



## Limited Assurance Report to the Board of Directors of Akçansa Çimento A.Ş.

We have been engaged by Akçansa Çimento A.Ş. (“Akçansa” or the “Company”) to perform an limited assurance engagement in respect of Selected Sustainability Information (“Selected Information”) included in the Appendix -1: Akçansa Sustainability Data Table (“Sustainability Data Table”) for the year ended 31 December 2020 and listed below.

### Selected Information

The scope of the Selected Information for the year ended 31 December 2020, which is subject to our limited assurance work, is summarized below:

#### Social Performance Indicators

- Occupational Health and Safety Indicators (Employees)
  - Number of incidents (#)
  - Number of fatalities (#)
  - Number of occupational diseases (#)
  - Total
  - Lost Day Rate (LDR) (%)
- Total number of employees
  - Female (#)
  - Male (#)
- Female employees’ rate (%)

#### Environmental Performance Indicators

- Energy consumption
  - Total energy consumption (MWh)
  - Renewable Energy Consumption (MWh)
- Intensity Indicators
  - Energy intensity (MWh/ million TL)
  - Greenhouse gas emission intensity (ton CO<sub>2</sub>e/ million TL)
- Greenhouse Gas Emissions (ton CO<sub>2</sub>e)
  - Scope 1
  - Scope 2
  - Scope 3
- Water Consumption
  - Water consumption (m<sup>3</sup>)
  - Water recycled and reused (m<sup>3</sup>)
  - Total amount of recovered water (m<sup>3</sup>)



- Waste
  - Hazardous waste (tons)
  - Non - hazardous waste (tons)
  - Percentage of waste reused and recycled (%)

#### Economic Performance Indicators

- Sustainable Business Model
  - Number of Sustainable Products and Services (#)
  - Sustainable product and service revenues (TL)
  - R&D and innovation expenditures (TL)
  - Sustainability focused R&D and innovation investments (TL)
  - The ratio of sustainability focused R&D and innovation activities (%)
- Total Environmental Investments and Expenditures
  - Transition investments

Our assurance was with respect to the year ended 31 December 2020 information only and we have not performed any procedures with respect to earlier periods or any other elements included in Selected Information in the Sustainability Data Table and, therefore, do not express any conclusion thereon.

#### **Criteria**

The criteria used by the Company to prepare the Selected Information is set out in Appendix -2: Akçansa 2020 Sustainability Data Table - Reporting Guidance (“Reporting Guidance”)

#### **The Company’s Responsibility**

The Company is responsible for the content of Selected Information in the Sustainability Data Table and the preparation of the Selected Information in accordance with the Reporting Guidance. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation of Selected Information that is free from material misstatement, whether due to fraud or error.



### **Inherent Limitations**

Non-financial performance information is subject to more inherent limitations than financial information, given the characteristics of the subject matter and the methods used for determining such information. The absence of a significant body of established practice on which to draw to evaluate and measure non-financial information allows for different, but acceptable, measures and measurement techniques and can affect comparability between entities. The precision of different measurement techniques may also vary. Furthermore, the nature and methods used to determine such information, as well as the measurement criteria and the precision thereof, may change over time. It is important to read the Selected Information in the context of the Reporting Guidance.

In particular, the conversion of different energy measures to megawatt-hour (MWh) and energy used to carbon emissions is based upon, inter alia, information and factors generated internally and/or derived by independent third parties as explained in the Reporting Guidance. Our assurance work has not included examination of the derivation of those factors and other third-party information.

### **Our Independence and Quality Control**

We have complied with the independence and other ethical requirements of the Code of Ethics for Professional Accountants issued by the International Ethics Standards Board for Accountants, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

Our firm applies International Standard on Quality Control 1 and accordingly maintains a comprehensive system of quality control including documented policies and procedures regarding compliance with ethical requirements, professional standards and applicable legal and regulatory requirements.

### **Our Responsibility**

Our responsibility is to form a conclusion, based on limited assurance procedures, on whether anything has come to our attention that causes us to believe that the Selected Information has not been properly prepared in all material respects in accordance with the Reporting Guidance. We conducted our limited assurance engagement in accordance with International Standard on Assurance Engagements 3000 (Revised), *Assurance Engagements other than Audits or Reviews of Historical Financial Information*, and, in respect of greenhouse gas emissions, International Standard on Assurance Engagements 3410, *Assurance Engagements on Greenhouse Gas Statements*, issued by the International Auditing and Assurance Standards Board.



