Investor CDP 2014 - ÇİMSA ÇİMENTO SANAYİ VE TİCARET A.Ş.

Module: Introduction

Page: Introduction

CC0.1

Introduction

Please give a general description and introduction to your organization.

Çimsa, one of the leading companies of Turkish industry, was stablished in 1972. Currently Çimsa is carrying out its operations with its 5 integrated cement plants in Mersin, Eskişehir, Kayseri, Niğde and Afyonkarahisar, a grinding facility in Ankara, Cement Packing facility in Marmara terminal and Cement Packaging facility in Malatya.

Çimsa has also operations in ready mixed concrete and aggregates sectors.

As one of the first three brands in the world in white cement, Çimsa is an international cement manufacturer with its terminals.

ÇİMSA meets the product and service needs of its customers in full and in a timely manner with its market-oriented approach and wide distribution network. As a reliable business partner of its shareholders, Çimsa provides the required materials for living areas, and their infrastructures, reaching to next generations.

Çimsa, by manufacturing special type cements like white cement and calcium aluminate cement besides grey cement, leads the Turkish cement and building this approach in the future as well

CC0.2

Reporting Year

Please state the start and end date of the year for which you are reporting data.

The current reporting year is the latest/most recent 12-month period for which data is reported. Enter the dates of this year first.
We request data for more than one reporting period for some emission accounting questions. Please provide data for the three years prior to the current reporting year if you have not provided this information before, or if this is the first time you have answered a CDP information request. (This does not apply if you have been offered and selected the option of answering the shorter questionnaire). If you are going to provide additional years of data, please give the dates of those reporting periods here. Work backwards from the most recent reporting year.
Please enter dates in following format: day(DD)/month(MM)/year(YYYY) (i.e. 31/01/2001).

Enter Periods that will be disclosed
Tue 01 Jan 2013 - Tue 31 Dec 2013

CC0.3
Country list configuration

Please select the countries for which you will be supplying data. This selection will be carried forward to assist you in completing your response.

Select country
Turkey

CC0.4
Currency selection

Please select the currency in which you would like to submit your response. All financial information contained in the response should be in this currency.

TRY

CC0.6
Modules
As part of the request for information on behalf of investors, electric utilities, companies with electric utility activities or assets, companies in the automobile or auto component manufacture sectors, companies in the oil and gas industry, companies in the information technology and telecommunications sectors and companies in the food, beverage and tobacco sectors should complete supplementary questions in addition to the main questionnaire.
If you are in these sectors (according to the Global Industry Classification Standard (GICS)), the corresponding sector modules will not appear below but will automatically appear in the navigation bar when you save this page. If you want to query your classification, please email respond@cdp.net.
If you have not been presented with a sector module that you consider would be appropriate for your company to answer, please select the module below. If you wish to view the questions first, please see https://www.cdp.net/en-US/Programmes/Pages/More-questionnaires.aspx.

Further Information

Module: Management

Page: CC1. Governance

CC1.1
Where is the highest level of direct responsibility for climate change within your organization?

Individual/Sub-set of the Board or other committee appointed by the Board

CC1.1a
Please identify the position of the individual or name of the committee with this responsibility

Climate Change is the most important subject in sustainability management at Çimsa.
The sustainability performance and the targets are managed by a Sustainability Committee with the leadership of the General Manager in three months period. The asisstant general manager of sustainability is responsible for leading, monitoring and managing the sustainability committee and the action plans taken by the committee.

CC1.2
Do you provide incentives for the management of climate change issues, including the attainment of targets?

