



APPENDIX

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Appendix 1 External Independent Verification Statement

AA1000 Assurance Opinion Statement



INDEPENDENT ASSURANCE OPINION STATEMENT

2023 TCC Group Holdings Sustainability Report

The British Standards Institution is independent to TCC Group Holdings (hereafter referred to as TCC in this statement) and has no financial interest in the operation of TCC other than for the assessment and verification of the sustainability statements contained in this report.

This independent assurance opinion statement has been prepared for the stakeholders of TCC only for the purpose of assuring its statements relating to its sustainability report, more particularly described in the Scope below. It was not prepared for any other purpose. The British Standards Institution will not, in providing this independent assurance opinion statement, accept or assume responsibility (legal or otherwise) or accept liability for or in connection with any other purpose for which it may be used, or to any person by whom the independent assurance opinion statement may be read.

This independent assurance opinion statement is prepared on the basis of review by the British Standards Institution of information presented to it by TCC. The review does not extend beyond such information and is solely based on it. In performing such review, the British Standards Institution has assumed that all such information is complete and accurate.

Any queries that may arise by virtue of this independent assurance opinion statement or matters relating to it should be addressed to TCC only.

Scope

The scope of engagement agreed upon with TCC includes the followings:

1. The assurance scope is consistent with the description of 2023 TCC Group Holdings Sustainability Report.
2. The evaluation of the nature and extent of the TCC's adherence to AA1000 AccountAbility Principles (2018) in this report as conducted in accordance with type 1 of AA1000AS v3 sustainability assurance engagement and therefore, the information/data disclosed in the report is not verified through the verification process.

This statement was prepared in English and translated into Chinese for reference only.

Opinion Statement

We conclude that the 2023 TCC Group Holdings Sustainability Report provides a fair view of the TCC sustainability programmes and performances during 2023. The sustainability report subject to assurance is free from material misstatement based upon testing within the limitations of the scope of the assurance, the information and data provided by the TCC and the sample taken. We believe that the performance information of Environment, Social and Governance (ESG) are fairly represented. The sustainability performance information disclosed in the report demonstrate TCC's efforts recognized by its stakeholders.

Our work was carried out by a team of sustainability report assurers in accordance with the AA1000AS v3. We planned and performed this part of our work to obtain the necessary information and explanations we considered to provide sufficient evidence that TCC's description of their approach to AA1000AS v3 and their self-declaration in accordance with GRI Standards were fairly stated.

Methodology

Our work was designed to gather evidence on which to base our conclusion. We undertook the following activities:

- a top level review of issues raised by external parties that could be relevant to TCC's policies to provide a check on the appropriateness of statements made in the report.
- discussion with managers on approach to stakeholder engagement. However, we had no direct contact with external stakeholders.
- 28 interviews with staffs involved in sustainability management, report preparation and provision of report information were carried out.
- review of key organizational developments.
- review of the findings of internal audits.
- review of supporting evidence for claims made in the reports.
- an assessment of the organization's reporting and management processes concerning this reporting against the principles of Inclusivity, Materiality, Responsiveness, and Impact as described in the AA1000AP (2018).

Conclusions

A detailed review against the Inclusivity, Materiality, Responsiveness, and Impact of AA1000AP (2018) and GRI Standards is set out below:

Inclusivity

This report has reflected a fact that TCC has continually sought the engagement of its stakeholders and established material sustainability topics, as the participation of stakeholders has been conducted in developing and achieving an accountable and strategic response to sustainability. There are fair reporting and disclosures for the information of Environment, Social and Governance (ESG) in this report, so that appropriate planning and target-setting can be supported. In our professional opinion the report covers the TCC's inclusivity issues.

Materiality

TCC publishes material topics that will substantively influence and impact the assessments, decisions, actions and performance of TCC and its stakeholders. The sustainability information disclosed enables its stakeholders to make informed judgements about the TCC's management and performance. In our professional opinion the report covers the TCC's material issues.

Responsiveness

TCC has implemented the practice to respond to the expectations and perceptions of its stakeholders. An Ethical Policy for TCC is developed and continually provides the opportunity to further enhance TCC's responsiveness to stakeholder concerns. Topics that stakeholder concern about have been responded timely. In our professional opinion the report covers the TCC's responsiveness issues.

