) Total water discharges at this facility (megaliters)**

16.23

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

16.23

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

4.06

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 100

### (9.3.1.1) Facility reference number

Select from:

- Facility 100

### (9.3.1.2) Facility name (optional)

ST144

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.991604

**(9.3.1.9) Longitude**

100.686379

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

7.7

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

7.7

**(9.3.1.21) Total water discharges at this facility (megaliters)**

6.16

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

6.16

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.54

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 101**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

ST145

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.855859

#### (9.3.1.9) Longitude

100.545683

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

3.89

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

3.89

**(9.3.1.21) Total water discharges at this facility (megaliters)**

3.11

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**



3.11

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.78

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 102**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

17.614385

### (9.3.1.9) Longitude

100.088237

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

23.95

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

23.95

**(9.3.1.21) Total water discharges at this facility (megaliters)**

19.16

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

19.16

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

4.79

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 103

### (9.3.1.1) Facility reference number

Select from:

- Facility 100

### (9.3.1.2) Facility name (optional)

ST147

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.913947

**(9.3.1.9) Longitude**

100.542898

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

6.99

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

6.99

**(9.3.1.21) Total water discharges at this facility (megaliters)**

5.59

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

5.59

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.4

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

**Row 104**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

ST148

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.860241

#### (9.3.1.9) Longitude

100.701153

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

9.21

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

9.21

**(9.3.1.21) Total water discharges at this facility (megaliters)**

7.37

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

7.37

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.84

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

**Row 105**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.704116

### (9.3.1.9) Longitude

100.316583

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

13.81

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

13.81

**(9.3.1.21) Total water discharges at this facility (megaliters)**

11.05

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

11.05

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.76

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

## Row 106

### (9.3.1.1) Facility reference number

Select from:

- Facility 100

### (9.3.1.2) Facility name (optional)

ST150

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.881536

**(9.3.1.9) Longitude**

100.211934

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

10.41

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**



0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

10.41

**(9.3.1.21) Total water discharges at this facility (megaliters)**

8.33

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

8.33

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.08

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

**Row 107**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

ST151

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.8701

#### (9.3.1.9) Longitude

100.135454

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

12.11

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

12.11

**(9.3.1.21) Total water discharges at this facility (megaliters)**

9.69

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

9.69

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

2.42

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

**Row 108**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Mae Klong

### (9.3.1.8) Latitude

13.404886

### (9.3.1.9) Longitude

99.717441

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

6.5

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

6.5

**(9.3.1.21) Total water discharges at this facility (megaliters)**

5.2

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

5.2

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

1.3

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**



same as Row 1

## Row 109

### (9.3.1.1) Facility reference number

Select from:

- Facility 100

### (9.3.1.2) Facility name (optional)

ST154

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Other, please specify : Bang Pakong

**(9.3.1.8) Latitude**

14.056726

**(9.3.1.9) Longitude**

101.095952

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

3.94

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

3.94

**(9.3.1.21) Total water discharges at this facility (megaliters)**

3.15

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

3.15

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.79

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

**Row 110**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

ST301

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.716857

#### (9.3.1.9) Longitude

100.570974

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

1.14

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

1.14

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.92

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

0.92

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.23

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 111**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.731713

### (9.3.1.9) Longitude

100.581337

### (9.3.1.10) Located in area with water stress



Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

3.84

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

3.84

**(9.3.1.21) Total water discharges at this facility (megaliters)**

3.07

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

3.07

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.77

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

## Row 112

### (9.3.1.1) Facility reference number

Select from:

- Facility 100

### (9.3.1.2) Facility name (optional)

ST303

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

18.794953

**(9.3.1.9) Longitude**

98.970902

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

4.34

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

4.34

**(9.3.1.21) Total water discharges at this facility (megaliters)**

3.47

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

3.47

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.87

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

**Row 113**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

ST350

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies

- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

#### (9.3.1.8) Latitude

13.856583

#### (9.3.1.9) Longitude

100.629269

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

1

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

1

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.8

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**



0.8

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.2

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

**Row 114**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

- Chao Phraya

### (9.3.1.8) Latitude

13.564185

### (9.3.1.9) Longitude

100.692755

### (9.3.1.10) Located in area with water stress

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

1.51

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

Higher

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

1.51

**(9.3.1.21) Total water discharges at this facility (megaliters)**

1.21

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Higher

**(9.3.1.23) Discharges to fresh surface water**

1.21

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.3

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Higher

**(9.3.1.29) Please explain**

same as Row 1

## Row 115

### (9.3.1.1) Facility reference number

Select from:

- Facility 100

### (9.3.1.2) Facility name (optional)

ST352

### (9.3.1.3) Value chain stage

Select from:

- Direct operations

### (9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

### (9.3.1.7) Country/Area & River basin

**Thailand**

Chao Phraya

**(9.3.1.8) Latitude**

13.723578

**(9.3.1.9) Longitude**

100.658694

**(9.3.1.10) Located in area with water stress**

Select from:

Yes

**(9.3.1.13) Total water withdrawals at this facility (megaliters)**

2.58

**(9.3.1.14) Comparison of total withdrawals with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

2.58

**(9.3.1.21) Total water discharges at this facility (megaliters)**

2.07

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.23) Discharges to fresh surface water**

2.07

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.52

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

This is our first year of measurement

**(9.3.1.29) Please explain**

same as Row 1

**Row 116**

**(9.3.1.1) Facility reference number**

Select from:

Facility 100

**(9.3.1.2) Facility name (optional)**

ST500

**(9.3.1.3) Value chain stage**

Select from:

Direct operations

**(9.3.1.4) Dependencies, impacts, risks, and/or opportunities identified at this facility**

Select all that apply

Dependencies



- Impacts
- Risks
- Opportunities

#### (9.3.1.5) Withdrawals or discharges in the reporting year

Select from:

- Yes, withdrawals and discharges

#### (9.3.1.7) Country/Area & River basin

**Thailand**

- Other, please specify : Bang Pakong

#### (9.3.1.8) Latitude

12.969783

#### (9.3.1.9) Longitude

100.907513

#### (9.3.1.10) Located in area with water stress

Select from:

- Yes

#### (9.3.1.13) Total water withdrawals at this facility (megaliters)

0.06

#### (9.3.1.14) Comparison of total withdrawals with previous reporting year

Select from:

Lower

**(9.3.1.15) Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**(9.3.1.16) Withdrawals from brackish surface water/seawater**

0

**(9.3.1.17) Withdrawals from groundwater - renewable**

0

**(9.3.1.18) Withdrawals from groundwater - non-renewable**

0

**(9.3.1.19) Withdrawals from produced/entrained water**

0

**(9.3.1.20) Withdrawals from third party sources**

0.06

**(9.3.1.21) Total water discharges at this facility (megaliters)**

0.05

**(9.3.1.22) Comparison of total discharges with previous reporting year**

Select from:

Lower

**(9.3.1.23) Discharges to fresh surface water**

0.05

**(9.3.1.24) Discharges to brackish surface water/seawater**

0

**(9.3.1.25) Discharges to groundwater**

0

**(9.3.1.26) Discharges to third party destinations**

0

**(9.3.1.27) Total water consumption at this facility (megaliters)**

0.01

**(9.3.1.28) Comparison of total consumption with previous reporting year**

Select from:

Lower

**(9.3.1.29) Please explain**

same as Row 1

[Add row]

**(9.3.2) For the facilities in your direct operations referenced in 9.3.1, what proportion of water accounting data has been third party verified?**

**Water withdrawals – total volumes**

**(9.3.2.1) % verified**

Select from:

76-100

### (9.3.2.2) Verification standard used

*3rd party audit based on GRI*

## Water withdrawals – volume by source

### (9.3.2.1) % verified

Select from:

76-100

### (9.3.2.2) Verification standard used

*3rd party audit based on GRI*

## Water withdrawals – quality by standard water quality parameters

### (9.3.2.1) % verified

Select from:

76-100

### (9.3.2.2) Verification standard used

*3rd party laboratory*

## Water discharges – total volumes

### (9.3.2.1) % verified

Select from:

76-100

### (9.3.2.2) Verification standard used

*3rd party audit based on GRI*

### Water discharges – volume by destination

#### (9.3.2.1) % verified

*Select from:*

76-100

### (9.3.2.2) Verification standard used

*3rd party audit based on GRI*

### Water discharges – volume by final treatment level

#### (9.3.2.1) % verified

*Select from:*

76-100

### (9.3.2.2) Verification standard used

*3rd party audit based on GRI*

### Water discharges – quality by standard water quality parameters

#### (9.3.2.1) % verified

*Select from:*

76-100

### (9.3.2.2) Verification standard used

3rd party laboratory

## Water consumption – total volume

### (9.3.2.1) % verified

Select from:

76-100

### (9.3.2.2) Verification standard used

3rd party audit based on GRI

[Fixed row]

## (9.5) Provide a figure for your organization's total water withdrawal efficiency.

	Revenue (currency)	Total water withdrawal efficiency	Anticipated forward trend
	489949000000	38977645186.95	the trend of water intensity is higher as the result of acquired Lotus's Thailand which retail stores are much higher water intensity.

[Fixed row]

## (9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?

	Products contain hazardous substances	Comment
	Select from: <input checked="" type="checkbox"/> No	<i>According to Thailand's Hazardous Substance Act  <a href="https://thailand.acclime.com/guides/hazardous-substance-regulations/">https://thailand.acclime.com/guides/hazardous-substance-regulations/</a></i>

[Fixed row]

**(9.14) Do you classify any of your current products and/or services as low water impact?**

	Products and/or services classified as low water impact	Primary reason for not classifying any of your current products and/or services as low water impact	Please explain
	Select from: <input checked="" type="checkbox"/> No, but we plan to address this within the next two years	Select from: <input checked="" type="checkbox"/> Lack of internal resources	<i>as the present condition that require to development for the knowledge and database.</i>

[Fixed row]

**(9.15) Do you have any water-related targets?**

Select from:

Yes

**(9.15.1) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.**

	Target set in this category
Water pollution	Select from: <input checked="" type="checkbox"/> Yes
Water withdrawals	Select from: <input checked="" type="checkbox"/> Yes
Water, Sanitation, and Hygiene (WASH) services	Select from: <input checked="" type="checkbox"/> Yes
Other	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

## (9.15.2) Provide details of your water-related targets and the progress made.

### Row 1

#### (9.15.2.1) Target reference number

Select from:

Target 1

#### (9.15.2.2) Target coverage

Select from:

Organization-wide (including suppliers)

#### (9.15.2.3) Category of target & Quantitative metric



## Water withdrawals

Reduction in total water withdrawals

### (9.15.2.4) Date target was set

08/31/2020

### (9.15.2.5) End date of base year

12/30/2020

### (9.15.2.6) Base year figure

9441330000

### (9.15.2.7) End date of target year

09/27/2030

### (9.15.2.8) Target year figure

755306400

### (9.15.2.9) Reporting year figure

12572970000

### (9.15.2.10) Target status in reporting year

Select from:

Underway

### (9.15.2.11) % of target achieved relative to base year

### (9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target

Select all that apply

Sustainable Development Goal 6

### (9.15.2.13) Explain target coverage and identify any exclusions

20% water consumption reduction within 2030 compared baseline 2020 covers all own operation in Thailand and other country.

### (9.15.2.14) Plan for achieving target, and progress made to the end of the reporting year

"Save Water, for Future Water Conservation" Project Continue the Save Water, Save Future project since 2018. To reduce water consumption. by returning the treated effluent to reuse in the green area, and cleaning the waste house or loading area. This project can reduce the amount of water used and recirculate water to improve resource efficiency and reduce operation costs in 2023, the 72 stores participated in the project.

### (9.15.2.16) Further details of target

the scope covers all own operation facilities i.e every format store, distribution centers, and head office building.

