

## GGC Performance Data

Economic						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
201-1	<b>Direct Economic Value Generated</b>					
	Sale revenues	Million baht	18,203	20,923	25,084	17,719
	Net sales plus revenues from financial investments and sales of assets	Million baht	18,325	21,075	25,200	17,669
	<b>Economic Value Distributed</b>					
	Employee wages and benefits	Million baht	343	455	523	439
	Operating cost	Million baht	17,346	794	904	670
	Payments to government: Gross taxes	Million baht	11	364	472	47
	Payments to providers of capital: Dividend payments	Million baht	250	358	614	358
	Community investments	Million baht	4,767,619	6,039,643	10,537,737	9,082,301
	Economic value retained	Million baht	376	0	22,687	16,155

Supply Chain Management						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Supply Chain					
308-1	Percentage of new suppliers that were screened using environmental criteria	% Of new suppliers	100	100	100	100
414-1	Percentage of new suppliers that were screened using social criteria	% Of new suppliers	100	100	100	100
308-1	Supplier Environmental Assessment					
	Percentage of new suppliers that were screened using environmental criteria	% Of new suppliers	100	100	100	100
414-1	Supplier Social Assessment					
	Percentage of new suppliers that were screened using social criteria	%	100	100	100	100

Customer Relation Management						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023 <sup>(1)</sup>
-	Percentage of satisfied clients	%	92	95	96	96
	Data coverage	% Of direct customers	100	100	100	100
	Target of satisfied clients at fiscal year	%	N/A	92	95	95
	Customer satisfaction results	Score	91	92	95	95
	Data coverage	% Of key clients	100	100	100	100
	Customer satisfaction target at fiscal year	% Of key clients	90	92	92	92
	Average customer engagement	%	6.9	7.3	7.4	7.4

**Remarks:**

1. Currently, GGC has a policy in place to conduct a bi-annual satisfaction survey to create CRM.

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
<b>Compliance</b>						
307-1	<b>Non-Compliance with Environmental Laws and Regulations</b>					
	Total number of violations of legal obligations/regulations	Case	0	0	0	0
	Environmental liability accrued at year end	Baht	0	0	0	0
	<b>Significant Fines</b>					
	Total number of case	Case	0	0	0	0
	Total monetary value	Baht	0	0	0	0
	<b>Non-monetary sanctions</b>					
	Total number of case	Case	0	0	0	0
	<b>Case brought through dispute resolution mechanisms</b>					
	Total number of case	Case	0	0	0	0
205-2	<b>Anti-Bribery and Corruption (ABC)</b>					
	<b>ABC has been communicated to governance body members d to governance body members</b>					
	Governance body members that the organization's anti-corruption policies and procedures have been communicated to	Person	N/A	N/A	11	11
		% Of governance body members	100	100	100	100
	<b>Total number and percentage of governance body members that the organization's anti-corruption policies and procedures have been communicated to, by region</b>					
	Rayong	Person	0	0	1	1
		% Of governance body members	0	0	9	9
	Bangkok	Person	N/A	0	10	10
		% Of governance body members	N/A	0	91	91

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Other provinces	Person	0	0	0	0
		% Of governance body members	N/A	N/A	N/A	N/A
<b>ABC has been communicated to employees</b>						
	Employees that anti-corruption policies and procedures have been communicated to	Person	N/A	268	278	279
		%	N/A	100	100	100
<b>Total number and percentage of employees that anti-corruption policies and procedures have been communicated to, by employee category</b>						
	Senior executive (VP) Top management	Person	N/A	17	17	18
		% Of employees	N/A	6	6	6
	Management (middle + entry)	Person	N/A	79	79	39
		% Of employees	N/A	29	29	14
	Non-management	Person	N/A	172	172	222
		% Of employees	N/A	64	64	80
<b>Total number and percentage of employees that anti-corruption policies and procedures have been communicated to, by region</b>						
	Rayong	Person	N/A	201	152	152
		% Of employees	N/A	75	100	54
	Bangkok	Person	N/A	67	77	78
		% Of employees	N/A	25	100	28
	Other Province	Person	N/A	0	49	49
		% Of employees	N/A	0	100	18

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	<b>ABC has been communicated to business partner</b>					
	Business partner that anti-corruption policies and procedures have been communicated to	Person	471	607	306	380
		% Of employees	100	20	100	100
	<b>Total number and percentage of business partner that anti-corruption policies and procedures have been communicated to, by type of business partner</b>					
	Contractors / Suppliers / Service Providers	Person	471	607	300	380
		% Of business partner	100	20	98	100
	Subsidiaries	Person	N/A	2	2	0
		% Of business partner	N/A	100	1	0
	Joint ventures (including stakes below 51%)	Person	N/A	1	4	0
		% Of business partner	N/A	50	1	0
	<b>Total number and percentage of business partner that anti-corruption policies and procedures have been communicated to, by region</b>					
	Rayong	Person	109	154	86	100
		% Of business partner	23	25	23.76	26.32
	Bangkok	Person	274	378	199	195
		% Of business partner	58	62	54.97	51.32
	Other provinces	Person	88	75	77	85
		% Of business partner	19	12	21.27	22.37

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
<b>Governance body members training on ABC</b>						
Governance body member training on Anti-Bribery and Corruption (ABC)	Person	N/A	N/A	11	11	
	%	N/A	N/A	100	100	
<b>Total number and percentage of governance body member training on Anti-Bribery and Corruption (ABC) by region</b>						
Rayong	Person	N/A	0	1	1	
	% Of business partner	0	0	9	9	
Bangkok	Person	N/A	0	10	10	
	% Of business partner	N/A	0	91	91	
Other provinces	Person	N/A	0	0	0	
	% Of business partner	N/A	0	0	0	
<b>Employees training on ABC</b>						
Employee training on Anti-Bribery and Corruption (ABC)	Person	N/A	268	278	279	
	%	N/A	100	100	100	
<b>Total number and percentage of employee training on Anti-Bribery and Corruption (ABC) by employee category</b>						
Senior executive	Person	N/A	17	19	18	
	% Of employee	N/A	6	6.83	6	
Management	Person	N/A	79	79	39	
	% Of employee	N/A	29	29	14	
Non-management	Person	N/A	172	172	222	
	% Of employee	N/A	64	64	80	

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	<b>Total number and percentage of employee training on Anti-Bribery and Corruption (ABC) by region</b>					
	Rayong	Person	N/A	201	152	139
		% Of employee	N/A	75	100	100
	Bangkok	Person	N/A	67	77	85
		% Of employee	N/A	25	100	100
	Other provinces	Person	N/A	0	49	55
		% Of employee	N/A	0	100	100
	<b>Code of Business Conducts: Coverage</b>					
	<b>Coverage of codes of conduct has been deployed in the past three years</b>					
	Employees	% Of total employees	100	100	100	100
	Contractors / Suppliers / Service Providers	% Of total contractors/suppliers/ service providers	100	100	100	100
	Subsidiaries	% Of total subsidiaries	100	100	100	100
	Joint ventures (including stakes below 51%)	% Of total Joint ventures	100	100	100	100
	<b>Coverage of codes of conduct written acknowledgment has been obtained in the past three years</b>					
	Employees	% Of total employees	100	100	100	100
	Contractors / Suppliers / Service Providers	% Of total contractors/suppliers/ service providers	N/A	100	100	100
	Subsidiaries	% Of total subsidiaries	100	100	100	100



## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Joint ventures (including stakes below 51%)	% Of total Joint ventures	50	50	50	50
	Coverage of codes of conduct training has been provided in the past three years					
	Employees	% Of total employees	100	100	100	100
	Contractors / Suppliers / Service Providers	% Of total contractors/suppliers/service providers	N/A	N/A	100	100
	Subsidiaries	% Of total subsidiaries	100	100	100	100
	Joint ventures (including stakes below 51%)	% Of total Joint ventures	50	50	50	50
206-1	Anticompetitive Practices					
	Total amount of any fines or settlements related to antitrust/anticompetitive business practices (excluding legal fees)	Baht	0	0	0	0
	Amount of contingent liabilities for ongoing antitrust/anticompetitive investigations	% Of total revenues	0	0	0	0
		% Of total revenues	0	0	0	0
205-3, 206-1	Reporting on breaches					
	Number of breaches reporting					
	Code of Conduct Complaints	Case	1	1	0	2
	Corruption/ Fraud	Case	0	0	0	0
	Privacy	Case	0	0	0	0
	Regulatory compliance	Case	1	1	0	1 <sup>(1)</sup>
	Corporate compliance	Case	0	0	0	0
	Antitrust/Anticompetitive	Case	0	0	0	0
Discrimination	Case	0	0	0	0	

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Conflicts of Interest	Case	0	0	0	0
	Money Laundering or Insider trading	Case	0	0	0	0
406-1	Sexual harassment	Case	0	0	0	0
	Non-sexual harassment	Case	0	0	0	1
205-3, 206-1	Number of Code of Conduct Breaches ongoing investigation in the reporting year					
	Code of Conduct Complaints	Case	0	1	0	2
	Corruption/ Fraud	Case	0	0	0	0
	Privacy	Case	0	0	0	0
	Regulatory compliance	Case	0	1	0	1 <sup>(1)</sup>
	Corporate compliance	Case	0	0	0	0
	Antitrust/Anticompetitive	Case	0	0	0	0
	Discrimination	Case	0	0	0	0
	Conflicts of Interest	Case	0	0	0	0
	Money Laundering or Insider trading	Case	0	0	0	0
406-1	Sexual harassment	Case	0	0	0	0
	Non-sexual harassment	Case	0	0	0	1
205-3, 206-1	Number of confirmed cases of code of conduct breaches					
	Code of Conduct Complaints	Case	1	1	0	1
	Corruption/ Fraud	Case	0	0	0	0
	Privacy	Case	0	0	0	0
	Regulatory compliance	Case	1	1	0	0 <sup>(1)</sup>
	Corporate compliance	Case	0	0	0	0
	Antitrust/Anticompetitive	Case	0	0	0	0
	Discrimination	Case	N/A	N/A	0	0
	Conflicts of Interest	Case	0	0	0	0
	Money Laundering or Insider trading	Case	0	0	0	0
406-1	Sexual harassment	Case	N/A	N/A	0	0
	Non-sexual harassment	Case	N/A	N/A	0	1
	Information Security Breaches	Case	0	0	0	0

## Corporate Governance Code of Conduct

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Total Number of clients, customers and employees affected by the Information Security Breaches	Person	0	0	0	0
206-1	Details of actions taken against the substantiated cases					
	Verbal warning	Case	1	1	0	0
	Written warning	Case	0	0	0	0
	Dismissal	Case	0	0	0	1
	Other	Case	0	0	0	0
2-27	Total number of significant instances of non-compliance with laws and regulations during the reporting period					
	Instances for which fines were incurred					
	<b>Total number of cases</b>	Case	0	0	0	0
	Corruption	Case	0	0	0	0
	Social and community	Case	0	0	0	0
	Environmental	Case	0	0	0	0
	Occupational health & safety	Case	0	0	0	0
	Product and packages	Case	0	0	0	0
	Human rights	Case	0	0	0	0
2-27	Instances for which non-monetary sanctions were incurred					
	<b>Total number of cases</b>	Case	0	0	0	0
	Corruption	Case	0	0	0	0
	Social and community	Case	0	0	0	0
	Environmental	Case	0	0	0	0
	Occupational health & safety	Case	0	0	0	0
	Product and packages	Case	0	0	0	0
	Human rights	Case	0	0	0	0
2-27	Total number of significant instances of non-compliance with laws and regulations during the reporting period					
	Fines for instances of non-compliance with laws and regulations that occurred in the current reporting period					
	<b>Total monetary value</b>	Baht	0	0	0	0
	Corruption	Baht	0	0	0	0
	Social and community	Baht	0	0	0	0
	Environmental	Baht	0	0	0	0

Corporate Governance Code of Conduct						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Occupational health & safety	Baht	0	0	0	0
	Product and packages	Baht	0	0	0	0
	Human rights	Baht	0	0	0	0

Remarks:

1. During the investigation, the reported case related to regulatory compliance was withdrawn by the complainant due to a lack of solid evidence.

Corporate Governance						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
Corporate Governance						
2-9	Board Structure					
	Total number of board members	Number	13	11	11	11
	Number of executive directors	Number	1	1	1	1
	Number of non-executive directors (excl. independent directors)	Number	4	3	3	3
	Number of independent directors <sup>[7]</sup>	Number	8	7	7	7
2-11	Non-executive Chairman/Lead Director					
	Number of years that company adopt approach the Chairman is non-executive and independent	Year	0	0	0	0
2-9	Board Effectiveness					

Corporate Governance						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Average board meeting attendance	% Of meetings of board of directors/ supervisory board	96.25	96.25	98.7	96.36
	Minimum of attendance for all members required, at least	%	75	75	75	75
	Number of non-executive/ independent directors with 4 or less other mandates	Number	10	8	7	7
	Number of other mandates for non-executive/independent directors restricted to	Number	4	4	4	3
2-9	<b>Average Tenure</b>					
	Average tenure of board members in years	Year	3	3	3	3
	<b>Board Industry Experience</b>					
	Number of board members that have relevant working experience in company's sector according to GICS level 1 sector classification	Number	5	5	2	3
	<b>Executive Compensation - alignment with long-term performance</b>					
The percentage of the short-term	%	N/A	N/A	N/A	N/A	