Yes

CC1.2a

Please provide further details on the incentives provided for the management of climate change issues

Who is entitled to benefit from these incentives?	The type of incentives	Incentivized performance indicator
Board/Executive board	Monetary reward	KPIs: Energy reduction per ton of clinker, reducing the use of fossil fuels by increasing the use of alternative fuels, increase clinker cement ratio which directly affects the GHG emissions because of the clinker incorporation rate, increase the use of alternative raw materials instead of natural additives.
Environment/Sustainability managers	Monetary reward	KPIs: reducing the use of fossil fuels by increasing the use of alternative fuels, increase the use of alternative raw materials instead of natural additives.
Facility managers	Monetary reward	KPIs: Energy reduction per ton of clinker, reducing the use of fossil fuels by increasing the use of alternative fuels, increase clinker cement ratio which directly affects the GHG emissions because of the clinker incorporation rate, increase the use of alternative raw materials instead of natural additives.

Further Information

Page: CC2. Strategy

CC2.1

Please select the option that best describes your risk management procedures with regard to climate change risks and opportunities

Integrated into multi-disciplinary company wide risk management processes

CC2.1a

Please provide further details on your risk management procedures with regard to climate change risks and opportunities

Frequency of monitoring	To whom are results reported	Geographical areas considered	How far into the future are risks considered?	Comment
Six-monthly or more frequently	Individual/Sub-set of the Board or committee appointed by the Board	Turkey	1 to 3 years	

CC2.1b

Please describe how your risk and opportunity identification processes are applied at both company and asset level

In Çimsa, risks are assessed and monitored in a wide range of categories such as operational, environmental, compliance, competition, financial, sustainability, crisis management, etc. Our enterprise risk management process contains climate change risks integrated into the overall risk management activities.

CC2.1c

How do you prioritize the risks and opportunities identified?

In order to keep our risk assessments up-to-date, a workshop is held yearly and top management review Çimsa's risk map. They evaluate risks that company face, which consists of 135 identified risks in 2014, in terms of their probability and impact and then prioritize them. After identification of critical risks, KRIs, their limits and responsible departments are set for monitoring purposes. These risks are monitored monthly and action plans are followed accordingly. Results are shared with a committee which has members from the board.

CC2.2

Is climate change integrated into your business strategy?

Yes

CC2.2a

Please describe the process of how climate change is integrated into your business strategy and any outcomes of this process

Climate change is integrated into our company's overall business strategy. Sustainability is one of the four main strategic objectives of the Company and it takes part in the Companys Mission. Climate change performance is followed as part of this objective.

Our Key Performance Indicators (KPIs) to follow up the climate change performance are alternative fuel rate, electricity consumption, clinker/cement ratio, kiln heat consumption, kgCO2/ton clinker and absolute gross CO2 values.
They are followed at plant level individually, and consolidated for annual reporting at Çimsa Group level. This KPIs are keys to input in modelling for future scenarios.

Our strategy for climate change related initiatives are:

Waste Heat Recuperation (WHR) investments
Increasing the use of alternative fuels
Improving energy efficiency and process technology
Reduction in clinker/cement factor
Cooperation with national and local authorities on environmental issues
Stakeholder engagement

CC2.3

Do you engage in activities that could either directly or indirectly influence public policy on climate change through any of the following? (tick all that apply)

Direct engagement with policy makers

CC2.3a

On what issues have you been engaging directly with policy makers?

Focus of legislation	Corporate Position	Details of engagement	Proposed legislative solution
Mandatory carbon reporting	Support with minor exceptions	The mandatory carbon reporting regulation in Turkey came into the force 17th of May 2014. The carbon monitoring plans will be prepared and submitted to Ministry of Environment by our cement plants until September 2014.	

CC2.3h

What processes do you have in place to ensure that all of your direct and indirect activities that influence policy are consistent with your overall climate change strategy?

Our company strategy is to track the environmental legislation of climate change continuously and attend platforms such as, Climate Change Committees of Ministry of Environment, TÇMB (Turkish Cement Manufacturers Association) and IMSAD.
Also Çimsa becomes the first Turkish company joining Cement Sustainability Initiative (CSI). As sustainability commitee members, we take part in task forces of CSI since 2013.