Impact

TCC has identified and fairly represented impacts that were measured and disclosed in probably balanced and effective way. TCC has established processes to monitor, measure, evaluate, and manage impacts that lead to more effective decision-making and results-based management within the organization. In our professional opinion the report covers the TCC's impact issues.

GRI Sustainability Reporting Standards (GRI Standards)

TCC provided us with their self-declaration of in accordance with GRI Standards 2021 (For each material topic covered in the applicable GRI Sector Standard and relevant GRI Topic Standard, comply with all reporting requirements for disclosures). Based on our review, we confirm that sustainable development disclosures with reference to GRI Standards' disclosures are reported, partially reported, or omitted. In our professional opinion the self-declaration covers the TCC's sustainability topics.

Assurance level

The moderate level assurance provided is in accordance with AA1000AS v3 in our review, as defined by the scope and methodology described in this statement.

Responsibility

The sustainability report is the responsibility of the TCC's chairman as declared in his responsibility letter. Our responsibility is to provide an independent assurance opinion statement to stakeholders giving our professional opinion based on the scope and methodology described.

Competency and Independence

The assurance team was composed of auditors experienced in relevant sectors, and trained in a range of sustainability, environmental and social standards including AA1000AS, ISO 14001, ISO 45001, ISO 14064, and ISO 9001. BSI is a leading global standards and assessment body founded in 1901. The assurance is carried out in line with the BSI Fair Trading Code of Practice.

For and on behalf of BSI:

Peter Pu, Managing Director BSI Taiwan



...making excellence a habit.™

Statement No: SRA-TW-803866

2024-06-24

Taiwan Headquarters: 2nd Floor, No. 37, Ji-Hu Rd., Nei-Hu Dist., Taipei 114, Taiwan, R.O.C.

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Independent Auditors' Limited Assurance Report

勤業眾信

勤業眾信會計師事務所
110016 台北市信義區松仁路100號24樓

Deloitte & Touche
70/F, Taipei Asian Square Plaza
No. 100, Songren Rd.,
Xinyi Dist., Taipei 110016, Taiwan

Tel: +886 (2) 2725-9988
Fax: +886 (2) 4051-6328
www.deloitte.com.tw

INDEPENDENT AUDITORS' LIMITED ASSURANCE REPORT

TCC Group Holdings Co., Ltd.

We have undertaken a limited assurance engagement on the selected performance indicators in the Sustainability Report ("the Report") of TCC Group Holdings Co., Ltd. ("the Company") for the year ended December 31, 2023.

Subject Matter Information and Applicable Criteria

See Appendix 1 for the Company's selected performance indicators ("the Subject Matter Information") and applicable criteria.

Responsibilities of Management

The management of the Company is responsible for the preparation of the Subject Matter Information in accordance with Taiwan Stock Exchange Corporation Rules Governing the Preparation and Filing of Sustainability Reports by TWSE Listed Companies, Universal Standards, Sector Standards and Topic Standards published by the Global Reporting Initiative (GRI), SASB Standards published by the Sustainability Accounting Standards Board (SASB), and the criteria specifically designed by the Company, and for such internal control as management determines is necessary to enable the preparation of the Subject Matter Information that are free from material misstatement resulted from fraud or error.

Auditors' Responsibilities

Our responsibility is to plan and conduct 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" issued by the International Auditing and Assurance Standards Board to issue a limited assurance report on whether the Subject Matter Information (see Appendix 1) is free from material misstatement. The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement and, therefore, a lower assurance level is obtained than a reasonable assurance.

We based on our professional judgment in the planning and conducting of our work to obtain evidence supporting the limited assurance. Because of the inherent limitations of any internal control, there is an unavoidable risk that even some material misstatements may remain undetected. The procedures we performed include, but not limited to:

- Inquiring of management and the personnel responsible for the Subject Matter Information to obtain an understanding of the policies, procedures, internal control, and information system relevant to the Subject Matter Information to identify areas where a material misstatement of the subject matter information is likely to arise.

- Selecting sample items from the Subject Matter Information and performing procedures such as inspection, re-calculation, re-performance, observation, and analytical procedures to obtain evidence supporting limited assurance.

Inherent Limitations

The Subject Matter Information involved non-financial information, which was subject to more inherent limitations than financial information. The information may involve significant judgment, assumptions and interpretations by the management, and the different stakeholders may have different interpretations of such information.