## Corporate Governance

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	bonus differed in the form of shares					
	The longest performance period covered by your executive compensation plan	Year	N/A	N/A	N/A	N/A
	The longest time vesting period for variable CEO compensation	Year	N/A	N/A	N/A	N/A
2-21	<b>Transparency of executive compensation</b>					
	Total compensation of CEO	Baht	N/A	9,691,021	11,374,578	8,005,294.47
	Salary of CEO	Baht	N/A	6,446,928	7,003,657	5,764,184.32
	Bonus of CEO	Baht	N/A	2,745,037	3,737,533	1,454,449.15
	Provident fund of CEO	Baht	N/A	499,055	633,389	786,661.00
	Total compensation of executive (except the CEO)	Baht	N/A	87,518,224	114,128,442	81,114,837
	Salary of executive (except the CEO)	Baht	N/A	54,132,454	75,340,165	64,489,756.68
	Bonus of executive (except the CEO)	Baht	N/A	28,180,722	33,678,220	10,988,121.20
	Provident fund of executive (except the CEO)	Baht	N/A	5,205,048	5,110,057	5,636,959.42
	Total compensation of executive (executive vice president)	Baht	N/A	N/A	N/A	N/A
Salary of executive (executive vice president)	Baht	N/A	N/A	N/A	N/A	

## Corporate Governance

GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	Bonus of executive (executive vice president)	Baht	N/A	N/A	N/A	N/A
	Provident fund of executive (senior vice president)	Baht	N/A	N/A	N/A	N/A
	Total compensation of executive (senior vice president)	Baht	N/A	N/A	N/A	N/A
	Salary of executive (senior vice president)	Baht	N/A	N/A	N/A	N/A
	Bonus of executive (senior vice president)	Baht	N/A	N/A	N/A	N/A
	Provident fund of executive (senior vice president)	Baht	N/A	N/A	N/A	N/A
x2-21	<b>Disclosure of Median or Mean Compensation of all Employees &amp; CEO Compensation</b>					
	Median annual compensation of all employees, except the CEO	Baht	N/A	1,281,646.9	1,264,321.10	1,071,335.84
	Mean annual compensation of all employees, except the CEO	Baht	N/A	1,841,865.3	1,537,680.51	1,278,833.63
	Ratio of the total annual compensation of the CEO and median employee compensation	Baht	N/A	7.56	8.76	7.47
	Ratio of the total annual compensation	Baht	N/A	5.26	8.99	6.26

Corporate Governance						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	of the CEO and mean employee compensation					
	<b>Management Ownership</b>					
	Number of a company share that CEO hold	Times of the annual base salary	N/A	N/A	N/A	N/A
	Average across other executive committee members hold company shares	Times of the annual base salary	N/A	N/A	N/A	N/A
	<b>Management Ownership Requirement</b>					
	Number of a company share that CEO hold	Times of the annual base salary	N/A	N/A	N/A	N/A
	Other members of the executive committee besides the CEO have to build up a share ownership	Times of the annual base salary	N/A	N/A	N/A	N/A
	<b>Government Ownership</b>					
	The total percentage of government ownership (sum of % of individual governmental institutions owning more than 5% of voting rights)	%	N/A	N/A	N/A	N/A
	<b>Family Ownership</b>					
Total percentage of voting right that (founding) family	Total % of voting rights of the company	N/A	N/A	N/A	N/A	



Corporate Governance						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
	members individually have more than 5% of the voting rights.					
	<b>Dual Class Shares</b>					
	Amount of shares with no vote	Number of vote per share	N/A	3,543,900	3,543,900	4,061,657
	Amount of shares with one vote	Number of share	N/A	1,020,122,800	1,020,122,800	1,023,666,700
	Voting Power (= Votes per share x Amount of Share)	Total number of vote	N/A	1,023,666,700	1,023,666,700	1,023,666,700
	<b>Risk and Crisis Management</b>					
	<b>Risk Governance</b>					
	Number of non-executive members of board of directors/ supervisory board with expertise in (enterprise) risk management	Person	6	6	11	10

Social Reporting						
GRI Standards	Required Data	Units	Data Collection Period			
			2020	2021	2022	2023
-	Social Reporting - Coverage					
	Coverage of publicly available social data	% Of business operations	100	100	100	100

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
2-7	Worker									
	Total worker <sup>(1)</sup>	Person	290		308		319		320	
		Person	183	107	192	116	196	123	193	127
	Total employee <sup>(2)</sup>	Person	247		268		278		279	
		Person	176	71	186	82	185	93	183	96
	Contractor <sup>(3)</sup>	Person	982		1,970		41		41	
		Person	662	320	1,270	700	11	30	10	31
Others (please specify if any)	Person	43		40		0		0		
	Person	7	36	6	34	0	0	0	0	
2-7	Total employee by area									
	Rayong	Person	158	32	165	36	113	39	104	35
	Bangkok	Person	18	39	21	46	26	51	29	56
	Other provinces	Person	N/A	N/A	N/A	N/A	46	3	50	5
	Total employee by employment contract and by area									
	Permanent contract <sup>(4)</sup>	Person	176	71	186	82	185	93	183	96
	Rayong	Person	158	32	165	36	113	39	104	35
	Bangkok	Person	18	39	21	46	26	51	29	56
	Other provinces	Person	N/A	N/A	N/A	N/A	46	3	50	5
	Temporary contract <sup>(5)</sup>	Person	0	0	0	0	0	0	0	0
	Rayong	Person	0	0	0	0	0	0	0	0

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Bangkok	Person	0	0	0	0	0	0	0	0
	Other provinces	Person	N/A	N/A	N/A	N/A	0	0	0	0
	Non-guaranteed hours employees	Person	0	0	0	0	0	0	0	0
	Rayong	Person	0	0	0	0	0	0	0	0
	Bangkok	Person	0	0	0	0	0	0	0	0
	Other provinces	Person	0	0	0	0	0	0	0	0
	<b>Total employee by employment type</b>									
	Full-time	Person	176	71	186	82	185	93	183	96
	Rayong	Person	N/A	N/A	N/A	N/A	113	39	104	35
	Bangkok	Person	N/A	N/A	N/A	N/A	26	51	29	56
	Other provinces	Person	N/A	N/A	N/A	N/A	46	3	50	5
	Part-time	Person	0	0	0	0	0	0	0	0
	Rayong	Person	0	0	0	0	0	0	0	0
	Bangkok	Person	0	0	0	0	0	0	0	0
	Other provinces	Person	0	0	0	0	0	0	0	0
405-1	<b>Total employee by employee category (level)</b>									
	Executive (Level 13-18)	% Of total employees	4.05	1.62	4.85	1.49	3.96	1.44	5.02	1.79
		Person	10	4	13	4	11	4	14	5
	Middle management (Level 10-12)	% Of total employees	11.74	5.67	7.09	4.10	8.27	4.68	8.60	4.66
		Person	29	14	19	11	23	13	24	13
	Senior (Level 8-9)	% Of total employees	15.79	10.53	11.19	7.09	11.51	6.47	10.04	6.09
		Person	39	26	30	19	32	18	28	17
	Employee (Level 7 and below)	% Of total employees	39.68	10.93	46.27	17.91	42.81	20.86	41.22	21.51
		Person	98	27	124	48	119	58	115	60