## Row 2

### (9.15.2.1) Target reference number

Select from:

Target 2

### (9.15.2.2) Target coverage

Select from:

Organization-wide (including suppliers)

### (9.15.2.3) Category of target & Quantitative metric

#### Monitoring of water use

Other monitoring water use, please specify :Increase % survey and engage of critical tier 1 suppliers for water risk

**(9.15.2.4) Date target was set**

02/13/2022

**(9.15.2.5) End date of base year**

12/30/2022

**(9.15.2.6) Base year figure**

43

**(9.15.2.7) End date of target year**

12/30/2023

**(9.15.2.8) Target year figure**

100

**(9.15.2.9) Reporting year figure**

100

**(9.15.2.10) Target status in reporting year**

Select from:

Achieved and maintained

**(9.15.2.12) Global environmental treaties/initiatives/ frameworks aligned with or supported by this target**

Select all that apply

Sustainable Development Goal 6

### **(9.15.2.13) Explain target coverage and identify any exclusions**

*100% survey the water risk and engage water management to critical tier 1 supplier within 2023*

### **(9.15.2.15) Actions which contributed most to achieving or maintaining this target**

*Annual survey and engagement program to ensure water risk suppliers are identified, monitor supplier wastewater effluent control and engage them to ensure that have water conservation program in place.*

### **(9.15.2.16) Further details of target**

*In 2024, the program focus the new target to increase conservation program in all tier 1 supplier instead. (2023 status 33%, target to be 100% in 2025)  
[Add row]*

## C10. Environmental performance - Plastics

### (10.1) Do you have plastics-related targets, and if so what type?

#### (10.1.1) Targets in place

Select from:

Yes

#### (10.1.2) Target type and metric

##### Plastic goods/products

Increase the proportion of our goods/products that are recyclable in practice and at scale

##### End-of-life management

Reduce the proportion of plastic waste which is sent to landfill and/or incinerated

#### (10.1.3) Please explain

*100% plastic packaging product and utilized in operation are recyclable and zero plastic waste to landfill, within 2030.*

*[Fixed row]*

### (10.2) Indicate whether your organization engages in the following activities.

#### Production/commercialization of plastic polymers (including plastic converters)

#### (10.2.1) Activity applies

Select from:

No

### (10.2.2) Comment

*no production or trading any plastic polymer or plastic converter.*

## Production/commercialization of durable plastic goods and/or components (including mixed materials)

### (10.2.1) Activity applies

Select from:

Yes

### (10.2.2) Comment

*household plastic i.e tables, chairs, storage boxes*

## Usage of durable plastics goods and/or components (including mixed materials)

### (10.2.1) Activity applies

Select from:

Yes

### (10.2.2) Comment

*pallets, product delivery boxes*

## Production/commercialization of plastic packaging

### (10.2.1) Activity applies

Select from:

Yes

## (10.2.2) Comment

*trading the food and beverage delivery for street food and cafe.*

## Production/commercialization of goods/products packaged in plastics

### (10.2.1) Activity applies

Select from:

Yes

## (10.2.2) Comment

*packed product as beverage i.e soft drink, drinking water and snack. and non food product in plastic bottle i.e detergent, fabric softener, shampoo, liquid soap etc.*

## Provision/commercialization of services that use plastic packaging (e.g., food services)

### (10.2.1) Activity applies

Select from:

Yes

## (10.2.2) Comment

*bakery, fruit, slide meat in plastic tray.*

## Provision of waste management and/or water management services

### (10.2.1) Activity applies

Select from:

No

## (10.2.2) Comment

*not relevant to business*

## **Provision of financial products and/or services for plastics-related activities**

### **(10.2.1) Activity applies**

Select from:

No

### **(10.2.2) Comment**

*not relevant to business*

## **Other activities not specified**

### **(10.2.1) Activity applies**

Select from:

No

### **(10.2.2) Comment**

*not relevant to business*

*[Fixed row]*

**(10.4) Provide the total weight of plastic durable goods and durable components produced, sold and/or used, and indicate the raw material content.**

## **Durable goods and durable components sold**

### **(10.4.1) Total weight during the reporting year (Metric tons)**

1796.85



#### (10.4.2) Raw material content percentages available to report

Select all that apply

None

#### (10.4.7) Please explain

*calculating the weighted average of all plastic durable goods and durable components sold.*

#### Durable goods and durable components used

#### (10.4.1) Total weight during the reporting year (Metric tons)

532

#### (10.4.2) Raw material content percentages available to report

Select all that apply

None

#### (10.4.7) Please explain

*based on the plastic waste furniture that expire and sent to external recycling process. the figure are verified by 3rd party as disclosure at 2023 annual report (56-1 one report) page 390.*

*[Fixed row]*

#### (10.5) Provide the total weight of plastic packaging sold and/or used and indicate the raw material content.

	Total weight during the reporting year (Metric tons)	Raw material content percentages available to report	Please explain
Plastic packaging sold	6887.26	Select all that apply <input checked="" type="checkbox"/> None	presently the information is inadequate.
Plastic packaging used	16411.28	Select all that apply <input checked="" type="checkbox"/> None	presently the information is inadequate.

