

Welcome to your CDP Water Security Questionnaire 2023

W0. Introduction

W0.1

(W0.1) Give a general description of and introduction to your organization.

Hankook Tire & Technology Co., Ltd. is Korea's first tire manufacturer, growing together with Korea's tire industry. It is the No. 1 tire company in Korea that currently sells the largest number of automobile tires in the region.

Moreover, with four regional headquarters, thirty sales branches, five R&D centers and eight production sites around the world, the company sells its products in over 180 countries, ranking world's 7th-largest tire manufacturer in terms of sales(in 2022). It is a global company with more than 80% of its total sales in overseas markets.

Hankook Tire & Technology, loved by its customers for its exceptional quality and customer satisfaction, will continue to develop an environmentally-friendly technology and carry out diverse activities that can contribute to the local community, to share and give back the love from the customers and continue to achieve healthy and sustainable growth.

[Ref. 1] Our official corporate name was changed to further enhance our technology-based innovation to reach out to our customer from May 8, 2019. (from "Hankook Tire Co., Ltd." to "Hankook Tire & Technology Co., Ltd.") However, we use both the previous and current names to maintain brand value.

[Ref. 2] Tennessee Plant was newly included in the organizational boundaries since 2018.

W0.2

(W0.2) State the start and end date of the year for which you are reporting data.

	Start date	End date
Reporting year	January 1, 2022	December 31, 2022

W0.3

(W0.3) Select the countries/areas in which you operate.

- China
- Hungary
- Indonesia
- Republic of Korea

United States of America

W0.4

(W0.4) Select the currency used for all financial information disclosed throughout your response.

KRW

W0.5

(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.

Companies, entities or groups over which operational control is exercised

W0.6

(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?

Yes

W0.6a

(W0.6a) Please report the exclusions.

Exclusion	Please explain
Distribution Centers	Our company has not yet implemented a system to track the water impact in the distribution centers. We expect this to be a small fraction of our total water consumption and little exposure to water risk.
Offices	Our company has not yet implemented a system to track the water impact in the offices except for headquarter in Korea. We expect this to be a small fraction of our total water consumption and little exposure to water risk. - 2022 Water intake of HQ in Korea : 20,192 m ³ (0.3% of total production plant water usage)
R&D Centers	Our company has not yet implemented a system to track the water impact in the R&D Center except for that in Korea. We expect this to be a small fraction of our total water consumption and little exposure to water risk. - 2022 Water intake of R&D center in Korea : 97,740 m ³ (1.6% of total production plant water usage)

W0.7

(W0.7) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?

Indicate whether you are able to provide a unique identifier for your organization.	Provide your unique identifier
Yes, an ISIN code	KR7161390000

W1. Current state

W1.1

(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Not very important	Not very important	Tires do not use water as a raw material, but water is used to reduce pollutant emissions in the manufacturing process, cool products, and supply heat (steam) necessary for the process. At this time, freshwater is not used directly for production.
Sufficient amounts of recycled, brackish and/or produced water available for use	Neutral	Neutral	Tires do not use water as a raw material, but water is used to reduce pollutant emissions in the manufacturing process, cool products, and supply heat (steam) necessary for the process. Recycled water and produced water are mainly used directly for production. And the materiality evaluation was based on the amount of usage, and since the quantity is not large, the materiality evaluation result was listed as 'Neutral'. We use water average below 3,000 m ³ /day each plant. In indirect use, some raw materials may require sufficient amount of water.

W1.2

(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

	% of sites/facilities/operations	Frequency of measurement	Method of measurement	Please explain
Water withdrawals – total volumes	100%	Daily	Collect and monitor the amount of water intake by water intake source at global business sites using a flow	As a major environmental indicator we set long-term and short-term target for reduction.

			meter and excel sheet.	
Water withdrawals – volumes by source	100%	Daily	Collect and monitor the amount of water intake by water intake source at global business sites using a flow meter and excel sheet.	Most of the usage is produced water.
Water withdrawals quality	100%	Daily	Water quality may be affected when used as a product cooling, so water quality is being measured in our own laboratory simplify.	Salinity measurement
Water discharges – total volumes	100%	Daily	Collect and monitor the amount of wastewater discharge at global business sites using a flow meter and excel sheet.	As a major environmental indicator, we set long-term and short-term target for reduction.
Water discharges – volumes by destination	100%	Yearly	Check through surveys of the person in charge. It is not something that changes often.	Most of the waste water is discharged to the waste treatment plant.
Water discharges – volumes by treatment method	100%	Yearly	Check through surveys of the person in charge. It is not something that changes often.	Most use physicochemical treatment method.
Water discharge quality – by	100%	Monthly	Collect and monitor the water quality	Water discharge quality is

standard effluent parameters			using tele-monitoring system, third party measurement results.	managed below the legal limit.
Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)	100%	Monthly	Collect and monitor the water quality using tele-monitoring system, third party measurement results.	Major issues are shared on a quarterly basis through the Environmental Safety and Health Council.
Water discharge quality – temperature	Not monitored			According to the relevant laws, temperature is not subject to measurement, and there are no plans to measure it in the future.
Water consumption – total volume	100%	Daily	Collect and monitor the amount of water intake by water intake source and recycling volume at global business sites using a water meter and excel sheet.	Major issues are shared on a quarterly basis through the Environmental Safety and Health Council.
Water recycled/reused	100%	Monthly	Collect and monitor the amount of water intake by water intake source and recycling volume at global business sites using a water	As a major environmental indicator we set long-term and short-term target for reduction.

			flow and excel sheet.	
The provision of fully-functioning, safely managed WASH services to all workers	100%	Yearly	Check through surveys of the some work ers.	We provide water properly for the safety and hygiene of workers.

W1.2b

(W1.2b) 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?