Independence and Quality Control

We have complied with the independence and other ethical requirements of the Norm of Professional Ethics for Certified Public Accountant in the Republic of China, which is founded on fundamental principles of integrity, objectivity, professional competence and due care, confidentiality and professional behavior.

The firm applies Standard on Quality Management 1 "Quality Management for Public Accounting Firms" issued by the Accounting Research and Development Foundation of the Republic of China, which requires the firm to design, implement and operate a system of quality management including policies or procedures regarding compliance with ethical requirements, professional standards, and applicable legal and regulatory requirements.

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 the Subject Matter Information is not prepared, in all material respects, in accordance with the applicable criteria.

Other Matters

We shall not be responsible for conducting any further assurance work for any change of the Subject Matter Information or the applicable criteria after the issuance date of this report.

Deloitte & Touche
Taipei, Taiwan
Republic of China

July 31, 2024



Independent Auditors' Limited Assurance Report

APPENDIX

SUMMARY OF SUBJECT MATTER INFORMATION

#	Subject Matter Information		Corresponding Section	Applicable Criteria
1.	Step and Action	Key Performance	Double Materiality Analysis of Sustainability Issues	GRI 3-1: 2021 Process to determine material topics
Step1	Identify stakeholders Department heads complete a survey to rank and identify key stakeholders.	Categories of stakeholders identified		
Step2	Zoom in on the sustainability issues of TCC List sustainability issues based on global trends, ratings.	25 sustainability issues cover corporate governance, economy, environment, and people and human rights		
Step3	Assess impacts of sustainability issues on the economy, environment, people and human rights Hold a workshop on material topics, invite VP-level supervisors to identify impacts, and ask each unit to send survey in Chinese and English to 10 internal/external stakeholders to capture the levels of impact.	337 questionnaires collected		
Step4	Assess impacts of sustainability issues on operation The Corporate Sustainable Development Committee and VP-level supervisors assess sustainability impacts on operation and rate the significance based on the "level of impact" and "likelihood" of respective impacts.	8 VP-level and above supervisors discussed at management meeting		
Step5	Double materiality assessment & analysis Summarize internal/external survey results, map double materiality matrix, link issues and TCC sustainability strategies, and decide material topics for 2023.	12 material topics identified by the Corporate Sustainable Development Committee		
Step6	Determine material topics Submit the 12 material topics identified to the Board of Directors to ensure these material topics are aligned with the business risks and strategies of TCC.	Submitted to the Board of Directors compliance of in sustainability and integrity		