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Unclassified <sup>(6)</sup>	% Of total employees	N/A	N/A	N/A	N/A	N/A	N/A	1.08	N/A
Person		N/A	N/A	N/A	N/A	N/A	N/A	3	N/A	
<b>Total employee by age group</b>										
<30 years	% Of total employees		-	-	-	-	8.27	10.07	7.17	7.89
			-		-		18.35		15.05	
	Person		-	-	-	-	23	28	20	22
			-		-		51		42	
30 - 50 years	% Of total employees		-	-	-	-	50.72	21.94	49.10	24.73
			-		-		72.66		73.84	
	Person		-	-	-	-	141	61	137	69
			-		-		202		206	
>50 years	% Of total employees		-	-	-	-	6.83	1.44	9.32	1.79
			-		-		8.27		11.11	
	Person		-	-	-	-	19	4	26	5
			-		-		23		31	
<b>Total employee hire by nationality</b>										
Thai	Person		247		268		278		279	
	% Of total employees		100		100		100		100	
Others	Person		0		0		0		0	
	% Of total employees		0		0		0		0	
<b>Total management employee by nationality</b>										
Thai	Person		N/A		N/A		15		19	
	% Of total management employees		N/A		N/A		100		100	
Others	Person		0		0		0		0	
	% Of total management employees		0		0		0		0	

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	<b>People with disability</b>									
	People with Disability	Person	2.02		3.73		0		0	
		% Of total employees	5		10		0		0	
401-1	<b>New Employee</b>									
	New employee	Person	55		38		42		23	
			41	14	19	19	17	25	10	13
	New hire rate	% Of total employees	22.27		14.18		15.11		8.24	
			16.60	5.67	7.09	7.09	6.16	9.06	3.58	4.66
	Percentage of open positions filled by internal candidates	Person	4		4		5		7	
			2	2	2	2	3	2	4	3
		% Of total employees	1.62		1.49		1.80		2.51	
			0.81	0.81	0.75	0.75	1.08	0.72	1.43	1.08
	Average hiring cost / FTE in the last fiscal year	Baht/FTE	54,710.53		44,880.00		64,666.43		22,111.66	
	<b>New employee by area</b>									
	Rayong	Person	33	8	14	5	6	10	5	2
		% Of total employees	13.36	3.24	5.22	1.87	2.17	3.62	1.79	0.72
	Bangkok	Person	8	6	5	14	11	15	5	11
		% Of total employees	3.24	2.43	1.87	5.22	3.99	5.40	1.79	3.94
Other provinces	Person	0	0	0	0	0	0	0	0	
	% Of total employees	0	0	0	0	0	0	0	0	
<b>New employee hire by age group and gender</b>										
<30 years	Person	20	4	2	11	5	15	1	5	
	% Of total employees	8.10	1.62	0.75	4.10	1.81	5.43	0.36	1.79	

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	30 - 50 years	Person	17	9	12	7	11	10	7	8
		% Of total employees	6.88	3.64	4.48	2.61	3.99	3.62	2.51	2.87
	>50 years	Person	4	1	5	1	1	0	2	0
		% Of total employees	1.62	0.40	1.87	0.37	0.36	0	0.72	0
401-1	Turnover									
	Total employee turnover rate	Person	5	12	12	7	16	14	9	11
			17		19		30		20	
		% Of total employees	2.02	4.86	4.86	2.83	5.76	5.04	3.23	3.94
			6.88		7.09		10.79		7.17	
	Voluntary and Non-Voluntary employee turnover rate	Person	5	12	12	7	16	14	9	11
			17		19		30		20	
		% Of total employees	2.02	4.86	4.86	2.83	5.76	5.04	3.23	3.94
			6.88		7.09		10.79		7.17	
	Turnover rate by age group and gender									
	< 30 years	Person	2	2	3	0	4	6	2	6
		% Of total employees	0.81	0.81	1.21	0	1.44	2.16	0.72	2.15
	30 - 50 years	Person	3	9	8	7	12	8	7	5
		% Of total employees	1.21	3.64	2.99	2.61	4.32	2.88	2.51	1.79
	> 50 years	Person	0	1	1	0	0	0	0	0
		% Of total employees	0	0.40	0.37	0	0	0	0	0
	Turnover by area and gender									
	Rayong	Person	2	4	6	1	8	3	1	3
		% Of total employees	0.81	1.62	2.24	0.37	2.88	1.08	0.36	1.08

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Bangkok	Person	2	7	6	6	4	11	2	7
		% Of total employees	0.81	2.83	2.24	2.24	1.44	3.96	0.72	2.51
	Other provinces	Person	2	1	0	0	4	0	6	1
		% Of total employees	1	0	0	0	1.44	0	2.15	0.36
401-2, 401-3	Parental Leave									
	Number of employees entitled to parental leave	Person	177	71	179	81	185	93	183	96
	Number of employees taking parental leave	Person	7	1	3	4	3	2	8	4
	Number of employees returning to work after parental leave	Person	7	1	3	4	3	2	8	4
	Number of employees returning to work after parental leave who were still employed for 12 months after returning	Person	7	1	3	4	3	2	8	4

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Employee returning to work retention rate	% Of total employees taking parental leave	100	100	100	100	100	100	100	100
404-3	Types of Performance Appraisal									
	Management by objectives: systematic use of agreed measurable targets by line superior	% Of all employees	N/A	N/A	N/A	N/A	100	100	100	100
	Multidimensional performance appraisal	% Of all employees	N/A	N/A	N/A	N/A	100	100	100	100
	Formal comparative ranking of employees within one employee category	% Of all employees	N/A	N/A	N/A	N/A	100	100	100	100
404-3	Employee Receiving Regular Performance and Career Development Reviews (Excl. People in Unclassified <sup>[6]</sup> Group)									
	Executive	Person	10	4	13	4	11	4	13	6
		%	100	100	100	100	73	27	68	32
	Middle Management	Person	29	14	19	11	23	13	24	13
		%	100	100	100	100	64	36	89	48
	Senior	Person	39	26	30	19	32	18	28	17
		%	100	100	100	100	64	36	62	38
	Employee (Level 7 and below)	Person	98	27	124	48	119	58	115	60
%		100	100	100	100	67	33	66	34	



Human Capital											
GRI Standards	Required Data	Unit	Data Collection Period								
			2020		2021		2022		2023		
			Male	Female	Male	Female	Male	Female	Male	Female	
405-1	Gender Diversity and Equal Remuneration										
	Women in workforce	Person	71	82	92	96					
		% Of total workforce	27.84	30.60	33.09	34.41					
		% Target at fiscal year	29	30	31	32					
	Women in Management positions	Person	13	15	17	19					
		% Of total management workforce	28.26	31.25	32.08	32.20					
		% Target at fiscal year	29	30	31	32					
	Women in top management positions	Person	3	4	4	5					
		% Of total top management positions	21.43	26.67	25.00	29.41					
		% Target at fiscal year	24	25	26	27					
	Women in junior management positions	Person	10	11	13	14					
		% Of total junior management positions	33.33	35.48	36.11	34.15					
		% Target at fiscal year	29	30	31	32					