	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Please explain
Total withdrawals	5,980	Lower	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	The amount of water intake decreased despite the slight increase in production in 2022. This is due to increase in the water recycling.
Total discharges	1,720	About the same	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	Almost same compared to 2021.
Total consumption	4,260	Lower	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	Increased waste water recycling had an

							effect on decreased total withdrawals and discharges.
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W1.2d

(W1.2d) Indicate whether water is withdrawn from areas with water stress, provide the proportion, how it compares with the previous reporting year, and how it is forecasted to change.

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Five-year forecast	Primary reason for forecast	Identification tool	Please explain
Row 1	Yes	51-75	Lower	Increase/decrease in efficiency	Lower	Increase/decrease in efficiency	WRI Aqueduct	For water stress evaluation, WRI Aqueduct and WWF Water Risk Filter were used. The results reported in the questionnaire are WRI Aqueduct results. Of the total eight plants, Two in Korea and One in

								China are located in a high water stress area.
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W1.2h

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Not relevant				Only groundwater and produced water are used for tire production.
Brackish surface water/Seawater	Not relevant				Only groundwater and produced water are used for tire production.
Groundwater – renewable	Relevant	171	Lower	Increase/decrease in business activity	Some factories use groundwater for tire production.
Groundwater – non-renewable	Not relevant				Only renewable groundwater is used for tire production.
Produced/Entrained water	Relevant	5,809	Lower	Increase/decrease in efficiency	Produced water is used for tire production.

Third party sources	Not relevant				
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W1.2i

(W1.2i) Provide total water discharge data by destination.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Primary reason for comparison with previous reporting year	Please explain
Fresh surface water	Relevant	317	Higher	Increase/decrease in efficiency	Increased discharge by decreasing the amount of recycled water at Guemsan Plant.
Brackish surface water/seawater	Not relevant				The tire production plant is located in the inland region, it cannot be discharged.
Groundwater	Not relevant				Water used in tire production is not discharged underground.
Third-party destinations	Relevant	1,404	Lower	Increase/decrease in efficiency	Decreased discharge by decreasing the water intake and increasing the amount of recycled water. Except Guemsan Plant, the waste water is transferred to public treatment facilities after the primary treatment at the

					wastewater treatment plant in the factory.
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W1.2j

(W1.2j) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

	Relevance of treatment level to discharge	Volume (megaliters/year)	Comparison of treated volume with previous reporting year	Primary reason for comparison with previous reporting year	% of your sites/facilities/operations this volume applies to	Please explain
Tertiary treatment	Not relevant					There is no plant where wastewater is discharged after Tertiary treatment.
Secondary treatment	Relevant	1,615	About the same	Increase/decrease in business activity	91-99	The factory is equipped with our own wastewater treatment facility and discharges wastewater after physicochemical treatment.
Primary treatment only	Relevant	33	About the same	Increase/decrease in efficiency	1-10	It is discharged after primary treatment and complies with regulations.

Discharge to the natural environment without treatment	Not relevant					The water used in the tire production process is discharged after being purified through a wastewater treatment process.
Discharge to a third party without treatment	Relevant	73	Lower	Increase/decrease in efficiency	1-10	There is no wastewater treatment facility, and the treatment is entrusted to a third party.
Other	Not relevant					Not relevant

W1.2k

(W1.2k) 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 tonnes)	Category(ies) of substances included	Please explain
Row 1	0	Nitrates Phosphates	T-P & T-N : 4 ton/year in Daejeon Plant and Guemsan Plant

W1.3

(W1.3) Provide a figure for your organization’s total water withdrawal efficiency.

	Revenue	Total water withdrawal volume (megaliters)	Total water withdrawal efficiency	Anticipated forward trend
Row 1	8,394,200,000,000	5,980	1,403,712,374.58194	Each plant continues to make efforts to reduce water intake, and withdrawal efficiency no longer

				follows the amount of production trend. The wastewater recycling rate is 53%, and some factories recycle at 92%. In the future, there is still a possibility of reduction in factories with low recycling rates, so the index is expected to improve little by little.
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W1.4

(W1.4) Do any of your products contain substances classified as hazardous by a regulatory authority?

Products contain hazardous substances	
Row 1	Yes

W1.4a

(W1.4a) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?

Regulatory classification of hazardous substances	% of revenue associated with products containing substances in this list	Please explain
Other, please specify REACH Candidates, California props 65, CMRs, IARC, etc.	More than 80%	Most of hazardous substances are essential for the functioning of the product, but we are trying to reduce usage gradually and developing alternative materials.

W1.5

(W1.5) Do you engage with your value chain on water-related issues?

	Engagement
Suppliers	Yes
Other value chain partners (e.g., customers)	Yes

W1.5a

(W1.5a) Do you assess your suppliers according to their impact on water security?

Row 1

Assessment of supplier impact

Yes, we assess the impact of our suppliers

Considered in assessment

Supplier impacts on water quality

Other, please specify

Supplier have an environmental management policy include water security

Number of suppliers identified as having a substantive impact

0

% of total suppliers identified as having a substantive impact

None

Please explain

We have stipulated that ESG assessments be made in signing purchase contracts to identify suppliers' ESG management status and assess risks associated with supply chain management.

We manage critical suppliers separately according to the set criteria to maintain our production continuity and manage risks.

So far, no company has been a problem or will have a problem in terms of water security.

W1.5b

(W1.5b) Do your suppliers have to meet water-related requirements as part of your organization's purchasing process?

Suppliers have to meet specific water-related requirements	
Row 1	Yes, suppliers have to meet water-related requirements, but they are not included in our supplier contracts

W1.5c

(W1.5c) Provide details of the water-related requirements that suppliers have to meet as part of your organization's purchasing process, and the compliance measures in place.

Water-related requirement

Complying with going beyond water-related regulatory requirements

% of suppliers with a substantive impact required to comply with this water-related requirement

100%

% of suppliers with a substantive impact in compliance with this water-related requirement

51-75

Mechanisms for monitoring compliance with this water-related requirement

Supplier self-assessment

Response to supplier non-compliance with this water-related requirement

Suspend and engage

Comment

W1.5d

(W1.5d) Provide details of any other water-related supplier engagement activity.