Further Information

Page: CC3. Targets and Initiatives

CC3.1

Did you have an emissions reduction target that was active (ongoing or reached completion) in the reporting year?

Intensity target

CC3.1b

Please provide details of your intensity target

ID	Scope	% of emissions in scope	% reduction from base year	Metric	Base year	Normalized base year emissions	Target year	Comment

ID	Scope	% of emissions in scope	% reduction from base year	Metric	Base year	Normalized base year emissions	Target year	Comment
Int1	Scope 1	100%	2%	Other: kg CO2/ton clinker	2007	2007	2014	The 2013 value is 867 kg CO2/ton clinker.

CC3.1c

Please also indicate what change in absolute emissions this intensity target reflects

ID	Direction of change anticipated in absolute Scope 1+2 emissions at target completion?	% change anticipated in absolute Scope 1+2 emissions	Direction of change anticipated in absolute Scope 3 emissions at target completion?	% change anticipated in absolute Scope 3 emissions	Comment
Int1	Increase	29	No change	0	The increase of the absolute emission target is because of the Eskişehir Cement Plant has joined Cimsa in 2008.

CC3.1d

For all of your targets, please provide details on the progress made in the reporting year

ID	% complete (time)	% complete (emissions)	Comment
Int1	87%	100%	Our 2013 target value is 867 kg CO2/ton clinker. 2014 target is to reduce this intensity value %0,5 by the year 2013.

CC3.2

Does the use of your goods and/or services directly enable GHG emissions to be avoided by a third party?

Yes

CC3.2a

Please provide details of how the use of your goods and/or services directly enable GHG emissions to be avoided by a third party

Çimsa Eskişehir Plant is disposing industrial waste (RDF) about 40.000 tonnes per year. This co-processing contributes in third parties to minimize their negative impact on the environment such as decreasing GHG emissions generated from waste landfilling.

Çimsa puts forth the sustainable product approach with the environmental products having less GHG emissions due to less clinker amount. On the other hand our innovative products which has high isolation capability gives rise to energy efficiency which generates low GHG emissions.

CC3.3

Did you have emissions reduction initiatives that were active within the reporting year (this can include those in the planning and implementation phases)

Yes

CC3.3a

Please identify the total number of projects at each stage of development, and for those in the implementation stages, the estimated CO2e savings

Stage of development	Number of projects	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation		
To be implemented*		

Stage of development	Number of projects	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Implementation commenced*		
Implemented*	3	37000
Not to be implemented		

CC3.3b

For those initiatives implemented in the reporting year, please provide details in the table below

Activity type	Description of activity	Estimated annual CO2e savings (metric tonnes CO2e)	Annual monetary savings (unit currency - as specified in CC0.4)	Investment required (unit currency - as specified in CC0.4)	Payback period	Estimated lifetime of the initiative, years	Comment
Low carbon energy purchase	Eskişehir Plant RDF Pre-Treatment Facility: Çimsa Eskişehir Cement Plant started its energy recycling works first in 2008 by using alternative fuel in its numbered 1 rotary kiln. With works done later on, license to use alternative fuel in numbered 2 rotary kiln was obtained from the ministry also. In 2010, alternative fuel rate was increased with intense works, research and feasibility works towards new systems increased for ensuring energy by feeding alternative fuels with	13000	2550000	22700000	4-10 years	20 years	Wastes like II. Category waste oils, Refused Derived Fuel (RDF), End of Life Tire Feeding are used as alternative fuels in our Eskişehir Cement Plant. With contribution of using %25 alternative fuels we saved 13.000 tonnes of CO2 in 2013.

Activity type	Description of activity	Estimated annual CO2e savings (metric tonnes CO2e)	Annual monetary savings (unit currency - as specified in CC0.4)	Investment required (unit currency - as specified in CC0.4)	Payback period	Estimated lifetime of the initiative, years	Comment
	automatic systems homogenously. Lastly, it was decided to construct Hot Disc system which is rarely found in the world at Çimsa Eskişehir Plant. Construction of this system started at the last quarter of 2010 and the system was put to use in the first months of 2011. With the aim to have alternative fuels not affect the process in the rotary kiln and to obtain more productivity, RDF Pre-Treatment facility was built in front of the Hot Disc system.						