#	Subject Matter Information	Corresponding Section	Applicable Criteria																																						
2.	<p>Energy Use in 2023</p> <p>In terms of Gigajoule (GJ)</p> <table><tr><td colspan="2">Taiwan</td></tr><tr><td>Cement Plants</td><td></td></tr><tr><td>Coal</td><td>11,577,410</td></tr><tr><td>Diesel</td><td>36,179</td></tr><tr><td>Gasoline</td><td>678</td></tr><tr><td>Purchased Electricity</td><td>1,423,590</td></tr><tr><td>Power Generation by Waste Heat Recovery</td><td>228,780</td></tr><tr><td>Total</td><td>13,266,637</td></tr><tr><td>RMC Plants</td><td></td></tr><tr><td>Diesel</td><td>15,493</td></tr><tr><td>Gasoline</td><td>5,408</td></tr><tr><td>Purchased Electricity</td><td>43,852</td></tr><tr><td>Total</td><td>64,753</td></tr><tr><td>Operations Offices</td><td></td></tr><tr><td>Diesel</td><td>53</td></tr><tr><td>Gasoline</td><td>40</td></tr><tr><td>Natural Gas</td><td>58</td></tr><tr><td>Purchased Electricity</td><td>13,524</td></tr><tr><td>Total</td><td>13,675</td></tr></table> <ul style="list-style-type: none">• The heating values of coal for the Cement Plants in Taiwan are converted per the respective settings of the plants. The converted heating value of coal for the Suao Plant: 5,532.69 kcal/kg; the converted heating value of coal for the Hoping Plant: 5,570.14 kcal/kg; the converted heating value of coal for other plants: 5,500 kcal/kg. The values for other items are converted based on the heating values in the Emissions Factor Management Table (v. 6.0.4) released on the Energy Administration's website. The values are 5,500 kcal/kg for coal, 8,400 kcal/l for diesel, 7,800 kcal/l for gasoline, 3,600 GJ/GWh for electricity, and 8,000 (kcal/m³) for natural gas.• Based on the 2023 cementitious materials yield of 4,736,970 metric tons in Taiwan, the energy consumption is 2.8007 GJ/metric ton of cementitious materials.• In Taiwan, based on a 2023 clinker production of 4,399,442 tons, the electricity consumption for cement plants was 104.33 kWh/metric ton of clinker.• Based on the 2023 concrete yield of 4,923,159.50 m³ in Taiwan, the energy consumption in concrete production is 0.01315 GJ/m³ of concrete.• The data for the Operations Offices in Taiwan includes subsidiaries and affiliated companies located within the Operation Headquarters building, as well as the foundation.• Non-renewable alternative fuels, with non-renewable alternative fuels totaling 306,646 GJ. The categories of renewable energy included renewable biomass fuels and self-generated solar power. Renewable biomass fuels, converted at 4.186 kJ per kcal, amounted to approximately 1,016,321 GJ. Self-generated solar power, converted at 3.6 GJ/kWh, amounted to approximately 10,093 GJ.	Taiwan		Cement Plants		Coal	11,577,410	Diesel	36,179	Gasoline	678	Purchased Electricity	1,423,590	Power Generation by Waste Heat Recovery	228,780	Total	13,266,637	RMC Plants		Diesel	15,493	Gasoline	5,408	Purchased Electricity	43,852	Total	64,753	Operations Offices		Diesel	53	Gasoline	40	Natural Gas	58	Purchased Electricity	13,524	Total	13,675	6.1 ESG Data Sheet	GRI 302-1: 2016 Energy consumption within the organization
Taiwan																																									
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Total	13,675																																								
3.	<p>Water Resources Use in 2023</p> <p>Unit: million liters</p> <table><tr><td colspan="5">Taiwan</td></tr><tr><td>Item</td><td>Cement Plants</td><td>RMC Plants</td><td>Operations Offices</td><td>Total</td></tr><tr><td>Municipal Water</td><td>9.31</td><td>264.10</td><td>14.23</td><td>287.64</td></tr><tr><td>Groundwater</td><td>723.95</td><td>398.73</td><td>-</td><td>1,122.68</td></tr><tr><td>Industrial Water</td><td>721.85</td><td>-</td><td>-</td><td>721.85</td></tr><tr><td>Rainwater/Spring Water</td><td>693.64</td><td>-</td><td>-</td><td>693.64</td></tr><tr><td>Discharged Reclaimed Water</td><td>73.07</td><td>-</td><td>-</td><td>73.07</td></tr></table> <ul style="list-style-type: none">• The water use data on cement plants is the sum of the reported data. The municipal water use on RMC plants is the sum of water used on the water bills, and the groundwater data is the sum of the reported data, as the water use data is subject to the actual months of water use. The municipal water use data on the Operation Headquarters is the sum of water used on the water bills.• The scope of disclosure for RMC plants is the water for which TCC holds water rights.• All the sources of water are freshwater.• TCC employed WRI's Aqueduct Water Risk Atlas to assess the future water supply Taiwan is not located in water stress areas.• The data for the Operations Offices in Taiwan includes subsidiaries and affiliated companies located within the Operation Headquarters building, as well as the foundation.	Taiwan					Item	Cement Plants	RMC Plants	Operations Offices	Total	Municipal Water	9.31	264.10	14.23	287.64	Groundwater	723.95	398.73	-	1,122.68	Industrial Water	721.85	-	-	721.85	Rainwater/Spring Water	693.64	-	-	693.64	Discharged Reclaimed Water	73.07	-	-	73.07	6.1 ESG Data Sheet	GRI 303-3: 2018 Water withdrawal			
Taiwan																																									
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Independent Auditors' Limited Assurance Report