Type of engagement

Innovation & collaboration

Details of engagement

Encourage/incentivize innovation to reduce water impacts in products and services

% of suppliers by number

Less than 1%

% of suppliers with a substantive impact

Unknown

Rationale for your engagement

Providing formic acid to smallholder natural rubber farmers —Natural rubber, a key tire material, is produced by coagulating the liquid extracted from rubber trees. While farmers often use acid to shorten coagulation times, some smallholder rubber farmers in Indonesia opt for alternative forms of acid that are relatively cheaper than formic acid, giving rise to issues with product quality and environmental protection. To resolve this challenge and establish a sustainable natural rubber supply chain, Hankook Tire & Technology has prepared to provide farmers with formic acid, which generates relatively less of an environmental impact. By providing formic acid to smallholders in Indonesia, we not only generated gains in natural rubber productivity and quality, but also helped farmers improve their standard of living. The natural rubber produced as such is delivered to natural rubber processing plants with whom we signed long-term supply contracts to contribute to the sustainable manufacturing of products.

Impact of the engagement and measures of success

Prevention of water pollution.

Comment

W1.5e

(W1.5e) Provide details of any water-related engagement activity with customers or other value chain partners.

Type of stakeholder

Other, please specify
 Employee

Type of engagement

Education / information sharing

Details of engagement

Run an engagement campaign to educate stakeholders about your water-related performance and strategy

Rationale for your engagement

Changing employees' perceptions to reduce water usage in the factory.

Impact of the engagement and measures of success

Check the effectiveness by tap water usage.

W2. Business impacts

W2.1

(W2.1) Has your organization experienced any detrimental water-related impacts?

No

W2.2

(W2.2) 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
Row 1	No	

W3. Procedures

W3.1

(W3.1) 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?

Identification and classification of potential water pollutants	How potential water pollutants are identified and classified

Row 1	Yes, we identify and classify our potential water pollutants	To identify and classify potential water pollutants, wastewater is regularly(at least once a half year) referred to external agencies to analyze pollutants and their concentrations. The pollutants regulated by the relevant laws are analysed and compared them with emission limit to ensure that there are no problems. Regarding this, not only our company but also the Ministry of Environment conducts sudden inspections of discharged water, and if there is a problem with the results, we will be notified.
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W3.1a

(W3.1a) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.

Water pollutant category

Inorganic pollutants

Description of water pollutant and potential impacts

Inorganic pollutants are mostly heavy metals, and even a small amount has a large impact on environment and human health

Heavy metals are not included as raw materials, but are sometimes detected due to some impurities, pipe contamination, etc.

Value chain stage

Direct operations

Supply chain

Actions and procedures to minimize adverse impacts

Beyond compliance with regulatory requirements

Water recycling

Reduction or phase out of hazardous substances

Upgrading of process equipment/methods

Please explain

1. Measure and monitor the pollutant concentration level of wastewater and discharge water regularly, and check whether it is managed under the regulation limit.
2. By increasing the rate of water recycling in the factory, the amount of wastewater discharge can be reduced to reduce pollutant emissions also.
3. Check the raw materials that may contain heavy metals and work with suppliers to minimize the hazardous content or develop alternative materials.
4. As most of plants operate their own wastewater treatment facilities, operations and facility improvements are promoted to increase wastewater treatment efficiency and reduce the pollutant concentration .

W3.3

(W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

W3.3a

(W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

Value chain stage

Direct operations

Coverage

Full

Risk assessment procedure

Water risks are assessed as a standalone issue

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Tools on the market

Tools and methods used

WRI Aqueduct

WWF Water Risk Filter

Other, please specify

Life Cycle Assessment

Contextual issues considered

Water availability at a basin/catchment level

Water quality at a basin/catchment level

Stakeholder conflicts concerning water resources at a basin/catchment level

Water regulatory frameworks

Stakeholders considered

Customers

Local communities

Comment

Value chain stage

Supply chain

Coverage

Partial

Risk assessment procedure

Water risks are assessed as part of other company-wide risk assessment system

Frequency of assessment

Annually

How far into the future are risks considered?

3 to 6 years

Type of tools and methods used

Other

Tools and methods used

Internal company methods

Contextual issues considered

Water quality at a basin/catchment level
Water regulatory frameworks

Stakeholders considered

Local communities
Regulators

Comment

W3.3b

(W3.3b) Describe your organization’s process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.

	Rationale for approach to risk assessment	Explanation of contextual issues considered	Explanation of stakeholders considered	Decision-making process for risk response
Row 1	1) Value chain phase: direct operational phase only 2) Scope: Water security, water quality, water	1) Water availability at a base/catchment level: Compared to other businesses, production does not require a large amount of water, but it is essential to use water for	1. local communities: Local communities are very important stakeholders who are most closely affected by production activities. 2. Regulators:	1) direct operation - Report on issues and discuss countermeasures through the SHE Committee. - Countermeasures

<p>quality, biodiversity, etc</p> <p>3) Assessment tools and methods used: Utilize WRI tools, enter coordinates of the plant to identify risks</p> <p>4) Risk classification: include when the risk level in terms of water security is medium-high or higher</p>	<p>steam production and cooling water necessary for production.</p> <p>2) Water quality at a base/catchment level: Water quality is important to some extent, even if it is not of high quality, because cooling water comes into direct contact with the product.</p> <p>3) Stakeholder conflict: Especially in the case of Korean/Chinese factories, it is located adjacent to the residential area, so this is important</p> <p>4) Water regulatory frameworks: Environmental legislation is increasingly tightened, which is also associated with reputation/financial risk.</p>	<p>Environmental issues continue to arise, and new regulations are also occurring to prevent them. It is necessary to continuously check whether the regulation is made on an appropriate basis and whether there is any unreasonable part.</p> <p>3. Customers : The customer of the tire is not only a replacement tire buyer, but also a car manufacturer is an important buyer. Car makers are more likely to be exposed to water risks than the tire industry, and there are many demands on the tire industry in their supply chain.</p>	<p>include improving water treatment technology, introducing water efficiency technology/facilities, and engagement with stakeholders</p> <p>2) supply chain</p> <ul style="list-style-type: none"> - Report on issues and discuss countermeasures through the supplier committee. - In the case of countermeasures, there is a request for corrective action, termination of the contract, etc.
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W4. Risks and opportunities

W4.1

(W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes, only within our direct operations

W4.1a

(W4.1a) How does your organization define substantive financial or strategic impact on your business?