A limited assurance engagement is substantially less in scope than a reasonable assurance engagement under ISAE 3000 and ISAE 3410. Consequently, the nature, timing and extent of procedures for gathering sufficient appropriate evidence are deliberately limited relative to a reasonable assurance engagement.

The procedures we performed were based on our professional judgment and included inquiries, observation of processes performed, inspection of documents, analytical procedures, evaluating the appropriateness of quantification methods and reporting policies, and agreeing or reconciling with underlying records.

Given the circumstances of the engagement, in performing the procedures listed above we:

- made inquiries of the persons responsible for the Selected Information;
- understood the process for collecting and reporting the Selected Information. This included analysing the key processes and controls for managing and reporting the Selected Information;
- evaluated the source data used to prepare the Selected Information and re-performed selected examples of calculation;
- performed limited substantive testing on a selective basis of the preparation and collation of the Selected Information prepared by the Company and
- undertook analytical procedures over the reported data.

### **Limited Assurance Conclusion**

Based on the procedures we have performed and the evidence we have obtained, nothing has come to our attention that causes us to believe that Company's Selected Information for the year ended 31 December 2020, is not properly prepared, in all material respects, in accordance with the Reporting Guidance.



This report, including the conclusion, has been prepared for the Directors of the Company as a body, to assist the Directors in reporting Akçansa Çimento A.Ş.'s performance and activities related to the Selected Information. We permit the disclosure of this report within the Sustainability Data Table for the year ended 31 December 2020, to enable the Directors to demonstrate they have discharged their governance responsibilities by commissioning a limited assurance report in connection with the Selected Information. To the fullest extent permitted by law, we do not accept or assume responsibility to anyone other than the Directors of Akçansa Çimento A.Ş. as a body and Akçansa Çimento A.Ş. for our work or this report save where terms are expressly agreed and with our prior consent in writing.

PwC Bağımsız Denetim ve  
Serbest Muhasebeci Mali Müşavirlik A.Ş.

A handwritten signature in blue ink, appearing to read 'Cenk Uslu', is written over a light blue horizontal line.

Cenk Uslu, SMMM  
Partner

Istanbul, 12 July 2021

Appendix -1: Akçansa Sustainability Data Table (“Sustainability Data Table”)

	<b>Data Definition</b>	<b>Unit</b>	<b>Data</b>
<b>Environmental Indicators</b>	<b>Greenhouse Gas Density</b>	tn CO <sub>2</sub> / TL in milyon	<b>3.02</b>
	<b>Energy Density</b>	MWh / TL in milyon	<b>3.78</b>
	<b>Total Revenue</b>	TL	<b>1,967,108,077</b>
	<b>Share of Renewable Energy Consumption in Total Energy Consumption</b>	%	<b>1%</b>
	Renewable Energy Consumption	<b>MWh</b>	94,519
	<b>Total Annual Kilometers of Air Travel Made for the purpose of Business</b>	<b>km</b>	<b>179,412</b>
	<b>Total Annual Kilometers of Personnel Services</b>	<b>km</b>	<b>1,109,378</b>
	<b>Energy Consumption</b>		<b>7,445,112</b>
	Natural Gas Consumption	Mwh	4,871
	Coal	Mwh	1,001,933
	Fuel oil	Mwh	10,556
	Other	Mwh	5,752,357
	Electricity Consumption	Mwh	675,395
	<b>Greenhouse Gas Emissions</b>		<b>5,946,009</b>
	Direct (Scope 1) Greenhouse Gas Emissions	ton CO <sub>2</sub> e	5,680,999
	Energy-related Indirect (Scope 2) Greenhouse Gas Emissions	ton CO <sub>2</sub> e	262,191
	Other Indirect (Scope 3) Greenhouse Gas Emissions	ton CO <sub>2</sub> e	2,819
	<b>Waste</b>		
	Percentage of waste reused and recycled	%	96%
	Hazardous Waste	ton	1,311
Non-Hazardous Waste	ton	3,151	
Amount of recycled waste (ton)	ton	4,286	
<b>Water Consumption</b>	<b>m<sup>3</sup></b>	<b>2,152,519</b>	