#	Subject Matter Information	Corresponding Section	Applicable Criteria																									
4.	<div><div>Air Pollution Emissions on Cement Plants in 2023 (Taiwan)</div><div>Unit: metric ton</div><table><thead><tr><th>Item</th><th>2023</th></tr></thead><tbody><tr><td>NOx</td><td>4,923</td></tr><tr><td>SOx</td><td>97</td></tr><tr><td>VOCs</td><td>0.00424</td></tr><tr><td>Particulate Matters</td><td>168</td></tr><tr><td>Total</td><td>5,188</td></tr></tbody></table><div><ul style="list-style-type: none">The calculation method is direct measurement of emissions or calculation based on specific site data; coefficient source: Appendix 1 (Emission Coefficient of Particulate Pollutants in Industry Processes) and Appendix 3 (Lead, Cadmium, Mercury, Arsenic, Hexavalent Chromium in Industry Processes, Dioxin Emission Coefficient) of Emissions of Particulate Pollutants, Lead, Cadmium, Mercury, Arsenic, Hexavalent Chromium, and Dioxin Reported for Air Pollution Control Fees from Fixed Pollution Sources in Public and Private Places Coefficient, Control Efficiency and Other Measurement Requirements and Declaration of Fixed Pollution Sources in Public and Private Places Industry Process Emission Coefficients, Operating Unit (Including Equipment Components) Emission Coefficients, Control Efficiency and Other Measurement Requirements for Volatile Organic Compounds in Air Pollution Control Fees.Starting from the Q3 of 2018, heavy metal monitoring data was added at the request of the Ministry of Environment. The heavy metals (lead, cadmium, mercury, arsenic, and hexavalent chromium) emitted in 2023 was 0.752 metric ton.Starting from the Q4 of 2018, the cement plants in Taiwan reported mercury emissions in accordance with legal requirements. No mercury was emitted by RMC plants.The Hualien Plant did not operate in 2023 and had no air pollutant emissions.The 2023 dioxin emissions from the cement plants in Taiwan were 0.0299 g I-TEQ.The business of RMC plants was cement product ingredients mixing and transportation, thus had no air pollutant emissions.</div></div>	Item	2023	NOx	4,923	SOx	97	VOCs	0.00424	Particulate Matters	168	Total	5,188	6.1 ESG Data Sheet	GRI 305-7: 2016 Nitrogen oxides (NOx), sulfur oxides (SOx), and other significant air emissions													
Item	2023																											
NOx	4,923																											
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Particulate Matters	168																											
Total	5,188																											
5.	<div><div>Waste disposal in 2023</div><div>Unit: tons</div><table><thead><tr><th colspan="5">Taiwan</th></tr><tr><th>Operation Sites</th><th>General waste (domestic waste)</th><th>Industrial waste</th><th>Valuable metal recycling</th><th>Total</th></tr></thead><tbody><tr><td>Cement Plants</td><td>176.35</td><td>4,212.10</td><td>2,941.75</td><td>7,330.20</td></tr><tr><td>RMC Plants</td><td>178.18</td><td>1,465.15</td><td>188.75</td><td>1,832.08</td></tr><tr><td>Operations Offices</td><td>32.50</td><td>0</td><td>0</td><td>32.50</td></tr></tbody></table><div>The data for the Operations Offices in Taiwan includes subsidiaries and affiliated companies located within the Operation Headquarters building, as well as the foundation.</div></div>	Taiwan					Operation Sites	General waste (domestic waste)	Industrial waste	Valuable metal recycling	Total	Cement Plants	176.35	4,212.10	2,941.75	7,330.20	RMC Plants	178.18	1,465.15	188.75	1,832.08	Operations Offices	32.50	0	0	32.50	6.1 ESG Data Sheet	GRI 306-3 2020 Waste generated
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#	Subject Matter Information	Corresponding Section	Applicable Criteria																																														
6.	<div>Work-related Injuries of Employees<table><tr><th rowspan="2">Operation Sites</th><th colspan="3">Occupational Accidents</th><th rowspan="2">Fatality Rate</th><th rowspan="2">Rate of High-consequence Work-related Injuries</th><th rowspan="2">Rate of Recordable Work-related Injuries (TRIR)</th><th rowspan="2">Actual Working Hours</th></tr><tr><th>Fatalities</th><th>Number of High-consequence Work-related Injuries</th><th>Number of Recordable Work-related Injuries</th></tr><tr><td>Operation Headquarters</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>0</td><td>398,206</td></tr><tr><td>Plants in Taiwan</td><td>0</td><td>0</td><td>3</td><td>0</td><td>0</td><td>0.32</td><td>1,881,618</td></tr></table><ul style="list-style-type: none">Work-related injuries are based on the monthly occupational accident reports submitted by each plant.The main types of occupational injuries are entanglement, strikes, falls, and cuts.Fatality Rate = (total number of fatalities/total actual working hours) × 200,000Rate of High-consequence Work-related Injuries = (total number of high-consequence work-related Injuries - number of fatalities/total actual working hours) × 200,000Rate of Recordable Work-related Injuries = (number of recordable work-related injuries/total actual working hours) × 200,000The scope of plants in Taiwan does not include distribution stations under