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Women in management positions in revenue generating functions	Person	1		2		4		7	
		% Of total managers in revenue generating functions	7.69		16.67		28.57		44.44	
		% Target at fiscal year	20		20		25		30	
	Women in STEM-related positions <sup>[8]</sup>	Person	23		26		28		30	
		% Of total STEM-related positions	32.08		36.84		41.67		44.07	
		% Target at fiscal year	29		30		31		32	
	Number of women on board of directors/supervisory board	Person	1		1		1		2	
		% of total Board of Directors	9.09		9.09		9.09		18.18	
	405-2	Gender Pay: Ratio Salary								
Executive (Level 13-18): Base Salary		Ratio	1.00	0.78	1.00	0.78	1.00	1.22	1.00	0.87
		Baht	N/A	N/A	N/A	N/A	3,405,482.49	4,155,555.00	3,418,134.00	2,967,579.39
Executive (Level 13-18): Base salary + other cash incentives		Ratio	1.00	0.86	1.00	0.84	1.00	1.39	1.00	0.93
		Baht	N/A	N/A	N/A	N/A	5,536,999.44	7,710,953.65	4,863,599.43	4,526,962.12

Human Capital											
GRI Standards	Required Data	Unit	Data Collection Period								
			2020		2021		2022		2023		
			Male	Female	Male	Female	Male	Female	Male	Female	
	Management (Level 11-12):	Ratio	1.00	0.85	1.00	0.95	1.00	1.04	1.00	0.90	
	Base salary	Baht	N/A	N/A	N/A	N/A	1,555,339.85	1,617,443.52	1,577,576.62	1,415,800.82	
	Management (Level 11-12):	Ratio	1.00	0.79	1.00	0.87	1.00	0.95	1.00	0.89	
	Base salary + other cash incentives	Baht	N/A	N/A	N/A	N/A	3,104,846.72	2,940,271.43	2,377,665.26	2,126,582.81	
	Non-management (Level 9-10 and below):	Ratio	1.00	0.93	1.00	0.97	1.00	1.06	1.00	0.98	
	Base salary	Baht	N/A	N/A	N/A	N/A	1,018,906.42	1,075,784.00	1,108,003.43	1,081,468.82	
	Non-management (Level 9-10 and below):	Ratio	1.00	0.72	1.00	0.93	1.00	0.89	1.00	0.85	
	Base salary + other cash incentives	Baht	N/A	N/A	N/A	N/A	2,215,225	1,961,434	1,905,782.28	1,629,261.86	
	Staff P3 Below (Level 8 below):	Ratio	1.00	1.09	1.00	1.01	1.00	1.00	1.00	0.99	
	Base Salary	Baht	N/A	N/A	N/A	N/A	488,037	440,083	524,183.01	516,939.78	
	Staff P3 Below (Level 8 Below):	Ratio	1.00	0.65	1.00	0.78	1.00	0.66	1.00	0.67	
	Base salary + other cash incentives	Baht	N/A	N/A	N/A	N/A	1,339,198	883,424	1,172,572.55	789,059.57	
	2-30	Labor Practice indicators									
		Employees represented by an independent trade union	%	100		100		100		100	

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
201-1	<b>Training and Development</b>									
	Quantitative financial benefit of employee development investments	Million baht	N/A		N/A		N/A		N/A	
	Resulting HC ROI	-	2.50		2.79		3.15		N/A	
404-1	Average hours per FTE of training and development	Hour/person/year	44		30.12		27.53		62.98	
	Average amount spent per FTE on training and development	Baht/ person / year	13,793.00		14,987.94		17,540		14,183.66	
	Total investment on employees training	Million baht	2.52	1.48	2.49	1.52	3.17	1.60	1.58	0.83
	<b>Average hours of training by employee category (management level) and gender</b>									
	Executive (Level 13-18)	Hour /person /year	N/A	N/A	23.00	47.00	29.70	26.00	22.07	22.00
	Middle management (Level 10 -12)	Hour /person /year	N/A	N/A	21.30	36.00	27.40	26.80	35.36	34.20
	Senior (Level 8-9)	Hour /person /year	N/A	N/A	31.52	12.38	22.50	21.20	56.68	54.40
	Employee (Level 7 and below)	Hour /person /year	N/A	N/A	23.54	15.21	29.70	27.80	75.73	73.38

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	<b>Average hours of training by age group and gender</b>									
	< 30 years	Hour /person /year	N/A	N/A	20.00	13.65	29.55	28.61	84.45	80.37
	30 - 50 years	Hour /person /year	N/A	N/A	24.53	26.12	27.19	30.45	63.44	59.42
	> 50 years	Hour /person /year	N/A	N/A	19.37	22.88	19.86	18.71	30.16	29.87
	<b>Average hours of training by type of training (mandatory/non-mandatory)</b>									
	Average hours of mandatory training	Hour/person/ year	N/A	N/A	17.63	10.14	17.33	17.33	20.17	20.17
	Average hours of non-mandatory training	Hour/person/ year	N/A	N/A	5.18	9.1	9.61	9.61	29.08	29.08
	<b>Average employee training spent by type (mandatory/non-mandatory)</b>									
	Average amount spent of mandatory training	Baht/ person/ year	N/A	N/A	624.73	624.73	3,725.62	3,725.62	3,168.48	3,168.48
	Average amount spent of non-mandatory training	Baht/ person/ year	N/A	N/A	9,358.71	9,358.71	13,432.93	13,432.93	7,430.96	7,430.96
	<b>Average employee training spent by age group</b>									
	< 30 years	Baht/ person/ year	N/A	N/A	2,402	9,378	2,163	11,850	11,741	11,741
	30 - 50 years	Baht/ person/ year	N/A	N/A	1,756	13,537	14,740	2,921	9,957	29,726
	> 50 years	Baht/ person/ year	N/A	N/A	15,937	34,545	44,722	43,561	13,722	13,722

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Resulting HC ROI: (a-(b-c))/c	Million baht	2.501		2.649		3.026		0.841	
	Total Employees	Person	247		268		278		279	
<b>Employee Engagement</b>										
	Employee engagement result	% Of actively engaged employees	55		49		46		52	
		Person	106	24	178	71	97	20	101	36
	Employee engagement target	% Of actively engaged employees	50		58		61		60	
	Data Coverage	% Of employees who respond to the survey	97.17		92.91		90.65		94.27	
<b>Employee engagement by age group and gender</b>										
	Under 25 years	% Of total employees	8.49	0	5.79	0	0	0	0	0
	25 - 34 years	% Of total employees	38.68	29.17	26.45	4.96	30.93	35.00	55	37
	35 - 44 years	% Of total employees	33.96	50.00	32.23	7.44	36.08	45.00		
	45 - 54 years	% Of total employees	17.92	16.67	15.70	3.31	25.77	20.00	58	61
	55 years and above	% Of total employees	0.94	4.17	3.31	0.83	6.19	0	0	0
<b>Employee engagement by management level</b>										
	Executive (Level 13-18)	% Of total employees	3.77	12.50	5.79	1.65	4.32	0	3.58	0
	Middle management (Level 10 -12)	% Of total employees	1.89	0	5.79	1.65	6.49	3.23	4.66	2.87

