

SD Index

Economic Performance

SD Index - Economic Performance					GRI Standards
		SCCC Group Figure			
Index	Unit	2022	2021	2020	
Sales					
Net sales	THB Million	50,126	41,678	42,000	GRI 201-1
Input factor (cost of all goods, materials and services)	THB Million	37,398	28,272	27,464	GRI 201-1
Depreciation and amortisation	THB Million	3,728	3,893	3,925	GRI 201-1
Value Creation					
Benefit to employees	THB Million	4,824	4,255	4,455	GRI 201-1
Benefit to government (taxes)	THB Million	712	761	876	GRI 201-1
Benefit to shareholders	THB Million	2,682	2,682	2,682	GRI 201-1
Benefit to creditors	THB Million	1,090	1,238	1,374	
Retained in business	THB Million	-308	778	1,222	
Suppliers					GRI 308-1/ GRI 414-1
% of new suppliers screened with environmental and social criteria	%	70	70	70	
Government Relations					
Political contributions	THB Million	0	0	0	
Government subsidies received	THB Million	0	0	0	
Customer Relations					
Customer satisfaction surveys conducted		YES	YES	YES	

Remark

- 2020 Reporting as a Group Company (excluding Chip Mong INSEE Corporation: CMIC)
- From 2021 onward, SD data started its reporting as a Group Company (including CMIC 40 percent shared equity)

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Social Performance

SD Index - Social Performance						GRI Standards
		SCCC Group Figure				
Index	Unit	2022	2021	2020		
Number of employees	Person	4,956	4,848	4,734	GRI 102-8	
Proportion of employees by level						
Top & senior management	%	5.56	5.28	6.04		
Middle level management	%	54.41	51.90	50.85		
Other employees	%	40.03	42.82	43.35		
Portion of female employees by level					GRI 102-8	
Top & senior management	%	15.79	20.38	20.98		
Middle level management	%	20.82	22.13	20.30		
Other employees	%	5.07	5.12	6.45		
Ratio of the basic salary and remuneration of female to male					GRI 405-2	
Top & senior management	%	0.15	0.19	0.20		
Middle level management	%	0.27	0.26	0.24		
Other employees	%	0.06	0.07	0.09		
Portion of local employees	%	98.53	98.05	98.56		
Total number of new employees	Person	700	432	168		
Employee turnover	%	12.13	11.35	19.60	GRI 401-1	
Employee satisfaction survey conducted		YES	YES	-		
Training					GRI 404-1	
Average hours of training per employee	Hours	33.03	18.76	23.35		
Occupational Health and Safety					GRI 403-2	
Number of fatalities (employees, contractors and third-party)	Case	1	1	3		
Lost time injury frequency rate (employees and contractors per million man- hours)	Number	0.25	0.25	0.38		
Community Involvement					GRI 203-1/ GRI 413	
Donations, CSR and community spending	THB Million	41.6	51.0	36.7		
Stakeholder Engagement					GRI 413-1	
Needs assessments		YES	YES	YES		
Stakeholder Engagement in CSR planning		YES	YES	YES		
Stakeholder dialogues		YES	YES	YES		
Community advisory panels		YES	YES	YES		

Remark

- 2020 Reporting as a Group Company (excluding Chip Mong INSEE Corporation: CMIC)
- From 2021 onward, SD data started its reporting as a Group Company (including CMIC 40 percent shared equity)
- Headcount figures for 2021 onwards include 40 percent of the Chip Mong INSEE workforce

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Environmental Performance

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		SCCC Group Figure				
Index	Unit	2022	2021	2020		
Materials Used						
Non-renewable materials used	Million tonnes	23.2	22.9	22.8	GRI 301-1	
Renewable materials used	Million tonnes	1.3	1.9	1.0	GRI 301-1	
Environmental Investments and Compliance						
Total environmental protection expenditures and investments	THB Million	67.0	47.8	39.1	GRI 307-1	
Non-compliance cases	Number of case	0	0	3	GRI 307-1	
Significant fines for non-compliance with environmental laws	THB Million	0.00	0.00	0.45	GRI 307-1	
Energy						
Total energy consumption within the organization	MJ/tonne clinker	3,363	3,256	3,241	GRI 302-3	
Total electricity consumption	kWh/tonne cement	89.4	87.1	86.7	GRI 302-3	
Alternative fuel thermal substitution rate	%	15.9	11.6	11.3		
Total alternative fuel consumption	tonnes	429,502	354,505	318,012		
Renewable electricity consumption	%	22.0	19.5	17.4		
CO₂ Emissions						
Gross direct (Scope 1) GHG emission	Million tonnes CO ₂	11.0	10.95	10.90	GRI 305-1	
Specific net CO ₂ emissions	kg CO ₂ /tonne cementitious material	607	616	622		
Clinker factor	%	74.3	74.4	73.8		
Other Atmospheric Emissions						
NO _x	grams/tonne cementitious material	842	*853	*851	GRI 305-7	
SO ₂	grams/tonne cementitious material	74	*49	*34	GRI 305-7	
Particulate matter	grams/tonne cementitious material	45	*37	*36	GRI 305-7	
Water						
Total water withdrawal	Megaliters	5,128	5,393	5,577	GRI 303-3	
Surface water withdrawal	Megaliters	2,071	1,945	1,756	GRI 303-3	
Groundwater withdrawal	Megaliters	2,669	3,047	3,347	GRI 303-3	
Third-party water withdrawal	Megaliters	388	401	404	GRI 303-3	
Specific water consumption	litre/tonne cement product	293	264	307		