	Municipal water	m3	346,103
	Surface water	m3	102,416
	Well water	m3	1,704,000
	<b>Water recycled and reused</b>	m3	1,746,168
<b>Social Indicators</b>	<b>ISG</b>		
	Number of incidents	#	15
	Number of fatalities	#	0
	Number of Occupational Diseases	#	0
	Injury-related Absenteeism	day	192
	<b>Female employees' rate</b>		
	Total Number of Employees	#	980
	Total Number of Female Employees	#	76
	Female employees' rate	%	8%
<b>Economic Indicators</b>	<b>Sustainable Business Model</b>		
	<b>Sustainable Product and Service Revenues</b>	TL	<b>243,000,000</b>
	Mitigation	TL	0
	Transition	TL	243,000,000
	Enabler	TL	0
	<b>Number of Sustainable Products and Services</b>	#	<b>26</b>
	Mitigation	#	0
	Transition	#	26
	Enabler	#	0
	<b>Sürdürülebilirlik odaklı Ar-Ge ve inovasyon oranı (%)</b>	%	100%
	<b>Sustainability focused R&amp;D and Innovation Investments</b>	TL	823,208
	<b>R&amp;D and Innovation Investments</b>	TL	823,208
	<b>Environmental Investments</b>	TL	<b>14,806,134</b>
	Transition	TL	14,806,134

## Appendix-2: Akçansa 2020 Sustainability Data Table - Reporting Guidance (“Reporting Guidance”)

This reporting guidance (“Guidance”) provides information on the data preparation and reporting methodologies of indicators within the scope of the limited assurance in the 2020 Akçansa Çimento A.Ş. (“Akçansa”, “Company”) Sustainability Data Table (“2020 Sustainability Data Table”).

These indicators are; **social indicators** (*occupational health and safety, female employee distribution*), **environmental indicators** (*energy consumption, water consumption, waste management, scope 1, 2 and 3 emissions*) and **economic indicators** (*environmental investments and expenditures, social investments, sustainable business model*). It is the responsibility of the Company’s management to ensure that appropriate procedures are in place to prepare the indicators mentioned above in line with, in all material respects, the Guidance.

The data included in this guideline is for the FY 20 (1 January – 31 December 2020), fiscal year ended December 31, 2020, and as detailed in the “Key Definitions and Reporting Scope” section comprises only the relevant operations of the Company that are the responsibility of the Company by excluding information about subcontractors.

### General Reporting Principles

In preparing this guidance document, consideration has been given to following principles:

- Information Preparation – to highlight to users of the information the primary principles of relevance and reliability of information; and
- Information Reporting – to highlight the primary principles of comparability / consistency with other data including prior year and understandability / transparency providing clarity to users.

### Key Definitions and Reporting Scope

For the purpose of this report, the Company defines:

Type	Indicator	Scope
Social Indicators	<b>Occupational Health and Safety</b>	
	Total Working Hours	It refers to the total working hours during the reporting period.
	Number of Incidents	This indicator indicates total number of work incidents occurred during the reporting period.
	Number of Fatalities	This indicator reflects the number of incidents resulted in one or more deaths, occurred during the reporting period.



	Number of Occupational Diseases	This indicator reflects total number of occupational diseases that refer temporary or permanent illness, physical or mental disability, which occur due to the nature of the work, or the operating conditions of the business.
	Injury-related Absenteeism	This indicator refers absenteeism as a result of incidents that are machine/equipment collision, uncontrolled material movement, cutting with blades, getting stuck between machine equipment, falling/sliding/ tripping, car crashes, landings, rubbing, getting stuck between car and equipment, resulting loss of working days.
	Lost Day Rate (LDR)	This indicator means the rate of lost workdays due to work incidents during the reporting period.
	Total Number of Employees	This indicator means the total number of employees working in the Company during the reporting period.
	Female Employees' Rate	This indicator means the ratio of the total number of female employees of the Company to the total number of employees during the reporting period.
Environmental Indicators	<b>Energy Consumption</b>	
	Natural Gas Consumption (m <sup>3</sup> )	It refers to the total natural gas purchased during the reporting period and used in operations that require heating, kitchens and other natural gas at the relevant locations. It is reported in MWh on a consolidated basis.
	Diesel Consumption (l)	It refers to the amount of fuel (volume - l) of generator fuel, forklift fuel and diesel fuel purchased and used in vehicles owned by the Company in the reporting period. It is reported in MWh on a consolidated basis.
	Coal (tones)	It refers to the amount of domestic and imported coal (weight – tons) purchased during the reporting period and used for production and/or heating at the relevant locations.
	Fuel-Oil (l)	It refers to the total fuel oil purchased during the reporting period and used in operations for heating purposes at the relevant locations.