We define the following four major risks.

- (i) Physical Risk : Abnormal operation by cutting water supply (because of flood, polluted water, water shortage, etc.)
- (ii) Regulatory Risk : Risk of non-compliance
- (iii) Reputational Risk : Negative recognition of stakeholders

(iv) Financial Risk : Impact on the company's financial performance - The above risks are accompanied by financial risks. In particular, the frequency and extent of damage caused by physical risks are increasing due to climate change.

We manage the risks by establishing indicators such as quantity of water intake or water recycling rate and setting goals for them. Furthermore, we manage the risks of supply chain by conducting ESG assessment for suppliers.

W4.1b

(W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	3	51-75	3 of the 8 plant was rated as having high risk about water security by assessing WRI tool.

W4.1c

(W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive financial or strategic impact on your business, and what is the potential business impact associated with those facilities?

Country/Area & River basin

China

Other, please specify

Tail Hu Lake

Number of facilities exposed to water risk

1

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

1-10

Comment

As a result of water risk assessment using WRI aqueduct, the overall water risk was high.

Country/Area & River basin

Republic of Korea
Other, please specify
Geum

Number of facilities exposed to water risk

2

% company-wide facilities this represents

1-25

% company's total global revenue that could be affected

21-30

Comment

As a result of water risk assessment using WRI aqueduct, the overall water risk was medium-high.

W4.2

(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.

Country/Area & River basin

China
Other, please specify
Tai Hu Lake

Type of risk & Primary risk driver

Chronic physical
Declining water quality

Primary potential impact

Increased operating costs

Company-specific description

Pollution of the lake has been ongoing for decades despite efforts to reduce pollution that were not sustained and thus proved ineffective.

Timeframe

4-6 years

Magnitude of potential impact

High

Likelihood

Likely

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

68,731,000

Potential financial impact figure - maximum (currency)

343,658,000

Explanation of financial impact

It's hard to predict, but if the water is polluted or losing amount of water, it must be pretreated to make it suitable for manufacture. The pretreating process can cause added expense.

Primary response to risk

Adopt water efficiency, water reuse, recycling and conservation practices

Description of response

At the first time, there had been no facility for treating polluted water. But in order to overcome the risk, this plant was built our own waste water treatment facility, and strive to constantly reuse treated water.

Cost of response

1,000,000,000

Explanation of cost of response

Occurrence of expenses for installation and operation of physicochemical waste water treatment facility.

Country/Area & River basin

Republic of Korea
Other, please specify
Geum

Type of risk & Primary risk driver

Acute physical
Flood (coastal, fluvial, pluvial, groundwater)

Primary potential impact

Increased operating costs

Company-specific description

Daejeon plant in Korea is likely to be flooded in case of flooding due to flooding in Geum River and nearby dams.

Timeframe

4-6 years

Magnitude of potential impact

Medium-high

Likelihood

Likely

Are you able to provide a potential financial impact figure?

Yes, an estimated range

Potential financial impact figure (currency)

Potential financial impact figure - minimum (currency)

5,000,000,000

Potential financial impact figure - maximum (currency)

10,000,000,000

Explanation of financial impact

It's hard to predict, but it assumes that half of Daejeon plant is out of service due to flooding.

Primary response to risk

Amend the Business Continuity Plan

Description of response

Among the risks defined in the crisis management system, floods are included and are being managed.

Cost of response

50,000,000

Explanation of cost of response

A management-side response is in progress to respond to a possible flood
- Emergency response organization operations, optimized production planning, etc.

W4.2c

(W4.2c) Why does your organization not consider itself exposed to water risks in its value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact?

	Primary reason	Please explain
Row 1	Risks exist, but no substantive impact anticipated	Hankook Tire & Technology conducts ESG evaluations including water-related items for its suppliers. As a result of the ESG evaluation of suppliers, it was determined that no suppliers suffered significant water-related impact in the supply of raw materials. If the supplier's ESG evaluation shows that the risk is high, a countermeasure will be prepared

		and implemented.
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W4.3

(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?

Yes, we have identified opportunities, and some/all are being realized

W4.3a

(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.

Type of opportunity

Efficiency

Primary water-related opportunity

Cost savings

Company-specific description & strategy to realize opportunity

To minimize our consumption of water resources, the all plants has applied wastewater for cleansing and as cleaning water for wet scrubber only except for Tennessee plant.

Estimated timeframe for realization

Current - up to 1 year

Magnitude of potential financial impact

Medium

Are you able to provide a potential financial impact figure?

Yes, a single figure estimate

Potential financial impact figure (currency)

953,301,500

Potential financial impact figure – minimum (currency)

Potential financial impact figure – maximum (currency)

Explanation of financial impact

To minimize our consumption of water resources, the waste water processed at the wastewater treatment facilities of the plants is used for environmental facilities(wet scrubbers) and cleaning water for ther facilities. 53% of treated wastewater is being used as toilet water and cleansing water for wet scrubber in the plants. So we can save the cost of water resources.

W5. Facility-level water accounting

W5.1

(W5.1) For each facility referenced in W4.1c, provide coordinates, water accounting data, and a comparison with the previous reporting year.