Activity type	Description of activity	Estimated annual CO2e savings (metric tonnes CO2e)	Annual monetary savings (unit currency - as specified in CC0.4)	Investment required (unit currency - as specified in CC0.4)	Payback period	Estimated lifetime of the initiative, years	Comment
Energy efficiency: Processes	The 'Waste Heat Recoverry System' that started in 2011 has been put to use in April 2012 and electricity production started. Total investment cost of the project is 22.5 million dollars. With this project, the waste gas coming from 1st and 2nd facility production lines are aimed to be transformed to electricity and generate 50% of the electricity spend in these two lines.	24000	7000000	39000000	4-10 years	20 years	32 million kWh /year electricity is produced from the facility put to use on April 2012. In CO2 oscillation in 2012 15.850 tons decrease has been obtained.

CC3.3c

What methods do you use to drive investment in emissions reduction activities?

Method	Comment
Dedicated budget for low carbon product R&D	As one of our sustainability based works, we try to direct the market towards blended cement by concentrating on sales of blended cement manufactured by recycling wastes of other industrial establishments like blast furnace slag, fly ash instead of the cement including high percentage of clinker. This way, Çimsa puts forth its sustainable product approach with its environmental products having less carbon dioxide oscillation due to less clinker amount and its product quality.
Employee engagement	Employees are one of the most important stakeholders of Çimsa. Emloyees' role in the company's reaching its sustainability objectives and in operation of product and service processes effectively and efficiently is extremely critical. With integration of sustainability, all functions helps to follow and reach the targets.

Method	Comment
Dedicated budget for other emissions reduction activities	Technologies in production processes to be supported by innovative implementations also play a big role in energy savings. Energy Management System ISO 50001 standard ensuring a systematic approach to energy management has been integrated in our Çimsa Kayseri Plant to abolish energy losses and increasing costs. It also helps to implement processes ensuring us to understand our base energy consumption. It ensures us to form our action plans, to determine our objectives to decrease our consumption and to form energy performance indicators; to determine improvement opportunities to develop our energy performance and to record our priorities.

Further Information

Çimsa, became the first cement company in Turkey having “Environment Friendly Product Certificate” which is given by evaluation of product specifications and production processes. This certification considers each stage of the product’s life span starting from procurement of the raw material before production, all the production processes it goes through, shipment, its usage by the consumer and how the generated waste after usage is disposed.

Page: CC4. Communication

CC4.1

Have you published information about your organization’s response to climate change and GHG emissions performance for this reporting year in places other than in your CDP response? If so, please attach the publication(s)

Publication	Page/Section reference	Attach the document
In voluntary communications (underway) – this is our first year	pg 39-40	Cimsa Sustainability Report_Reportingyear2012.pdf

Further Information

Module: Risks and Opportunities

Page: CC5. Climate Change Risks

CC5.1

Have you identified any climate change risks that have the potential to generate a substantive change in your business operations, revenue or expenditure? Tick all that apply

Risks driven by changes in regulation
Risks driven by changes in physical climate parameters
Risks driven by changes in other climate-related developments

CC5.1a

Please describe your risks driven by changes in regulation

Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implications	Man m

Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implications	Man m
International agreements	Due to the delay in ratification of Kyoto Protocol, Turkish Government could not determine clearly the sectoral position. In near future, the negotiations could have driving force against national actions.	Inability to do business	1 to 3 years	Direct	Very likely	High		
Fuel/energy taxes and regulations	Due to the arising carbon emissions of electrical energy sector, the cost of upgrading the unit price of electricity could increase and as a result, it will increase the energy operating costs of ÇİMSA.	Increased operational cost	1 to 3 years	Direct	Likely	High		
Carbon taxes	Emergence of future regulations on carbon taxes and the uncertainity of the carbon price will adversely affect sales of cement.	Increased operational cost	3 to 6 years	Direct	Likely	High		