Remark

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- SCCC Group is planning for 3rd party assurer to assure environmental data report
- * Reconsolidated data

GCCA index				
		SCCC Group Figure		
Index	Unit	2022	2021	2020
Production				
Cement production	Mt/yr	17,711,988	16,980,690	16,087,715
Cementitious products	Mt/yr	17,496,547	17,325,828	17,065,410
Clinker production	Mt/yr	12,943,451	12,976,952	12,854,004
Specific heat consumption for clinker production	MJ/tonne clinker	3,363	3,256	3,241
Alternative and biomass fuel thermal substitution rate	%	15.9	11.6	11.3
Alternative fuel rate (kiln fuels)	%	11.5	8.0	8.6
Biomass fuel rate (kiln fuels)	%	4.4	3.6	2.7
Clinker/cement factor	%	74.3	74.4	73.8
SEEC	kWh/tonne cement product	89.4	87.1	86.7
Material used				
Alternative fuel and biomass fuel	t/y	429,502	354,505	318,012
Alternative Raw Materials rate (% ARM)	%	7.0	6.6	4.9
Slag	t/y	637,088	505,653	544,748
Fly ash	t/y	428,894	356,346	321,806
Total mineral component for cement produced	t/y	4,553,096	4,348,876	4,211,406
CO₂ emission scope 1				
Absolute CO ₂ emissions - gross	Mt/yr	11,029,884	10,950,711	10,903,633
Absolute CO ₂ emissions - net	Mt/yr	10,619,529	10,671,661	10,610,247
Specific CO ₂ emissions - gross	kg/tonne cementitious material	630	632	639
Specific CO ₂ emissions - net	kg/tonne cementitious material	607	616	622
CO₂ emission scope 2				
Specific CO ₂ emissions - net	kg/tonne cementitious material	41	42	43
Specific CO ₂ emissions - net	kg/tonne cement product	40	43	45

GCCA index				
		SCCC Group Figure		
Index	Unit	2022	2021	2020
Other atmospheric emissions				
Overall coverage rate	%	95	95	100
Coverage rate continuous measurement	%	99	99	100
PM emission	tonne	792	634	620
NO _x emission	tonne	14,740	14,781	14,528
SO ₂ emission	tonne	1,297	848	578
VOC/THC emission	tonne	390	339	105
Hg emission	kg	343	217	797
HM1 emission	kg	304	46	51
HM2 emission	kg	2,198	1,310	908
PCDD/F emission	mg	2,094	1,253	714
Specific emission of PM	g / tonne clinker	61	49	48
Specific emission of NO _x	g / tonne clinker	1,139	1,139	1,130
Specific emission of SO ₂	g / tonne clinker	100	65	45
Specific emission of VOC/THC	g / tonne clinker	30	26	8
Specific emission of Hg	mg / tonne clinker	27	17	62
Specific emission of HM1	mg / tonne clinker	24	4	4
Specific emission of HM2	mg / tonne clinker	170	101	71
Specific emission of PCDD/F	mg / tonne clinker	162	97	56
PM coverage rate	%	99	99	100
NO _x coverage rate	%	99	99	100
SO ₂ coverage rate	%	99	99	100
VOC/THC coverage rate	%	95	95	100
Hg coverage rate	%	95	95	100
HM1 coverage rate	%	95	95	100
HM2 coverage rate	%	95	95	100
PCDD/F coverage rate	%	95	95	100

GCCA INDEX



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Water				
Total water withdrawal	Megaliters	5,128	5,393	5,577
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Groundwater withdrawal	Megaliters	2,669	3,047	3,347
Third-party water withdrawal	Megaliters	388	401	404
Water consumption	Megaliters	4,222	4,486	4,934
Amount of water consumption per unit of product	litre/tonne of cementitious product	241	259	289
Biodiversity				
Percentage (%) of quarries with high biodiversity value where biodiversity management plan is implemented	%	100	100	100
Percentage (%) of quarries where rehabilitation plan is implemented	%	100	0	0
Safety				
Fatality Rate (directly employed)	Number	0	0	0
Number of fatalities (directly employed, contractors, sub-contractors, third parties)	Number	1	1	2
LTI Frequency Rate (directly employed)	Number	0.23	0.28	0
LTI Frequency Rate (contractors and sub-contractors on site)	Number	0.26	0.25	0.44
LTI Severity Rate (directly employed)	Number	3.28	0.31	0

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