the RMC plants, Ho Sheng Mining, and E.G.C. Cement.Work-related Injuries of Contractors<table><tr><th rowspan="2">Operation Sites</th><th colspan="3">Occupational Accidents</th><th rowspan="2">Fatality Rate</th><th rowspan="2">Rate of High-consequence Work-related Injuries</th><th rowspan="2">Rate of Recordable Work-related Injuries (TRIR)</th><th rowspan="2">Actual Working Hours</th></tr><tr><th>Fatalities</th><th>Number of High-consequence Work-related Injuries</th><th>Number of Recordable Work-related Injuries</th></tr><tr><td>Taiwan</td><td>2</td><td>0</td><td>3</td><td>0.23</td><td>0</td><td>0.34</td><td>1,762,803</td></tr></table><ul style="list-style-type: none">Work-related injuries are based on the monthly occupational accident reports submitted by each plant.The main types of occupational injuries are entanglement, strikes, and falls.Fatality Rate = (total number of fatalities/total actual working hours) × 200,000Rate of High-consequence Work-related Injuries = (total number of high-consequence work-related Injuries - number of fatalities/total actual working hours) × 200,000Rate of Recordable Work-related Injuries = (number of recordable work-related injuries/total actual working hours) × 200,000Some actual working hours are estimated based on the number of personnel entering the plant multiplied by 8 hours.The scope of plants in Taiwan does not include distribution stations under the RMC plants, Ho Sheng Mining, and E.G.C. Cement.</div>	Operation Sites	Occupational Accidents			Fatality Rate	Rate of High-consequence Work-related Injuries	Rate of Recordable Work-related Injuries (TRIR)	Actual Working Hours	Fatalities	Number of High-consequence Work-related Injuries	Number of Recordable Work-related Injuries	Operation Headquarters	0	0	0	0	0	0	398,206	Plants in Taiwan	0	0	3	0	0	0.32	1,881,618	Operation Sites	Occupational Accidents			Fatality Rate	Rate of High-consequence Work-related Injuries	Rate of Recordable Work-related Injuries (TRIR)	Actual Working Hours	Fatalities	Number of High-consequence Work-related Injuries	Number of Recordable Work-related Injuries	Taiwan	2	0	3	0.23	0	0.34	1,762,803	6.1 ESG Data Sheet	GRI 403-9: 2018 Work-related injuries
Operation Sites	Occupational Accidents			Fatality Rate	Rate of High-consequence Work-related Injuries					Rate of Recordable Work-related Injuries (TRIR)	Actual Working Hours																																						
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Taiwan	2	0	3	0.23	0	0.34	1,762,803																																										
7.	<ul style="list-style-type: none">No work-related Ill Health.In 2023, there were no cases of work-related ill health among employees in Taiwan (excluding E.G.C.CEMENT CORP and Ho Sheng Mining Co., Ltd.).Information on work-related ill health among non-employee workers for 2023 was unavailable, thus relevant information was not disclosed.	5.4 Occupational Health&Safety 6.5/GRI Standards Reference Table	GRI 403-10: 2018 Work-related ill health																																														
8.	<ul style="list-style-type: none">The Hoping Plant has engaged a comprehensive communication and impact assessment of local communities, which accounted for 50% of the cement plants.In 2023, the Hoping Emergency Relief Fund approved 21 subsidy cases, with a total subsidy amount of NT\$550,000.TCC has introduced the Social Return on Investment (SROI) and has been accredited by Value UK in December 2021 that for every NT\$1 invested by TCC DAKA, social value worth of NT\$3.54 was generated. Please refer to TCC SROI Report for relevant information.	6.5/GRI Standards Reference Table	GRI 413-1: 2016 Operations with local community engagement, impact assessments, and development programs																																														
9.	<table><tr><th colspan="2">2023 Production (Metric Ton)</th></tr><tr><td>Clinker</td><td>Taiwan 4,399,442.26</td></tr><tr><td>Cement</td><td>4,048,125.74</td></tr><tr><td>Cementitious materials</td><td>4,736,969.65</td></tr><tr><td>280-grade concrete</td><td>4,540,188.50</td></tr><tr><td>350-grade concrete</td><td>1,891,155.45</td></tr><tr><td>420-grade concrete</td><td>894,781.65</td></tr></table>	2023 Production (Metric Ton)		Clinker	Taiwan 4,399,442.26	Cement	4,048,125.74	Cementitious materials	4,736,969.65	280-grade concrete	4,540,188.50	350-grade concrete	1,891,155.45	420-grade concrete	894,781.65	6.6 Sustainability Accounting Standards Board Reference Table	SASB EM-CM-000.A Production by major product line																																
2023 Production (Metric Ton)																																																	
Clinker	Taiwan 4,399,442.26																																																
Cement	4,048,125.74																																																
Cementitious materials	4,736,969.65																																																
280-grade concrete	4,540,188.50																																																
350-grade concrete	1,891,155.45																																																
420-grade concrete	894,781.65																																																