	Other	It refers to petcoke, waste oil, waste tire, waste-derived fuel (RDF) and waste sludge, which were purchased and consumed at the relevant locations during the reporting period.
	Electricity Consumption (kWh)	It refers to the total amount of electrical energy purchased during the reporting period and used in air conditioning, lighting, use of electrical appliances and other electricity-requiring operations. It is reported in MWh on a consolidated basis.
	Renewable Energy Consumption (MWh)	This represents the Company's renewable energy consumption figures by the end of the reporting period.
	<b>Greenhouse Gas Density (tCO<sub>2</sub>-e / TL revenues)</b>	It means greenhouse gas emissions per TL within the reporting period.
	<b>Energy Density (MWh / TL revenues)</b>	It means total energy consumption per TL revenues within the reporting period.
	<b>Share of Renewable Energy Consumption in Total Energy Consumption</b>	It represents the ratio of the Company's electricity consumption from renewable energy sources purchased during the reporting period to the total electricity consumption.
	<b>Total Annual Kilometers of Air Travel Made for the purpose of Business (km)</b>	It means the total kilometers of air travels made by the Company employees during the reporting period.
	<b>Total Annual Kilometers of Personnel Services (km)</b>	It means the total kilometers covered by the services provided for the Company employees during the reporting period.
	<b>Greenhouse Gas Emissions (ton CO<sub>2</sub>e)</b>	

	Direct (Scope 1) Greenhouse Gas Emissions (tCO <sub>2</sub> e)	It refers to the greenhouse gas emission caused by the use of natural gas, diesel, gasoline consumption, R22 and refrigerant gases and fire extinguishing devices at the relevant locations of the Company during the reporting period.
	Energy-related Indirect (Scope 2) Greenhouse Gas Emissions (tCO <sub>2</sub> e)	It refers to the greenhouse gas emission caused by the consumption of electrical energy purchased at the relevant locations of the Company during the reporting period.
	Other Indirect (Scope 3) Greenhouse Gas Emissions (tCO <sub>2</sub> e)	It refers to the greenhouse gas emissions caused by the flight travels of the Company employees and personnel services during the reporting period.
	<b>Water Consumption</b>	
	Total Water consumption(m <sup>3</sup> )	This indicator reflects the total water withdrawal by source (volume – m <sup>3</sup> ) at the relevant locations of the Company during the reporting period.
	Total Amount of Discharged Water (m <sup>3</sup> )	This indicator reflects the total water discharge by source (volume – m <sup>3</sup> ) at the relevant locations of the Company during the reporting period.
	<b>Waste</b>	
	Percentage of waste reused and recycled	It represents the ratio of the amount of waste recycled in the reporting period to the total amount of hazardous and non-hazardous waste.
	Hazardous Waste	It means the amount of hazardous waste where the Company's operations take place during the reporting period.
	Non-Hazardous Waste	It means the amount of non-hazardous waste where the Company's operations take place during the reporting period.
	Amount of recycled waste (ton)	It means the amount of waste recycled at the locations where the Company's operations take place during the reporting period.

Economic Indicators	<b>Sustainable Business Model</b>	
	Number of Sustainable Products and Services (#)	It refers to the number of mitigation (Products that directly reduce resource use or carbon emissions. Includes activities that are considered unquestionably sustainable.) and enabler

		(Products that are not considered as direct source/carbon emission reduction activities, but facilitate the dissemination of related technologies.) products and services offered by the Company during the reporting period that provide environmental and social benefits.
	Sustainable Product and Service Revenues (TL)	It refers to the income obtained from the products and services offered by the Company during the reporting period, which provide environmental and social benefits, and have a mitigation and enabler nature.
	R&D and Innovation Investments (TL)	It refers to the R&D and innovation investments of the Company made during the reporting period.
	Ratio of sustainability-focused R&D and Innovation activities (%)	It refers to the ratio of sustainability-focused R&D and innovation investments in the Company's total R&D and innovation investment during the reporting period.
	Sustainability focused R&D and Innovation Investments (TL)	It refers to the sustainability focused R&D and innovation investments of the Company made during the reporting period.
Economic Indicators	<b>Environmental Investments &amp; Expenditures</b>	
	Environmental Investments (TL)	It refers to the mitigation (Products that directly reduce resource use or carbon emissions. Includes activities that are considered unquestionably sustainable.) and enabler (Products that are not considered as direct source/carbon emission reduction activities, but facilitate the dissemination of related technologies.) environmental investments carried out by the Company during the reporting period that provide environmental and social benefits.
	Environmental Expenditures (TL)	It refers to expenditures that are legally required and not legally required in the reporting period.