[Fixed row]

### (10.5.1) Indicate the circularity potential of the plastic packaging you sold and/or used.

#### Plastic packaging sold

##### (10.5.1.1) Percentages available to report for circularity potential

Select all that apply

% technically recyclable

##### (10.5.1.3) % of plastic packaging that is technically recyclable

100

##### (10.5.1.5) Please explain

all product has controlled by QA process to ensure all packaging specification must be recyclable material.

#### Plastic packaging used

##### (10.5.1.1) Percentages available to report for circularity potential

Select all that apply

% recyclable in practice and at scale

#### (10.5.1.4) % of plastic packaging that is recyclable in practice at scale

3.2

#### (10.5.1.5) Please explain

*532 tons of total used plastic 16,411.28 tons*

*[Fixed row]*

## C11. Environmental performance - Biodiversity

### (11.2) What actions has your organization taken in the reporting year to progress your biodiversity-related commitments?

#### (11.2.1) Actions taken in the reporting period to progress your biodiversity-related commitments

Select from:

- Yes, we are taking actions to progress our biodiversity-related commitments

#### (11.2.2) Type of action taken to progress biodiversity- related commitments

Select all that apply

- Land/water protection
- Land/water management
- Species management
- Education & awareness

[Fixed row]

### (11.3) Does your organization use biodiversity indicators to monitor performance across its activities?

	Does your organization use indicators to monitor biodiversity performance?	Indicators used to monitor biodiversity performance
	Select from: <input checked="" type="checkbox"/> Yes, we use indicators	Select all that apply <input checked="" type="checkbox"/> Response indicators

[Fixed row]

## (11.4) Does your organization have activities located in or near to areas important for biodiversity in the reporting year?

### Legally protected areas

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

### (11.4.2) Comment

*Refer to framework and methodologies from TNFD and analytical tools from IBAT and WWF Biodiversity Risk Filter to assess biodiversity risk location. Including review, the latest nature and biodiversity-related policies and regulations i.e UNESCO World Heritage, and IUCN., market trends and historical hazard events. The location specific approach are applied for assessment are own operation, adjacent areas to own operations (0-5 kms), upstream and downstream activities with Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter. Also reviewed the risks and opportunities reported by its peers to identify and shortlist and opportunity drivers potentially most relevant to The company's business and operation.*

### UNESCO World Heritage sites

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

### (11.4.2) Comment

*Refer to UNESCO World Heritage, and IUCN. Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter.*

### UNESCO Man and the Biosphere Reserves

**(11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity**

Select from:

No

### (11.4.2) Comment

Refer to UNESCO World Heritage, and IUCN. Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter.

### Ramsar sites

### (11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

No

### (11.4.2) Comment

Refer to UNESCO World Heritage, and IUCN. Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter.

### Key Biodiversity Areas

### (11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

Yes

### (11.4.2) Comment

Refer to UIntegrated Biodiversity Assessment Tool (IBAT). there are 2 stores located in community but nearby the Ao nang beach national park. see more detail in TNFD report at <https://www.cpaxtra.com/storage/document/tnfd-reports/2024/tnfd-report-en.pdf>

### Other areas important for biodiversity

### (11.4.1) Indicate whether any of your organization's activities are located in or near to this type of area important for biodiversity

Select from:

No

### (11.4.2) Comment

Refer to UNESCO World Heritage, and IUCN. Integrated Biodiversity Assessment Tool (IBAT) and WWF Biodiversity Risk Filter.

[Fixed row]

### (11.4.1) Provide details of your organization's activities in the reporting year located in or near to areas important for biodiversity.