CC5.1b

Please describe your risks that are driven by change in physical climate parameters

Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implications	Mana me
Change in mean (average) temperature	With the increase of droughts, floods and average mean temperature, supply of water required for the production of the cement in plants and for the use of community next to plant could be difficult.	Inability to do business	3 to 6 years	Direct	Likely	High		

CC5.1c

Please describe your risks that are driven by changes in other climate-related developments

Risk driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated Financial Implications	Manag meth
Reputation	The cement plants are known to be the highest CO2 emitting industries. Future trends and awareness may effect the company's reputation.	Reduced stock price (market valuation)	1 to 3 years	Direct	Likely	High		

Further Information

Page: CC6. Climate Change Opportunities

CC6.1

Have you identified any climate change opportunities that have the potential to generate a substantive change in your business operations, revenue or expenditure? Tick all that apply

Opportunities driven by changes in regulation
Opportunities driven by changes in physical climate parameters
Opportunities driven by changes in other climate-related developments

CC6.1a

Please describe your opportunities that are driven by changes in regulation

Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact	Estimate financia implicatio
Other regulatory drivers	In the process of calculation Çimsa CO2 emissions, except used tyres, biomass and wastes containing biomass which are carbon-neutral as well as biomass ratio is not taken into acount in the calculations. The inclusion of the reduction of the CO2 emissions from the biomass and waste containing biomass into related regulations in Turkey.	Other: lower absolute CO2 value	1 to 3 years	Direct	Likely	Medium-high	

Opportunity driver	Description	Potential impact	Timeframe	Direct/Indirect	Likelihood	Magnitude of impact	Estimate financia implicatio
Product labeling regulations and standards	If "Product Labeling" regulations will be published by Turkish authorities, the Turkish cement sector and ÇİMSA need to be work on reducing CO2 emissions and this situation will contribute Çimsa's domestic sales and exports.	Increased stock price (market valuation)	1 to 3 years	Direct	Likely		
International agreements	With the international and national agreements, Çimsa will apply low-carbon modelling.	Investment opportunities	1 to 3 years	Direct	Likely	Medium	
International agreements	With the international agreements, CO2 reduction systems such as Waste Heat Recovery and Sewage Sludge Drying process investments will come up for Çimsa's plants.	Other: CO2 emission reduction	1 to 3 years	Direct	Likely	Medium-high	

CC6.1b

Please describe the opportunities that are driven by changes in physical climate parameters

Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implications	Ma

Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implications	Ma
Induced changes in natural resources	Induced changes in natural resources has an impact on the "Water Resources" which has gained importance wherein the conservation of resources. ÇIMSA plant operations will start to work on these issues like reduction of water consumption and cement process optimizations.	Increased production capacity	1 to 3 years	Direct	Likely	High		

CC6.1c

Please describe the opportunities that are driven by changes in other climate-related developments

Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimate financial implicatio

Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implication
Increasing humanitarian demands	Due to the construction of the new buildings under Urban Recycling Projects, brings out the environmental issues in respect to climate change. Significantly lowering total energy consumption of buildings will most likely require an increased replacement of existing buildings, which means more construction activity. Lower ecological impacts (better isolation, less noise pollution...) generates to learn to built better buildings like green buildings. At this topic, Cimsa could provide solutions by developing new sustainable products and this leeds to commercial advantages.	Increased demand for existing products/services	Up to 1 year	Direct	Likely	Medium-high	

Opportunity driver	Description	Potential impact	Timeframe	Direct/ Indirect	Likelihood	Magnitude of impact	Estimated financial implication
Reputation	The commitment for climate change will impact ÇİMSA's reputation as market rise, the increase in stock prices, the presence of cheap credit facilities from banks and to be one step ahead among the other competitors.	Increased demand for existing products/services	1 to 3 years	Direct	Likely	Medium-high	