## **Data Preparation**

### **Social Indicators**

#### *Occupational Health and Safety (OHS) Indicators*

The following definitions and formulas are used in the calculation of occupational health and safety indicators.

In the reporting period, the incidents recorded by the Company, occupational accidents, fatalities among these accidents, and the number of employees reported as occupational diseases were evaluated.

The number of incidents means the total number of work incidents. It was followed by the tables that list the Social Security Institution declarations.

No occupational disease or fatalities was encountered during the relevant period.

#### *Formulas:*

Lost Days Rate = Accidental Absence / Total Working Hours \* 200,000

#### *Female Employees' Rate Data*

The following definitions and formulas are used in the calculation of female employee's rate indicators. The relevant data required for the calculation of Total Number of Employees and Female Employees' Rate have been created as of December 31, 2020, from the "Employee List Report" to include the following information on gender, position and educational status.

The total number of employees represents the total number of employees that the companies have as of the end of the reporting year and that are based on the information included in the annual reports or human resources systems published as of 31 December 2020.

#### *Formulas:*

Female Employees's Rate = Number of Female Employees / Total Number of Employees

### **Environmental Indicators**

#### *Energy Consumption*

Within the scope of energy consumption data; electricity, natural gas, diesel, coal and fuel oil are reported as primary fuel sources.

Electricity consumption data is obtained from the meters and bills of the service providers. Diesel consumption data is obtained from service providers' invoices for generators and vehicles belonging to the Company.

The company's energy resources calorific values are shared in the table below. The calorific values in the Emission Verification Reports reported to the Ministry of Environment for 2020 are taken as a basis. It uses the formulas listed below along with these values:

- Since the electricity supply unit is billed in kWh, a conversion factor of 1 kWh=0.0036 GJ is used for conversion to GJ;
- Since Imported Coal and Domestic Coal supply unit is reported in tons, conversion factor of [1ton \* (Net Calorific value) GJ/ton] /1000 is used in conversion to TJ;
- Since the natural gas supply unit is billed in m<sup>3</sup>, a conversion factor [1m<sup>3</sup> \* (Net Calorific Value) GJ/m<sup>3</sup>]/1000 is used;
- Since the diesel supply unit is reported in liters, the conversion factor [1l \* (Net Calorific value) GJ/l] /1000 is used in the conversion to TJ;
- Since the fuel-oil supply unit is reported in liters, the conversion factor [1l \* (Net Calorific value) GJ/l] /1000 is used in the conversion to TJ;
- Since the unit of consumption of petroleum coke, waste oil, waste tire, waste-derived fuel (RDF) and waste sludge, which are evaluated within the scope of other fuels, is reported in tons, in conversion to TJ [1l \* (Net Calorific Value) GJ/l] /1000 conversion factor is used;
- Since the unit of all fuel consumption is reported as MWh, a conversion factor of 1GJ=0.277777 MWh is used for conversion to GJ.

#### *Other Energy Consumption Data*

Other energy sources within the scope of environmental performance data include petroleum coke, waste oil, waste tire, waste-derived fuel (RDF) and waste sludge resources. The carbon factors used for emission calculations are shown in the Emission Factors – Scope 1 Primary Fuel Sources table.

#### *Greenhouse Gas and Energy Intensity (tCO<sub>2</sub>-e / TL)*

Greenhouse gas intensity was calculated by dividing the sum of scope 1, 2 and 3 emissions by the total TL revenues in the reporting period.

Energy intensity was calculated by dividing the total energy consumption by the total TL revenues in the reporting period.

Total TL income refers to the total comprehensive income figure of the Company as of the end of the reporting year, which is stated in the Akçansa Annual Report published as of 31.12.2020.