#### Row 1

#### (11.4.1.2) Types of area important for biodiversity

Select all that apply

Key Biodiversity Areas

#### (11.4.1.4) Country/area

Select from:

Thailand

#### (11.4.1.5) Name of the area important for biodiversity

Ao Nang beach, Kabri Province

#### (11.4.1.6) Proximity

Select from:

- Adjacent

#### **(11.4.1.8) Briefly describe your organization's activities in the reporting year located in or near to the selected area**

*1 supermarket and 1 small food service store are located on the highway road in community but with 2.7 km.*

#### **(11.4.1.9) Indicate whether any of your organization's activities located in or near to the selected area could negatively affect biodiversity**

*Select from:*

- Yes, but mitigation measures have been implemented

#### **(11.4.1.10) Mitigation measures implemented within the selected area**

*Select all that apply*

- Site selection
- Project design
- Scheduling
- Physical controls
- Operational controls

#### **(11.4.1.11) Explain how your organization's activities located in or near to the selected area could negatively affect biodiversity, how this was assessed, and describe any mitigation measures implemented**

*the stores purpose to serve the food and daily household products to the community and tourist. the stores are located in the downtown nearby Ao nang (Google map at food service store at 8.042153841203035, 98.84055610047524 and supermarket at 8.040613559291765, 98.83562802104566). With the legal operation permit from the government and local authority which has routine annual onsite inspection. The store is smallest format with 0.08 and 0.01 Hectre in accordingly or 0.035% of to 285.90 total operational area. or 2 stores of 2,465 stores, The waste has properly segregated and disposed everyday. Control all potential nuisance i.e dust, waste, wastewater, traffic or noise. The wastewater aerobic treatment plant are continuously operating at store and measurement to mitigate the environmental impact. The stores never had any compliant or breach case since the opening.*

*[Add row]*



## C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

### Row 1

#### (13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

- Climate change
- Water
- Plastics

#### (13.1.1.2) Disclosure module and data verified and/or assured

##### Introduction

- All data points in module 1

### (13.1.1.3) Verification/assurance standard

#### General standards

- AA1000AS

#### Water-related standards

- Other water verification standard, please specify :GRI

#### Climate change-related standards

- Thai Greenhouse Gas Management Organization (TGO)
- Other climate change verification standard, please specify :GRI

#### Plastics-related standards

- Other plastics verification standard, please specify :GRI

### (13.1.1.4) Further details of the third-party verification/assurance process

*LRQA (Thailand) Limited provide the independent assurance for CP Aextra Sustainability report 2023 cover double materiality assessment, responsiveness and impact. The code of conduct and breach reporting and integrity of CP Aextra's supplier ESG assessment and assessment process. Evaluating the data and information with indicator as GRI 302-1 Energy consumption, GRI 305-1 GHG Scope 1, GRI 305-2 GHG Scope 2, GRI 305-3 GHG scope 3 (purchasing goods and services, upstream, downstream, transportation, distribution, business travel, employee commuting and downstream leased), GRI 305-4 GHG emissions intensity, GRI 303-3 to 5 water withdrawal, discharge and consumption, GRI 306-3 to 5 Waste generated / diverted from disposal and direct to disposal adn food lss & waste. Also social aspect as GRI 2-6 Activities, Value chain and other business relationships, GRI 308-2 negative impacts to supply chain and action taken, GRI 403-9 to 10 Work-related injuries and ill health, GRI 414-2 Negative social impact in supply chain and action taken.*

### (13.1.1.5) Attach verification/assurance evidence/report (optional)

*third-party-assurance-letter (1).pdf*

[Add row]

**(13.2) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.**

	Additional information	Attachment (optional)
	<i>CPAextra's revelant policy and certificate</i>	<i>Relevant Policy and Certificates.pdf</i>

[Fixed row]

**(13.3) Provide the following information for the person that has signed off (approved) your CDP response.**

### (13.3.1) Job title

*Sustainability Associated Director*

### (13.3.2) Corresponding job category

Select from:

Other, please specify

[Fixed row]

**(13.4) Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.**

Select from:

Yes, CDP may share our Disclosure Submission Lead contact details with the Pacific Institute