Facility reference number

Facility 1

Facility name (optional)

Jiaxing Plant

Country/Area & River basin

China

Other, please specify

China Coast, Lake Tail Hu

Latitude

30.793511

Longitude

120.757015

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

687

Comparison of total withdrawals with previous reporting year

Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

687

Withdrawals from third party sources

0

Total water discharges at this facility (megaliters/year)

447

Comparison of total discharges with previous reporting year

Higher

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

447

Total water consumption at this facility (megaliters/year)

240

Comparison of total consumption with previous reporting year

Lower

Please explain

Facility reference number

Facility 2

Facility name (optional)

Guemsan Plant

Country/Area & River basin

Republic of Korea

Other, please specify

Geum-river

Latitude

36.116626

Longitude

127.53097

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

1,598

Comparison of total withdrawals with previous reporting year

Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

1,598

Withdrawals from third party sources

0

Total water discharges at this facility (megaliters/year)

317

Comparison of total discharges with previous reporting year

Higher

Discharges to fresh surface water

317

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

0

Total water consumption at this facility (megaliters/year)

1,281

Comparison of total consumption with previous reporting year

Higher

Please explain

Facility reference number

Facility 3

Facility name (optional)

Daejeon Plant

Country/Area & River basin

Republic of Korea

Other, please specify

Geum-river

Latitude

36.450062

Longitude

127.409217

Located in area with water stress

Yes

Total water withdrawals at this facility (megaliters/year)

1,500

Comparison of total withdrawals with previous reporting year

Lower

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

68

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

1,432

Withdrawals from third party sources

0

Total water discharges at this facility (megaliters/year)

48

Comparison of total discharges with previous reporting year

Lower

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

48

Total water consumption at this facility (megaliters/year)

1,451

Comparison of total consumption with previous reporting year

Higher

Please explain

W5.1a

(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been third party verified?

Water withdrawals – total volumes

% verified

76-100

Verification standard used

AA1000AS

Water withdrawals – volume by source

% verified

76-100

Verification standard used

AA1000AS

Water withdrawals – quality by standard water quality parameters

% verified

Not verified

Please explain

Water discharges – total volumes

% verified

76-100

Verification standard used

AA1000AS

Water discharges – volume by destination

% verified

Not verified

Please explain

Water discharges – volume by final treatment level

% verified

Not verified

Please explain

Water discharges – quality by standard water quality parameters

% verified

76-100

Verification standard used

AA1000AS

Water consumption – total volume

% verified

76-100

Verification standard used

AA1000AS

W6. Governance

W6.1

(W6.1) Does your organization have a water policy?

Yes, we have a documented water policy that is publicly available

W6.1a

(W6.1a) Select the options that best describe the scope and content of your water policy.

Scope	Content	Please explain
R o w 1 - w i d e	Co mp any - wid e (inclu ding value chain stage s) cover ed by the policy Descr iption of busin ess impa ct on water Com mitm ent to preve nt, mini mize, and	<p>Hankook Tire & Technology sets its utmost value on human safety, health and environment. With this in mind Hankook Tire & Technology pursues safe and healthy living providing customers with value and pleasure, and implements pacesetting safety, health and environment management throughout its business activities and product life cycle.</p> <p>Please refer to this URL: https://www.hankooktire.com/global/en/esg/hankook-tire-esg/esg-policy.html (Safety, health and environmet policy, Environmental management policy)</p> <p>https://asset.hankooktire.com/content/dam/hankooktire/global/pdf/esg/esg_%ED%95%9C%EA%B5%AD%ED%83%80%EC%9D%B4%EC%96%B4esg/HKT_Smelter_List_2023_01.pdf (Supplier Sustainability Guidance)</p> <p>i) A rationale for the scope selected : Hankook Tire & Technology evaluates water-related environmental impacts such as freshwater ecotoxicity, freshwater eutrophication, and water resource depletion throughout the tire life cycle. To reduce these impacts, water-related content is included in the Environmental , Health and Safety Policy (EHS Policy), and targets for recycling water ratio and water withdrawal have been established and monitored regularly.</p> <p>ii) overview : In the Production stage, water is not used as a raw material for tires, but water is used to reduce pollutant emissions in the manufacturing process, cool the product, and supply the heat source (steam) necessary for the process. At this time, not much water is used, and efforts are being made to recycle it, and the amount of water discharged into the water system is minimized to minimize the impact on the water system. As a company-wide water-related goal, we set the goal of reducing water intake by 30% by 2030 compared to 2018.</p>

	<p>contr ol polluti on Com mitm ent to reduc e or phas e-out hazar dous subst ance s Com mitm ent to reduc e water withd rawal and/o r cons umpti on volu mes in direct opera tions Com mitm ent to reduc e water withd rawal and/o r</p>	
--	---	--

	consumption volumes in supply chain Commitment to safely managed Water, Sanitation and Hygiene (WASH) in the workplace Commitment to stakeholder education and capacity building on water security Commitment	
--	--	--

	ent to the cons ervati on of fresh water ecosy stem s Com mitm ents beyo nd regul atory comp liance Refer ence to comp any water - relate d target s	
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W6.2

(W6.2) Is there board level oversight of water-related issues within your organization?

Yes

W6.2a

(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.

Position of individual or committee	Responsibilities for water-related issues
Board Chair	(i) Job title: Chairman of the Board of Directors, Chairman of the Sustainability Committee in the Board

	<p>(ii) Position in the corporate structure: President & CEO(Chief Executive Officer)</p> <p>(iii) Explanation: In order to expedite the internal decision-making process and increase efficiency, the Board of Directors at Hankook Tire & Technology operates the ESG Committee to handle more delicate, key issues while activities of the Board of Directors focuses on other matters pertaining to responsible management. The ESG Committee is composed of directors within the company, led CEO at Hankook Tire & Technology. The Committee deliberate on and resolve matters related to company-wide risk management issues including water-related issues.</p> <p>(iv) Water-related decisions: water-related target approval, water-related indicator reporting, and discussion of improvement measures.</p>
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W6.2b

(W6.2b) Provide further details on the board’s oversight of water-related issues.