Human Capital										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Senior (Level 8-9)	% Of total employees	11.32	37.50	7.44	5.79	4.32	7.53	3.94	4.30
	Employee (Level 7 and below)	% Of total employees	83.02	50	64.46	7.44	35.14	8.60	24.01	13.62

Corporate Social Responsibility						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
Corporate Social Responsibility						
	<b>Philanthropic Activities</b>					
	Total contribution	Million baht	4,767,619	6,039,643	10,537,737	7,161,547.00
	Charitable donations	Million baht	197,704.76	181,189.29	1,369,905.81	1,647,155.81
		% Of total costs	4	3	13	23
	Community investments	Million baht	197,704.76	1,268,325.03	1,159,151.07	859,385.64
		% Of total costs	4	21	11	12
	Commercial initiatives	Million baht	4,386,209.48	4,590,128.68	8,008,680.12	4,655,005.55
		% Of total costs	92	76	76	65
	<b>Input</b>					
	Management overheads	Million baht	3,982,785	4,061,258	7,048,174	6,759,638
	Employee volunteering time during paid working hours	Million baht	N/A	583,354	590,831	401,909
		Hour	130	N/A	N/A	1,049
	Cash contribution	Million baht	3,571,364	1,219,328	1,545,397	2,116,885
	Products or services donations	Million baht	197,558	175,703	296,847	242,753

Corporate Social Responsibility						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
413-1	Local Community					
	Percentage of operations with implemented local community engagement, impact assessments, and/or development programs	%	N/A	N/A	90	90
	Community and Social Satisfaction	%	84.60	91.27	91.40	92.28
	Community and Social Satisfaction target at fiscal year	%	84	84	84	84

**Remarks:**

2. Total worker is total employees including contractors and other persons working for GGC.
3. Total employee is total workforce for GGC.
4. Worker (exclude employee) refers to significant workers that are contractors.
5. Permanent contractor is a permanent employment contract is a contract with an employee for full-time or part-time work for an indeterminate period.
6. Temporary contract is of limited duration and terminated by a specific event, including the end of a project or work phase or return of replaced personnel.
7. Unclassified means employees who serve the Company on contract as advisors, experts and specialists.
8. GGC Independent director criteria which are aligned with the SAM's criteria (S&P Definition)
9. STEM stand for Science, Technology, Engineering and Mathematics. Positions include, but are not limited to, the following: computer programmer, web developer, statistician, logistician, engineer, physicist and scientist



Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
403-8	<b>Workers Covered by An Occupational Health and Safety Management System</b>									
	<b>Employee</b>									
	Covered by an occupational health and safety management system	Person	176	71	182	82	180	86	176	94
		%	N/A	N/A	100	100	100	100	100	100
	Covered by such a system that has been internally audited	Person	176	71	179	80	177	84	176	94
		%	N/A	N/A	100	100	100	100	100	100
	Covered by such a system that has been audited or certified by an external party	Person	176	71	179	80	177	84	176	94
		%	58	100	100	100	100		100	
	<b>Contractors<sup>(3)</sup></b>									
	Covered by an occupational health and safety management system	Person	320	150	13,262	3,282	3,399	916	4,442	503
		%	N/A	N/A	100	100	100	100	100	100
	Covered by such a system that has been internally audited	Person	320	150	13,262	3,282	3,399	916	4,442	503
		%	N/A	N/A	100	100	100	100	100	100

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Covered by such a system that has been audited or certified by an external party	Person	320	150	13,262	3,282	3,399	916	4,442	503
%		32	100	100	100					
403-9	Fatalities As A Result of Work-Related Injury									
	Employee	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
	Rate Fatalities As A Result of Work-Related Injury									
	Employee	Case/1 million man-hours	0		0		0		0	
			0	0	0	0	0	0	0	0
Rayong	Case/1 million man-hours	0	0	0	0	0	0	0	0	

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Bangkok	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	Other provinces	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
			0	0	0	0	0	0	0	0
	Rayong	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	Bangkok	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	Other provinces	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	High-Consequence Work-Related Injuries (Excluding Fatalities)									
	Employee	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
Rate of High-Consequence Work-Related Injuries (Excluding Fatalities)										
	Employee	Case/ 1 million man-hours	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	Bangkok	Case/ 1 million man-hours	0	0	0	0	0	0	0	0
	Other provinces	Case/ 1 million man-hours	0	0	0	0	0	0	0	0

Health & Safety											
GRI Standards	Required Data	Unit	Data Collection Period								
			2020		2021		2022		2023		
			Male	Female	Male	Female	Male	Female	Male	Female	
	Contractors <sup>(3)</sup>	Case/ 1 million man-hours	0		0		0		0		
			0	0	0	0	0	0	0	0	
	Rayong	Case/ 1 million man-hours	0	0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	0	
	Bangkok	Case/ 1 million man-hours	0	0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	0	
	Other provinces	Case/ 1 million man-hours	0	0	0	0	0	0	0	0	
			0	0	0	0	0	0	0	0	
	<b>Total Recordable Injuries Case<sup>(4)</sup></b>										
	Employee	Case	0		0		1		0		
			0	0	0	0	1	0	0	0	
	Rayong	Case	0	0	0	0	0	0	0	0	
	Bangkok	Case	0	0	0	0	0	0	0	0	
	Other provinces	Case	0	0	0	0	1	0	1	0	
	Contractors <sup>(3)</sup>	Case	0		0		1		1		
0			0	0	0	1	0	0	1		
Rayong	Case	0	0	0	0	0	0	0	1		
Bangkok	Case	0	0	0	0	0	0	0	0		
Other provinces	Case	0	0	0	0	0	0	0	0		

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	<b>Recordable Injuries Rate (IR)<sup>(1)</sup></b>									
	Employee	Case/ 1 million man hour	0		0		0.89		0	
			0	0	0	0	1.09	0	0	0
	Rayong		0	0	0	0	1.74	0	0	0
	Bangkok		0	0	0	0	0	0	0	0
	Other provinces		0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>		0		0		1.59		1.06	
			0	0	0	0	1.87	0	0	8.52
	Rayong		0	0	0	0	3.69	0	0	8.52
	Bangkok		0	0	0	0	0	0	N/A	N/A
	Other provinces		0	0	0	0	0	0	0	0
	<b>Number of Hours Worked</b>									
	Employee	Hours	423,293		568,887		1,115,642.89		595,007	
			302,721	120,752	421,383	147,054	912,738	202,905	429,449	175,557
	Rayong	Hours	222,856	86,777	244,600	53,208	573,127	94,034	57,098	116,000
	Bangkok	Hours	54,599	23,657	37,823	88,344	252,685	106,794	224,016	52,012
	Other provinces	Hours	25,266	10,138	138,960	5,952	86,926	2,078	138,338	7,546
	Contractors <sup>(3)</sup>	Hours	696,097		1,007,836		1,257,308		943,459	
			594,991	101,106	874,992	132,844	1,068,082	189,226	769,679	173,781
	Rayong	Hours	414,879	68,823	616,473	80,924	541,755	80,530	417,314	117,306
	Bangkok	Hours	103,856	17,999	N/A	N/A	N/A	N/A	N/A	N/A
	Other provinces	Hours	47,001	88,716	258,519	51,920	526,327	108,696	352,365	56,475