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#	Subject Matter Information	Corresponding Section	Applicable Criteria										
10.	Number of Significant Suppliers and Procurement Share in 2023 (Taiwan and Mainland China) <table><tr><td>Item</td><td>2023</td></tr><tr><td>Total number of Tier-1 suppliers</td><td>2,719</td></tr><tr><td>Total number and Share of significant suppliers in Tier-1</td><td>299</td></tr><tr><td>Total number of significant suppliers in non Tier-1</td><td>47</td></tr><tr><td>Total number of significant suppliers</td><td>346</td></tr></table>	Item	2023	Total number of Tier-1 suppliers	2,719	Total number and Share of significant suppliers in Tier-1	299	Total number of significant suppliers in non Tier-1	47	Total number of significant suppliers	346	6.1 ESG Data Sheet	<p>Specifically designed indicator 1:</p> <p>Supplier Screening Process 2023: Total number of Tier-1 suppliers, Total number and Share of significant suppliers in Tier-1, Total number of significant suppliers in non Tier-1, Total number of significant suppliers</p> <p>Tier-1 suppliers: Suppliers who engaged in direct transactions with the company in 2023</p> <p>Significant suppliers in Tier-1: Suppliers who engaged in direct transactions with the company in 2023, and who have a significant impact on the quality and delivery of the company's products, or whose procurement amount meets a certain threshold or proportion, or who pose a high ESG risk.</p> <p>Significant suppliers in non Tier-1: Suppliers of tier-1 significant suppliers of Tier-1 suppliers</p> <p>Significant suppliers: A Significant Supplier is one crucial to product quality and delivery, meets specific procurement amount or ratio, or poses a high ESG risk, requiring management and evaluation.</p>
Item	2023												
Total number of Tier-1 suppliers	2,719												
Total number and Share of significant suppliers in Tier-1	299												
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#	Subject Matter Information	Corresponding Section	Applicable Criteria																								
11.	<table><tr><td colspan="2">Supplier Assessment Performance and Goals for 2023</td></tr><tr><td>Supplier Assessment</td><td>2023</td></tr><tr><td>Total number of suppliers assessed (via desk assessments/on-site assessments)</td><td>301</td></tr><tr><td colspan="2">Results</td></tr><tr><td>Number of suppliers assessed with substantial actual/potential negative impacts</td><td>12</td></tr><tr><td>Number of suppliers that were terminated</td><td>1</td></tr><tr><td>Share of suppliers with agreed corrective action/improvement plan</td><td>100%</td></tr><tr><td colspan="2">Supplier corrective plan performance and targets</td></tr><tr><td>Total number of suppliers with substantial actual/potential negative impacts expected to be supported in corrective action plan implementation</td><td>11</td></tr><tr><td>Total number of suppliers supported in corrective action plan implementation</td><td>11</td></tr><tr><td colspan="2">Performance and goals of suppliers capacity building programs</td></tr><tr><td>Total number of suppliers in capacity building programs</td><td>290</td></tr></table>	Supplier Assessment Performance and Goals for 2023		Supplier Assessment	2023	Total number of suppliers assessed (via desk assessments/on-site assessments)	301	Results		Number of suppliers assessed with substantial actual/potential negative impacts	12	Number of suppliers that were terminated	1	Share of suppliers with agreed corrective action/improvement plan	100%	Supplier corrective plan performance and targets		Total number of suppliers with substantial actual/potential negative impacts expected to be supported in corrective action plan implementation	11	Total number of suppliers supported in corrective action plan implementation	11	Performance and goals of suppliers capacity building programs		Total number of suppliers in capacity building programs	290	6.1 ESG Data Sheet	<p>Specifically designed indicator 2:</p> <p>Supplier evaluation process: The number of suppliers reviewed in 2023, the number of suppliers with whom cooperation was terminated, and the number of suppliers identified as having potential/actual significant negative impact.</p> <p>Suppliers with potential/actual significant negative impact: Suppliers identified based on internal assessments as having significant actual or potential ESG negative impacts.</p>
Supplier Assessment Performance and Goals for 2023																											
Supplier Assessment	2023																										
Total number of suppliers assessed (via desk assessments/on-site assessments)	301																										
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Performance and goals of suppliers capacity building programs																											
Total number of suppliers in capacity building programs	290																										
12.		6.1 ESG Data Sheet	<p>Specifically designed indicator 3:</p> <p>Number of Suppliers Improved: The number of suppliers with potential/actual significant negative impacts in 2023 who received support for improvement plans, implemented improvement plans, and participated in capacity-building programs.</p> <p>Suppliers Receiving Improvement Plan Support: Suppliers who responded to the company's improvement notice and expressed their willingness to participate.</p> <p>Suppliers Implementing Improvement Plans: Suppliers who received the company's improvement recommendations and underwent subsequent follow-up.</p> <p>Suppliers in Capacity-Building Programs: Suppliers who responded to the company's carbon questionnaire or participated in sustainability governance workshops.</p>																								