Further Information

Module: GHG Emissions Accounting, Energy and Fuel Use, and Trading

Page: CC7. Emissions Methodology

CC7.1

Please provide your base year and base year emissions (Scopes 1 and 2)

Base year	Scope 1 Base year emissions (metric tonnes CO2e)	Scope 2 Base year emissions (metric tonnes CO2e)
Mon 01 Jan 2007 - Mon 31 Dec 2007	3474214	252589

CC7.2

Please give the name of the standard, protocol or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 emissions

Please select the published methodologies that you use
WBCSD: The Cement CO2 and Energy Protocol

CC7.2a

If you have selected "Other" in CC7.2 please provide details of the standard, protocol or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 emissions

CC7.3

Please give the source for the global warming potentials you have used

Gas	Reference
CO2	IPCC Fourth Assessment Report (AR4 - 100 year)

CC7.4

Please give the emissions factors you have applied and their origin; alternatively, please attach an Excel spreadsheet with this data at the bottom of this page

Fuel/Material/Energy	Emission Factor	Unit	Reference

Further Information

Used emission factors are attached below.

Attachments

Emission factors_2013.xlsx

Page: CC8. Emissions Data - (1 Jan 2013 - 31 Dec 2013)

CC8.1

Please select the boundary you are using for your Scope 1 and 2 greenhouse gas inventory

Equity share

CC8.2

Please provide your gross global Scope 1 emissions figures in metric tonnes CO2e

4513341

CC8.3

Please provide your gross global Scope 2 emissions figures in metric tonnes CO2e

310497

CC8.4

Are there are any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure?

Yes

CC8.4a

Please provide details of the sources of Scope 1 and Scope 2 emissions that are within your selected reporting boundary which are not included in your disclosure

Source	Relevance of Scope 1 emissions from this source	Relevance of Scope 2 emissions excluded from this source	Explain why the source is excluded
Concrete Plants	No emissions from this source	Emissions are relevant but not yet calculated	Concrete plants do not have scope 1 emissions because the transportation is outsourced. Scope 2 emissions can be calculated according to the electricity data of the concrete plants.

CC8.5

Please estimate the level of uncertainty of the total gross global Scope 1 and 2 emissions figures that you have supplied and specify the sources of uncertainty in your data gathering, handling and calculations

Scope 1 emissions: Uncertainty range	Scope 1 emissions: Main sources of uncertainty	Scope 1 emissions: Please expand on the uncertainty in your data	Scope 2 emissions: Uncertainty range	Scope 2 emissions: Main sources of uncertainty	Scope 2 emissions: Please expand on the uncertainty in your data
Less than or equal to 2%	Data Management	Operational data used for CO2 emissions calculation are mainly quantities and tonnages which are measured on site (for cement, clinker, raw materials and fuels). Even if the equipments / weighbridges are well maintained and regularly calibrated, a low uncertainty exists at site-level resulting in a very low uncertainty at Group level (< 1%).	More than 5% but less than or equal to 10%	No Sources of Uncertainty	Uncertainty linked to electricity emission factor are not under our control. Electricity consumption is measured accurately at plant level through meters; it is one of the technical performance indicators.

CC8.6

Please indicate the verification/assurance status that applies to your reported Scope 1 emissions

No third party verification or assurance

CC8.7

Please indicate the verification/assurance status that applies to your reported Scope 2 emissions

No third party verification or assurance

CC8.8

Please identify if any data points other than emissions figures have been verified as part of the third party verification work undertaken

Additional data points verified	Comment
Other: 2012 GHG Emissions	Çimsa 2012 and 2013 GRI Reports have third party assurance.

CC8.9

Are carbon dioxide emissions from biologically sequestered carbon relevant to your organization?