Health & Safety											
GRI Standards	Required Data	Unit	Data Collection Period								
			2020		2021		2022		2023		
			Male	Female	Male	Female	Male	Female	Male	Female	
	Lost-Time Injury Frequency Rate (LTIFR)										
	Employee	Case	0	0	0	0	0	0	0	0	
		Case/ 1 million man- hours	0	0	0	0	0	0	0	0	
403-9	Data coverage	% Of revenue	100	100	100	100	100	100	100	100	
	Contractors <sup>(3)</sup>	Case	0	0	0	0	0	1	1	1	
		Case/ 1 million man- hours	0	0	0	0	1.6	2.09	2.09	2.09	
	Data coverage	% Of revenue	100	100	100	100	100	100	100	100	
	Lost Work Day (LWD) & Lost Day Rate (LDR)										
	Employees	Case	0	0	0	0	0	0	0	0	0
		Case/ 1 million man- hours	0	0	0	0	0	0	0	0	0
Contractors <sup>(3)</sup>	Case	0	0	0	0	0	0	0	0	0	
	Case/ 1 million man- hours	0	0	0	0	0	0	0	0	0	

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
403-10	Number of Fatalities As A Result of Work-Related Ill Health									
	Employee	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
	Number of Cases of Recordable Work-Related Ill Health <sup>(5)</sup>									
	Employee	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
	Bangkok	Case	0	0	0	0	0	0	0	0
	Other provinces	Case	0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>	Case	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case	0	0	0	0	0	0	0	0
Bangkok	Case	0	0	0	0	0	0	0	0	
Other provinces	Case	0	0	0	0	0	0	0	0	



Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Occupational Diseases Rate (ODR) <sup>(2)</sup>									
	Employee	Case/ 1 million man- hours	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case/ 1 million man- hours	0	0	0	0	0	0	0	0
	Bangkok	Case/ 1 million man- hours	0	0	0	0	0	0	0	0
	Other provinces	Case/ 1 million man- hours	0	0	0	0	0	0	0	0
	Data coverage	% Of revenue	0	0	0	0	0	0	0	0
	Contractors <sup>(3)</sup>	Case/ 1 million man- hours	0		0		0		0	
			0	0	0	0	0	0	0	0
	Rayong	Case/ 1 million man- hours	0	0	0	0	0	0	0	0

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
	Bangkok	Case/1 million man-hours	0	0	0	0	0	0	0	0
	Other provinces	Case/1 million man-hours	0	0	0	0	0	0	0	0
	Data coverage	% Of revenue	0	0	0	0	0	0	0	0
306-3	Process Safety Events - Tier 1									
	Number per million hours worked	Number	0	0	0	0	0	0	0	0
	By business activity: production	Number	0	0	0	0	0	0	0	0
	By business activity: transportation	Number	0	0	0	0	0	0	0	0
	By business activity: storage	Number	0	0	0	0	0	0	0	0
	By business activity: other	Number	0	0	0	0	0	0	0	0
	Data coverage	% Of revenue	100	100	100	100	100	100	100	100
	Target of tier 1 process safety events per million hours worked	Number	0	0	0	0	0	0	0	0

Health & Safety										
GRI Standards	Required Data	Unit	Data Collection Period							
			2020		2021		2022		2023	
			Male	Female	Male	Female	Male	Female	Male	Female
306-3	Process Safety Events - Tier 2									
	Number per million hours worked	Number	0		0		0		0	
	By business activity: production	Number	0		0		0		0	
	By business activity: transportation	Number	0		0		0		0	
	By business activity: storage	Number	0		0		0		0	
	By business activity: other	Number	0		0		0		0	
	Data coverage	% Of revenue	100		100		100		100	

**Remarks:**

2. Injury types include medical treatment, restricted work and loss time cases.
3. Occupation Disease Rate refers to Occupational Illness Frequency Rate (OIFR).
4. Worker (exclude employee) refers to significant workers that are contractors.
5. Main types of work-related injury
6. Main types of work-related illness health

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
301-1	<b>Material</b>					
	Total material use	Tonnes	376,177.17	589,991.48	573,447.00	634,270.00
	Non-renewable material	Tonnes	32,015	61,410.81	56,521.00	39,728.00
	Renewable material	Tonnes	344,461.28	528,580.67	516,925	594,542.00
301-2	Percentage of materials used that are recycled input materials	%	100	100	100	100
302-1	<b>Energy Consumption</b>					
	Total direct non-renewable energy consumption	MWh	98,078.44	83,372.14	94,071.53	92,721.87
	Natural gas	MWh	N/A	N/A	N/A	N/A
	LPG	MWh	581.36	1,190.78	553.87	510.42
	Diesel	MWh	97.12	222.36	614.35	477.39
	Pyrolysis gas oil	MWh	N/A	N/A	N/A	N/A
	Recovered volatile (RV)	MWh	N/A	N/A	N/A	N/A
	Oligomer	MWh	N/A	N/A	N/A	N/A
	Fuel oil	MWh	97,399.96	81,959.00	92,903.31	91,734.07
	Fuel gas	MWh	N/A	N/A	N/A	N/A
	Total direct non-renewable energy consumption	GJ	353,082.38	300,139.70	338,657.51	333,798.75
	Natural gas	GJ	N/A	N/A	N/A	N/A
	LPG	GJ	2,092.9	4,286.81	1,993.93	1,837.51
	Diesel	GJ	349.63	800.50	2,211.66	1,718.59
	Pyrolysis gas oil	GJ	N/A	N/A	N/A	N/A
	Recovered volatile (RV)	GJ	N/A	N/A	N/A	N/A
	Oligomer	GJ	N/A	N/A	N/A	N/A
Fuel oil	GJ	350,639.89	295,052.40	334,451.92	357,029	

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Fuel gas	GJ	N/A	N/A	N/A	N/A
	Total indirect energy consumption by primary energy source	MWh	324,292.66	287,396.41	316,929.62	317,199
	Steam / heating / cooling and other energy (non-renewable) purchased for consumption	MWh	272,325.95	237,025.82	265,282.25	266,106.76
	Electricity (non-renewable) purchased	MWh	51,966.71	50,370.59	51,647.37	51,092.24
	Steam (non-renewable) purchased	MWh	272,325.95	237,025.82	265,282.25	266,106.76
	Cooling (non-renewable) purchased	MWh	N/A	N/A	N/A	N/A
	Total non-renewable energy (electricity and heating & cooling) sold	MWh	N/A	N/A	N/A	N/A
	Electricity sold	MWh	N/A	N/A	N/A	N/A
	Steam sold	MWh	N/A	N/A	N/A	N/A
	Return steam condensate sold	MWh	N/A	N/A	N/A	N/A
	Heating sold	MWh	N/A	N/A	N/A	N/A
	Cooling sold	MWh	N/A	N/A	N/A	N/A
	Total non-renewable energy consumption within the organization	MWh	422,371.10	370,768.55	411,001.15	409,920.87
	Total renewable energy purchased or generated	MWh	0	0	0	0
	Solar cell	MWh	0	0	0	0
	Wind turbine	MWh	0	0	0	0