#### *Formulas:*

Greenhouse Gas and Energy Intensity = tCO<sub>2</sub>-e / Revenues in TL

Energy Intensity = Total energy consumption / Revenues in TL

### *Share of Renewable Energy Consumption in Total Energy Consumption*

Renewable energy consumption refers to the electrical energy obtained from the waste heat generated during the production process and the energy gained from the wind turbine. The electrical energy obtained from the waste, T.C. It represents the data reported to the Ministry of Energy and Natural Resources.

#### *Formulas:*

Share of Renewable Energy Consumption in Total Energy Consumption = Renewable Energy Consumption/Total Energy Consumption

### *Total Annual Kilometers of Air Travels for the purpose of Business*

the total kilometers covered by the services provided for the Company employees during the reporting period is calculated based on the ticket and track list shared by the tourism agency that the Company works with.

### *Total Annual Kilometers of Personnel Services*

The data regarding the total kilometers covered by the services provided for the Company employees during the reporting period were shared by the service provider.

### *Greenhouse Gas Emissions*

Scope 1, Scope 2 and Scope 3 emissions have been calculated in accordance with ISO 14064-1, with the principle of operational control within the framework of the "Greenhouse Gas Protocol: Corporate Accounting and Reporting Standard".

Carbon Dioxide Emission and Energy Inventory provided by the World Business Council for Sustainable Development – Cement Sustainability Initiative (WBCSD) for scope 1 and scope 2 emission calculations – Cement Carbon Dioxide and Energy Protocol Version 3.04 (WBCSD Cement) Calculated using the Sustainability Initiative Cement CO<sub>2</sub> and Energy Protocol, Version 3.04 up, CO<sub>2</sub> Emissions and Energy Inventory).

For Scope 3 calculations, the Mobile Combustion Greenhouse Gas Emissions Calculation Tool Version 2.6 (Mobile Combustion GHG Emissions Calculation Tool Version 2.6 – GHG Protocol) provided by the Greenhouse Gas Protocol was used. Since the type of fuel used for personnel services is diesel, the mobile combustion-diesel carbon factor was used.

### *Water Consumption*

Consumption data for the total water withdrawal and water discharge indicators are obtained by dividing the unit price over the TL amount of the service providers' invoices. Within the scope of this criterion, the total consumption used as mains water is evaluated as discharged water.

### *Waste*

Hazardous wastes are defined as wastes containing substances that are dangerous for human health and the environment and that have the potential to be harmful, while non-hazardous wastes are defined as wastes that do not cause any harm to human health and the environment. The total amount of hazardous waste and non-hazardous waste is tracked through the waste declaration forms shared by the suppliers.

The amount of recycled waste refers to the amount of waste that goes to the Company's landfill/solid waste site or is recycled by itself or another organization, recovered for energy purposes and reused. It is followed through the waste declaration forms shared by the providers.

#### *Formulas:*

Reused / recycled waste ratio = Amount of Recycled Waste / (Total Hazardous Waste + Total Non-Hazardous Waste)

### **Economic Indicators**

The following definitions and formulas are used in the calculation of economic indicators.

#### *Sustainable Business Model*

The number of sustainable products and services consists of 26 products and services, which are considered as transition products.

Transition products refer to cement types that are included in the scope of products related to the reduction of environmental resource use / carbon emissions in technologies and activities that are not considered sustainable by nature.

The Amount of Sustainable Product and Service Revenues represents the Company's revenues from the products and services covered by the above-mentioned sustainable products and services.

Revenues from products and services were obtained through product-based sales lists, and total revenue from related product types was reported within the scope of this indicator.

The total amount reported within the scope of R&D and innovation investment consists of the investments made within the approved budget of the Company.

The total amount reported within the scope of sustainability-focused R&D and innovation investment represents the sustainability-focused investments included in the Company's approved R&D and innovation investment budget.

#### *Formulas:*

Ratio of sustainability focused R&D and innovation activities = Sustainability focused R&D and innovation investments / Total R&D and innovation expenditures

#### *Environmental Investments and Expenditures*

This indicator covers the environmental investments and expenditures of the Company during the reporting period. Environmental investments are reported as transition investments.



The total amounts reported in these indicators are constituted by the expenditures made within the approved budget of the Company. The said expenditures include investment projects in Büyükçekmece, Ladik and Çanakkale Plants, as well as Ambarlı and Yalova locations as transition investments.

### **Restatement**

The measuring and reporting of sustainability-related data inevitably involves a degree of estimation. Restatements are considered where there is a change in the data of greater than 5 percent at the Company level.