No

Further Information

Page: CC9. Scope 1 Emissions Breakdown - (1 Jan 2013 - 31 Dec 2013)

CC9.1

Do you have Scope 1 emissions sources in more than one country?

No

CC9.2

Please indicate which other Scope 1 emissions breakdowns you are able to provide (tick all that apply)

By facility

CC9.2b

Please break down your total gross global Scope 1 emissions by facility

Facility	Scope 1 emissions (metric tonnes CO2e)	Latitude	Longitude
Mersin Cement Plant (Grey Cement)	1241349	36.8	34.633333
Mersin Cement Plant (White Cement)	1025239	36.8	34.633333
Mersin Cement Plant (CAC-Cement)	17026	36.8	34.633333
Eskişehir Cement Plant	1140449	39.78	30.520556
Kayseri Cement Plant	712511	38.75	35.549791
Niğde Cement Plant	391462	37.947292	34.686367
Ankara Grinding Plant	268	39.971003	33.11712

Further Information

Page: CC10. Scope 2 Emissions Breakdown - (1 Jan 2013 - 31 Dec 2013)

CC10.1

Do you have Scope 2 emissions sources in more than one country?

No

CC10.2

Please indicate which other Scope 2 emissions breakdowns you are able to provide (tick all that apply)

By facility

CC10.2b

Please break down your total gross global Scope 2 emissions by facility

Facility	Scope 2 emissions (metric tonnes CO2e)
Mersin Cement Plant	154448
Eskişehir Cement Plant	72846
Kayseri Cement Plant	44420
Niğde Cement Plant	31564
Ankara Clinker Grinding Plant	7219

Further Information

Page: CC11. Energy

CC11.1

What percentage of your total operational spend in the reporting year was on energy?

More than 35% but less than or equal to 40%

CC11.2

Please state how much fuel, electricity, heat, steam, and cooling in MWh your organization has purchased and consumed during the reporting year

Energy type	MWh
Fuel	5043611
Electricity	497409
Heat	278
Steam	0
Cooling	0

CC11.3

Please complete the table by breaking down the total "Fuel" figure entered above by fuel type

Fuels	MWh
Petroleum coke	4052500
Charcoal	363056
Lignite	381944
Diesel/Gas oil	15000
Natural gas	28611
Refuse-derived fuel	108333
Waste tire derived fuels	48889
Waste oils	29722
Residual fuel oil	15556

CC11.4

Please provide details of the electricity, heat, steam or cooling amounts that were accounted at a low carbon emission factor in the Scope 2 figure reported in CC8.3

Basis for applying a low carbon emission factor	MWh associated with low carbon electricity, heat, steam or cooling	Comment
Non-grid connected low carbon electricity not owned by company, no instruments created	49013	In Cimsa Mersin Plant we produce electricity from the waste gases of 1st and 2nd production lines and generate %50 of the electricity spend in these two lines. During the reporing year, we generate 49013 MWh electricity and entirely used in our production prosesses.

Further Information

Page: CC12. Emissions Performance

CC12.1

How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to the previous year?

Increased

CC12.1a

Please identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined) and for each of them specify how your emissions compare to the previous year

Reason	Emissions value (percentage)	Direction of change	Comment
Emissions reduction activities			
Divestment			
Acquisitions			
Mergers			
Change in output			
Change in methodology		Increase	RDF Emission factor has increased in 2013 compared to 2012.
Change in boundary			
Change in physical operating conditions			
Unidentified			
Other		Increase	- Kiln heat consumption has increased at group level. - Total amount of alternative fuel has decreased this year at group level. - Total electricity amount has increased. - Due to the market demand the blended cement amount has decreased and Clinker / Cement Ratio has increased.

CC12.2

Please describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tonnes CO2e per unit currency total revenue

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Reason for change
0.005	metric tonnes CO2e	unit total revenue	5	Decrease	Total revenue has increased.