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#	Subject Matter Information	Corresponding Section	Applicable Criteria				
13.	<div><div>Air Pollution Emissions (Taiwan)</div><div><div>Unit: Metric ton</div><table><tr><td>Item</td><td>2023</td></tr><tr><td>Mercury Emissions</td><td>0.16686</td></tr></table></div></div> <div><ul style="list-style-type: none">The calculation method is direct measurement of emissions or calculation based on specific site data; coefficient source: Appendix 1 (Emission Coefficient of Particulate Pollutants in Industry Processes) and Appendix 3 (Lead, Cadmium, Mercury, Arsenic, Hexavalent Chromium in Industry Processes, Dioxin Emission Coefficient) of Emissions of Particulate Pollutants, Lead, Cadmium, Mercury, Arsenic, Hexavalent Chromium, and Dioxin Reported for Air Pollution Control Fees from Fixed Pollution Sources in Public and Private Places Coefficient, Control Efficiency and Other Measurement Requirements and Declaration of Fixed Pollution Sources in Public and Private Places Industry Process Emission Coefficients, Operating Unit (Including Equipment Components) Emission Coefficients, Control Efficiency and Other Measurement Requirements for Volatile Organic Compounds in Air Pollution Control Fees.Starting from the Q3 of 2018, heavy metal monitoring data was added at the request of the Ministry of Environment. The heavy metals (lead, cadmium, mercury, arsenic, and hexavalent chromium) emitted in 2023 was 0.752 metric ton.Starting from the Q4 of 2018, the cement plants in Taiwan reported mercury emissions in accordance with legal requirements. No mercury was emitted by RMC plants.The Hualien Plant did not operate in 2023 and had no air pollutant emissions.The 2023 dioxin emissions from the cement plants in Taiwan were 0.0299 g I-TEQ.The business of RMC plants was cement product ingredients mixing and transportation, thus had no air pollutant emissions.</div>	Item	2023	Mercury Emissions	0.16686	6.1 ESG Data Sheet	Specifically designed indicator 4: Mercury Emissions in 2023.
Item	2023						
Mercury Emissions	0.16686						