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - some meetings	Monitoring implementation and performance Overseeing major capital expenditures Reviewing and guiding annual budgets Reviewing and guiding business plans Reviewing and guiding corporate responsibility strategy Reviewing and guiding major plans of action Reviewing and guiding risk management policies Reviewing and guiding strategy	Hankook Tire & Technology changed the existing Management Committee to the Sustainability Committee in March 2016 to prevent potential risks in overall corporate management and solidify corporate sustainability. The previous Management Committee only performed deliberation and decisions on general management and finance matters, while the new Sustainability Committee additionally plays the role of monitoring sustainability risk in all non-financial areas including environmental issues, along with decision making. Meetings are classified as either ordinary meetings or extraordinary meetings. Ordinary meetings in principle are held on the third or fourth Monday of every month; however, if there are unavoidable circumstances, an ordinary meeting may be rescheduled to another date with prior notice. Extraordinary meetings are held when required. Water-related issues are not addressed at every meeting, but inspections are conducted at least half yearly.

		Reviewing innovation/R&D priorities Setting performance objectives	
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W6.2d

(W6.2d) Does your organization have at least one board member with competence on water-related issues?

	Board member(s) have competence on water-related issues	Criteria used to assess competence of board member(s) on water-related issues
Row 1	Yes	The board of directors of Hankook Tire & Technology (HKT) consists of 3 inside directors and 4 outside directors. 1 inside director supervises the ESG management of HKT, and the ESG Team is supervised directly by the inside director. Under the current director's supervision, the Mid- to Long- Term ESG Strategy and the environmental impact reduction strategy and target were established including water. The monitoring and instructions on the issues related to water issues are evidences that the member has capable of responding to such issues. The water-related leadership of the corresponding director has continuously made an impact on the board of directors.

W6.3

(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).

Name of the position(s) and/or committee(s)

Chief Executive Officer (CEO)

Water-related responsibilities of this position

Assessing water-related risks and opportunities
Integrating water-related issues into business strategy

Frequency of reporting to the board on water-related issues

Annually

Please explain

To ensure that our ESG initiatives are undertaken in an integrated manner across the board, Hankook Tire & Technology operate the ESG Strategy Committee which is chaired by CEO and eight ESG Steering Committees under the ESG Strategy Committee. Through regular reporting and review, we strive to make achievements in

accordance with the established plan. The ESG Strategy Committee meeting attended by the CEO, heads of each regional headquarters, and executives is held every February or March to review critical issues discussed by ESG Steering Committees in the previous year, share changing ESG trends at home and abroad, and make decisions on future directions. The decisions are delivered to supervising team of each ESG Steering Committee for their active operation.

Name of the position(s) and/or committee(s)

Other, please specify
SHE Evolution Committee

Water-related responsibilities of this position

Setting water-related corporate targets
Monitoring progress against water-related corporate targets
Managing public policy engagement that may impact water security

Frequency of reporting to the board on water-related issues

Quarterly

Please explain

The SHE Evolution Committees, the key elements of Hankook Tire's ESG initiatives, play a role in connecting our ESG initiatives with daily operation of employees in core managerial areas upon the responsibility of seven directors of each division/departement. SHE(Safety, Health and Environment) Committee, which is one of ESG steering committees, chaired by SHE department director monitors water-related risks and opportunities in a quarterly(3 time in year) basis and the chairperson makes decisions on related issues.

W6.4

(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?

	Provide incentives for management of water-related issues	Comment
Row 1	Yes	The reduction in operating costs due to the reduction in water usage also affects the product manufacturing cost, acting as one of the incentive factors.

W6.4a

(W6.4a) What incentives are provided to C-suite employees or board members for the management of water-related issues (do not include the names of individuals)?

	Role(s) entitled to incentive	Performance indicator	Contribution of incentives to the achievement of your organization's water commitments	Please explain
Monetary reward	Corporate executive team Chief Executive Officer (CEO) Chief Operating Officer (COO)	Reduction of water withdrawals – direct operations Company performance against a sustainability index with water-related factors (e.g., DJSI, CDP Water Security score, etc.)	1. Water usage is also related to manufacturing cost. The indicators are linked to product costs and are linked to c-suite incentives. 2. Water intake KPI is managed as a global sustainability target, which is linked to c-suite's performance and incentives are paid differently depending on whether it is achieved or not. 3. Our company manages sustainability index (e.g. CDP/DJSI), including water-related issues. This is a key component of ESG's executive evaluation. 4. The c-suite incentive contribution of the issue is expected to increase due to higher water prices and stricter regulations..	Water-related performance affects both short-term and long-term incentives The factory manager and the representative officers of the headquarters in each region are responsible.
Non-monetary reward	No one is entitled to these incentives			

W6.5

(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?

- Yes, direct engagement with policy makers
- Yes, trade associations
- Yes, funding research organizations

W6.5a

(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?

- (i) Hankook Tire & Technology has publicly disclosed our activities, plans, performance and governance of climate change response through CDP, DJSI, ESG Report, etc.
- (ii) Inside the company, SHE department director who is the head of SHE committee directly reports the SHE strategy to CEO through ESG Strategy committee which is held every year.
- (iii) Hankook Tire & Technology is a member of the World Business Council for Sustainable Development (WBCSD) and the Korea Business Council for Sustainable Development (KBCSD) to monitor Global/European/Korea, etc. water related issues. They hold many meetings or seminars and we are actively engaged in these activities to reflect and implement water policy and water commitments.
- (iv) Tire trade associations monitors regulatory trends that may affect the tire industry, and if necessary, meeting with policy makers. Recently, there has been a case of suggesting to the Ministry of Environment on issues related to microplastics.
- (v) Hankook Tire & Technology is willing to revise policies and establish solutions to respond to new regulations and requirements.

W6.6

(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?