CC12.3

Please describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tonnes CO2e per full time equivalent (FTE) employee

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Reason for change
5024.8	metric tonnes CO2e	FTE employee	9	Increase	FTE has decreased.

CC12.4

Please provide an additional intensity (normalized) metric that is appropriate to your business operations

Intensity figure	Metric numerator	Metric denominator	% change from previous year	Direction of change from previous year	Reason for change
0.867	metric tonnes CO2e	unit of production	0.6	Increase	ton CO2e per tonnes of clinker production hasn't changed.

Further Information

Page: CC13. Emissions Trading

CC13.1

Do you participate in any emissions trading schemes?

No, and we do not currently anticipate doing so in the next 2 years

CC13.2

Has your organization originated any project-based carbon credits or purchased any within the reporting period?

No

Further Information

Page: CC14. Scope 3 Emissions

CC14.1

Please account for your organization's Scope 3 emissions, disclosing and explaining any exclusions

Sources of Scope 3 emissions	Evaluation status	metric tonnes CO2e	Emissions calculation methodology	Percentage of emissions calculated using primary data	Explanation
Purchased goods and services	Not evaluated				
Capital goods	Not evaluated				
Fuel-and-energy-related activities (not included in Scope 1 or 2)	Not evaluated				
Upstream transportation and distribution	Relevant, not yet calculated		CSI (Cement Sustainability Initiative) is still working on to prepare standart data collection and calculation methodology for cement sector. We will calculate emissions after finalization of this study.		
Waste generated in operations	Not evaluated				
Business travel	Not evaluated				
Employee commuting	Not evaluated				
Upstream leased assets	Not evaluated				

Sources of Scope 3 emissions	Evaluation status	metric tonnes CO2e	Emissions calculation methodology	Percentage of emissions calculated using primary data	Explanation
Downstream transportation and distribution	Relevant, not yet calculated		CSI (Cement Sustainability Inıtıatıve) is still working on to prepare standart data collection and calculation methodology for cement sector. We will calculate emissions after finalization of this study		
Processing of sold products	Not evaluated				
Use of sold products	Not evaluated				
End of life treatment of sold products	Not evaluated				
Downstream leased assets	Not evaluated				
Franchises	Not relevant, explanation provided				Çimsa does not have any franchises.
Investments	Not evaluated				
Other (upstream)	Not evaluated				
Other (downstream)	Not evaluated				

CC14.2

Please indicate the verification/assurance status that applies to your reported Scope 3 emissions

No emissions data provided

CC14.3

Are you able to compare your Scope 3 emissions for the reporting year with those for the previous year for any sources?

No, we don’t have any emissions data

CC14.4

Do you engage with any of the elements of your value chain on GHG emissions and climate change strategies? (Tick all that apply)

Yes, our suppliers

CC14.4a

Please give details of methods of engagement, your strategy for prioritizing engagements and measures of success

We are aware of importance of the team work with our suppliers to reach any success to calculate and reduce emissions.
Our starting point is to organize 'capacity enhancement ' programs with our suppliers about 'sustainability issues'.. We will give priority to our transportation service suppliers in 2014.
By the beginning of 2015 , we have aimed to reach a common understanding about our strategies and make common action plans with our transportation service suppliers.

CC14.4b

To give a sense of scale of this engagement, please give the number of suppliers with whom you are engaging and the proportion of your total spend that they represent

Number of suppliers	% of total spend	Comment

CC14.4c

If you have data on your suppliers' GHG emissions and climate change strategies, please explain how you make use of that data

How you make use of the data	Please give details
We do not have any data	

Further Information

Çimsa is working on a sector-wide scope 3 emissions calculation protocol within the framework of the WBCSD CSI.

Module: Sign Off

Page: CC15. Sign Off

CC15.1

Please provide the following information for the person that has signed off (approved) your CDP climate change response

Name	Job title	Corresponding job category
Ulku	Ozcan	Director on board

Further Information

CDP: [X][-,-][P2]

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