No, but we plan to do so in the next two years

W7. Business strategy

W7.1

(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	No, water-related issues were reviewed but not considered as strategically relevant/significant	5-10	Water purchase costs are very low compared to other utilities such as electricity and steam.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	21-30	We set the key performance index and global target of water withdrawal and water recycling rate. We establish an initiative to achieve the goal of indicators

			we set and review the actual performance compared to plan every year.
Financial planning	No, water-related issues were reviewed but not considered as strategically relevant/significant	11-15	Water purchase costs are very low compared to other utilities such as electricity and steam.

W7.2

(W7.2) 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?

Row 1

Water-related CAPEX (+/- % change)

137

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

5

Water-related OPEX (+/- % change)

17

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

5

Please explain

CAPEX and OPEX related to environmental, safety and health have been counted since 2021. Therefore, we can only compare 2021 and 2022, and only water-related values have not been extracted yet, so we report them based on the total EHS cost. Increased facility investment and maintenance costs due to aging of facilities, and additional investment to cope with stricter environmental regulations

W7.3

(W7.3) Does your organization use scenario analysis to inform its business strategy?

	Use of scenario analysis	Comment
Row 1	No, and we do not plan to do so within the next two years	Water purchase costs are very low compared to other utilities such as electricity and steam. Therefore, since it is not yet a major factor in business strategy, it does not analyze scenarios.

W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

Water purchase costs are very low compared to other utilities such as electricity and steam.

Therefore, since it is not yet a high priority in business strategy, we couldn't use an internal price on water.

W7.5

(W7.5) 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
Row 1	No, and we do not plan to address this within the next two years	Judged to be unimportant, explanation provided	The direct/indirect water impact is not high among the processes of related products and services. In the manufacturing process, water is not used as a raw material, and most of water is used for cooling water, and thus it is determined that it is not important impact yet.

W8. Targets

W8.1

(W8.1) Do you have any water-related targets?

Yes

W8.1a

(W8.1a) Indicate whether you have targets relating to water pollution, water withdrawals, WASH, or other water-related categories.

	Target set in this category	Please explain
Water pollution	Yes	
Water withdrawals	Yes	
Water, Sanitation, and Hygiene (WASH) services	No, and we do not plan to within the next two years	

Other	No, and we do not plan to within the next two years	
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W8.1b

(W8.1b) Provide details of your water-related targets and the progress made.

Target reference number

Target 1

Category of target

Water withdrawals

Target coverage

Company-wide (direct operations only)

Quantitative metric

Reduction in withdrawals per unit of production

Year target was set

2019

Base year

2018

Base year figure

5.4

Target year

2030

Target year figure

3.8

Reporting year figure

5.2

% of target achieved relative to base year

12.5

Target status in reporting year

Underway

Please explain

- 1) Scope: Company-wide manufacturing sites
- 2) Motivation: Contributing to the prevention of resource depletion by reducing intake water

Target reference number

Target 2

Category of target

Water pollution

Target coverage

Company-wide (direct operations only)

Quantitative metric

Reduction in water discharges per unit of production

Year target was set

2019

Base year

2018

Base year figure

28.4

Target year

2030

Target year figure

19

Reporting year figure

21.8

% of target achieved relative to base year

70.2127659574

Target status in reporting year

Underway

Please explain

- 1) Scope: Company-wide manufacturing sites
- 2) Motivation: Minimize discharged water by increasing water recycling and minimize pollutant emissions by improving the efficiency of water treatment facilities

W9. Verification

W9.1

(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?

Yes

W9.1a

(W9.1a) Which data points within your CDP disclosure have been verified, and which standards were used?

Disclosure module	Data verified	Verification standard	Please explain
W1 Current state	Withdrawals, Discharges, Recycled/reused, Consumption figures	AA1000AS	The 2022 data were verified by The Korea Productivity Center according to the the AA1000AS for sustainability Reporting standards. Third-party verification can be confirmed in ESG Report 22/23. The ESG report 22/23 is being prepared and will be released in August. Please refer to the ESG Report 2022/23 p.77~ 78 https://www.hankooktire.com/global/en/esg/esg-report.html
W6 Governance	Company-wide targets and goals Activity level specific targets and/or goals	AA1000AS	The 2022 data were verified by The Korea Productivity Center according to the the AA1000AS for sustainability Reporting standards. Third-party verification can be confirmed in ESG Report 22/23. The ESG report 22/23 is being prepared and will be released in August. Please refer to the ESG Report 2022/23 p.77~ 78 https://www.hankooktire.com/global/en/esg/esg-report.html
W8 Targets	water policy, organization dealt with water-related issues	AA1000AS	The 2022 data were verified by The Korea Productivity Center according to the the AA1000AS for sustainability Reporting standards. Third-party verification can be confirmed in ESG Report 22/23. The ESG report 22/23 is being prepared and will be released in August. Please refer to the ESG Report 2022/23 p.77~ 78 https://www.hankooktire.com/global/en/esg/esg-report.html

W10. Plastics

W10.1

(W10.1) Have you mapped where in your value chain plastics are used and/or produced?

Plastics mapping	Value chain stage	Please explain
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Row 1	Yes	Direct operations Supply chain Product use phase	<p>1. Direct operations</p> <ul style="list-style-type: none"> - Almost all of the factory-generated palettes and plastic waste are recycled through third parties - store Waste storage separately, manage generation and recycling rate <p>2. Supply Chain</p> <ul style="list-style-type: none"> - PET Cord, Nylon used as a Raw Material for Tire Manufacturing - Synthetic rubber is not included in the reporting range - It is calculating whether the raw materials are renewable or recycled materials, and R&D is underway for recycled cord using recycled PET. <p>3. Product use phase</p> <ul style="list-style-type: none"> - It has been announced that tires and road wear particles(TRWP) contribute to the concentration of ocean microplastics. Tires are unintentional sources of emissions as wear with roads. - More impact on emissions based on road and driving habits - TIP(Tire Industry Project) has established TRWP Mitigation strategy and is preparing to implement it in collaboration with many stakeholders. - A study is underway to confirm the amount of TRWP generated and the contribution rate of ocean microplastics
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W10.2

(W10.2) Across your value chain, have you assessed the potential environmental and human health impacts of your use and/or production of plastics?

	Impact assessment	Value chain stage	Please explain
Row 1	Yes	Product use phase	Research is underway through TIP to determine the impact and contribution of generated tire and road wear particles to the environment and human health.

W10.3

(W10.3) Across your value chain, are you exposed to plastics-related risks with the potential to have a substantive financial or strategic impact on your business? If so, provide details.

	Risk exposure	Value chain stage	Type of risk	Please explain
Row 1	Yes	Direct operations	Regulatory Technology	Europe has a plan to establish treaty on plastic pollution related to all life cycle of plastics by 2024. The regulation is expected to have an impact on many

		Supply chain Product use phase		industries, even the tire industry. In particular, the requirement for wear resistance of tires may increase, or alternative materials should be developed within three years. This could lead to major paradigm shifts in the industry, such as improving energy efficiency (requiring rolling resistance) of products in the past. It is necessary to develop a compound to improve wear performance, establish a strategy to develop alternatives to plastic materials, and invest.
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W10.4

(W10.4) Do you have plastics-related targets, and if so what type?

	Targets in place	Target type	Target metric	Please explain
Row 1	Yes	Plastic polymers Microplastics Waste management Other	Reduce the total weight of virgin content in plastic polymers Reduce the potential release of microplastics and plastic particles Increase the proportion of recyclable plastic waste that we collect, sort, and recycle Other, please specify	

W10.5

(W10.5) Indicate whether your organization engages in the following activities.

	Activity applies	Comment
Production of plastic polymers	No	
Production of durable plastic components	No	
Production / commercialization of durable plastic goods (including mixed materials)	Yes	
Production / commercialization of plastic packaging	No	
Production of goods packaged in plastics	No	
Provision / commercialization of services or goods that use plastic packaging (e.g., retail and food services)	No	

W10.7

(W10.7) Provide the total weight of plastic durable goods/components sold and indicate the raw material content.

Row 1

Total weight of plastic durable goods/components sold during the reporting year (Metric tonnes)

45,669

Raw material content percentages available to report

% virgin fossil-based content

% post-consumer recycled content

% virgin fossil-based content

0

% post-consumer recycled content

99.99

Please explain

- Only report the total weight of the plastic element of product
- Plastic weight out of total raw material purchase weight
- Synthetic rubber is not included in the reporting range
- The proportion of recycled raw materials will gradually increase

W11. Sign off

W-FI

(W-FI) 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.

W11.1

(W11.1) Provide details for the person that has signed off (approved) your CDP water response.

	Job title	Corresponding job category
Row 1	Team Manager in Environmental Social Governance Team	Environment/Sustainability manager

SW. Supply chain module

SW0.1

(SW0.1) What is your organization's annual revenue for the reporting period?

Annual revenue

Row 1	8,394,200,000,000
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SW1.1

(SW1.1) Could any of your facilities reported in W5.1 have an impact on a requesting CDP supply chain member?

Yes, CDP supply chain members buy goods or services from facilities listed in W5.1

SW1.1a

(SW1.1a) Indicate which of the facilities referenced in W5.1 could impact a requesting CDP supply chain member.

Facility reference number

Facility 1

Facility name

Jiaying Plant

Requesting member

BMW AG

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 1

Facility name

Jiaying Plant

Requesting member

Ford Motor Company

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 1

Facility name

Jiaxing Plant

Requesting member

General Motors Company

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 1

Facility name

Jiaxing Plant

Requesting member

Nissan Motor Co., Ltd.

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 2

Facility name

Guemsan Plant

Requesting member

Ford Motor Company

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 2

Facility name

Guemsan Plant

Requesting member

General Motors Company

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 2

Facility name

Guemsan Plant

Requesting member

Nissan Motor Co., Ltd.

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 3

Facility name

Daejeon Plant

Requesting member

BMW AG

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 3

Facility name

Daejeon Plant

Requesting member

Ford Motor Company

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 3

Facility name

Daejeon Plant

Requesting member

General Motors Company

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

Facility reference number

Facility 3

Facility name

Daejeon Plant

Requesting member

Nissan Motor Co., Ltd.

Description of potential impact on member

There are no concerned impact about intake water quality and quantity because we already installed pretreatment facilities and we received water from third party source.

Comment

SW1.2

(SW1.2) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Yes, for all facilities	

SW1.2a

(SW1.2a) Please provide all available geolocation data for your facilities.

Identifier	Latitude	Longitude	Comment
Daejeon Plant	36.439	127.5	Country : South Korea
Geumsan Plant	36.133	127.5	Country : South Korea
Jiangsu Plant	33	120	Country : China
Jiaxing Plant	28	121	Country : China
Chongqing Plant	30	108	Country : China
Hungary Plant	47	19	Country : Hungary
Tennessee Plant	37	-87	Country : United State of America
Indonesia Plant	-6	107	Country : Indonesia

SW2.1

(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.

SW2.2

(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?

No

SW3.1

(SW3.1) Provide any available water intensity values for your organization's products or services.

Product name

All tires produced in Daejeon Plant

Water intensity value

6.3

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Geumsan Plant

Water intensity value

7.2

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Jiaxing Plant

Water intensity value

5

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Hungary Plant

Water intensity value

2.9

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Jiangsu Plant

Water intensity value

3.8

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Chongqing Plant

Water intensity value

5.4

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Indonesia Plant

Water intensity value

4.9

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Product name

All tires produced in Tennessee Plant

Water intensity value

2.8

Numerator: Water aspect

Water withdrawn

Denominator

ton of finished product

Comment

Submit your response

In which language are you submitting your response?

English

Please confirm how your response should be handled by CDP

	I understand that my response will be shared with all requesting stakeholders	Response permission
Please select your submission options	Yes	Public

Please indicate your consent for CDP to share contact details with the Pacific Institute to support content for its Water Action Hub website.

Yes, CDP may share our Main User contact details with the Pacific Institute

Please confirm below

I have read and accept the applicable Terms