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Total renewable energy consumption	MWh	0	0	0	0
	Total renewable energy purchased or generated	GJ	0	0	0	0
	Solar cell	GJ	0	0	0	0
	Wind turbine	GJ	0	0	0	0
	Total renewable energy consumption	GJ	0	0	0	0
	Total energy consumption within the organization from non-renewable and renewable energy sources	MWh	422,371.10	370,768.55	411,001.15	409,920.87
	Total energy consumption within the organization from non-renewable and renewable energy sources	GJ	1,520,535.96	1,334,766.78	1,479,604.13	1,475,715.14
	Total cost of energy consumption	Total cost of energy consumption	475.56	427.24	753.36	677.63
	Percentage of data coverage	% Of revenue	100	100	100	100
	Total non-renewable energy consumption target at fiscal year	MWh	N/A	N/A	N/A	N/A
302-2	Total energy consumption outside organization	MWh	N/A	N/A	N/A	N/A
302-3	Total energy intensity <sup>(1)</sup>	MWh/ton production	0.80	0.83	0.97	0.93

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
302-4	Total energy saved by efforts to reduce energy use and increase energy efficiency	MWh	N/A	N/A	1,870.00	10,195.03
	Fuel Saving	MWh	N/A	N/A	1,870.00	10,195.03
	Total indirect energy saved from initiative to reduce indirect energy use	MWh	9,106.72	3,448.68	5,249.34	2,039.54
	Electricity Saving	MWh	23.04	N/A	N/A	3.01
	Steam Saving	MWh	9,083.68	3,448.68	5,249.34	2,036.53
305-1	<b>Greenhouse Gas Emissions (GHGs) <sup>(2)</sup></b>					
	Total direct GHG emissions (scope1) <sup>(2)</sup>	Tonnes CO <sub>2</sub> equivalent	27,714	30,508.95	29,817.00	28,569.48
	Direct GHG emissions from methane emission (scope 1)	Tonnes CO <sub>2</sub> equivalent	N/A	39.92	20.66	21.26
	Percentage of data coverage	% of revenue	100	100	100	100
	Total direct GHG emissions (scope1) target at fiscal year	Tonnes CO <sub>2</sub> equivalent	33,333.09	N/A	N/A	N/A
	Total biogenic CO <sub>2</sub> emissions (scope1)	Tonnes CO <sub>2</sub> equivalent	N/A	N/A	N/A	N/A
305-2	Total Indirect GHGs emissions from energy purchased and consumes (scope2) <sup>(2)</sup>	Tonnes CO <sub>2</sub> equivalent	71,974.00	61,358.63	67,955.00	67,780.00
	Market-based energy indirect (scope 2) GHG emissions	Tonnes CO <sub>2</sub> equivalent	65,607.00	52,958.21	59,437.46	59,277.53

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
305-3	- Target of market-based energy indirect (scope 2) GHG emissions	Tonnes CO <sub>2</sub> equivalent	N/A	N/A	N/A	N/A
	Location based energy indirect (scope 2) GHG emissions	Tonnes CO <sub>2</sub> equivalent	6,367	8,400.43	8,516.92	8,502.52
	- Target of market-based energy indirect (scope 2) GHG emissions	Tonnes CO <sub>2</sub> equivalent	N/A	N/A	N/A	N/A
	Total indirect GHGs (scope2) target at fiscal year	Tonnes CO <sub>2</sub> equivalent	59,481.31	N/A	N/A	N/A
	Percentage of data coverage	% Of revenue	100	100	100	100
	Total Other relevant indirect GHG emission (scope3) <sup>(4)</sup>	Tonnes CO <sub>2</sub> equivalent	789,672	525,332	539,972	580,062
	Other relevant indirect GHG emission (scope 3): purchased of goods and services	Tonnes CO <sub>2</sub> equivalent	785,798	500,194.97	504,662.87	N/A
	Other relevant indirect GHG emission (scope 3): fuel and energy related activities (not included in scope 1 or scope 2)	Tonnes CO <sub>2</sub> equivalent	3,874.00	3,125	3,812	3,801
	Other relevant indirect GHG emission (scope 3): Upstream Transportation and Distribution	Tonnes CO <sub>2</sub> equivalent	N/A	11,167.90	11,831.37	N/A



Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Other relevant indirect GHG emission (scope 3): Waste generation in operation	Tonnes CO <sub>2</sub> equivalent	N/A	676.16	10,456.85	N/A
	Other relevant indirect GHG emission (scope 3): Business Travel	Tonnes CO <sub>2</sub> equivalent	N/A	1.80	3.83	N/A
	Other relevant indirect GHG emission (scope 3): Employee commuting	Tonnes CO <sub>2</sub> equivalent	N/A	370.43	415.87	N/A
	Other relevant indirect GHG emission (scope 3): Downstream Transportation and Distribution	Tonnes CO <sub>2</sub> equivalent	N/A	9,796.32	8,790	N/A
	Total biogenic CO <sub>2</sub> emissions (scope 3)	Tonnes CO <sub>2</sub> equivalent	N/A	N/A	N/A	N/A
305-4	GHG emission intensity (scope 1 & 2) <sup>(5)</sup>	Tonnes CO <sub>2</sub> equivalent/tonnes production	0.187	0.208	0.231	0.2179
305-5	Total estimated annual CO2 savings	Tonnes CO <sub>2</sub> equivalent	1,393	2,616	418	3,416
	GHG annual reduction target at fiscal year	Tonnes CO <sub>2</sub> equivalent	N/A	N/A	N/A	N/A
305-7	Emission <sup>(6)</sup>					
	Volatile organic compounds (VOCs)	Tonnes VOC	0.01	0.01	0.01	0.01
	VOC target at fiscal year	Tonnes VOC	N/A	N/A	N/A	N/A
	Percentage of data coverage	% Of revenue	100	100	100	100

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	VOC intensity	Tonnes VOC / million tonne production	0.02	0.02	0.02	0.02
	NOx emissions <sup>[12]</sup>	Tonnes NOx	51.60	47.86	87.51	31.33
	NOx emissions target at fiscal year	Tonnes NOx	N/A	N/A	N/A	N/A
	Percentage of data coverage	% of revenue	100	100	100	100
	NOx intensity	Tonnes NOx / million tonne production	97.14	116.26	206.82	70.86
	SOx emissions <sup>[12]</sup>	Tonnes SOx	67.91	114.42	121.95	102.83
	SOx emissions target at fiscal year	Tonnes SOx	N/A	N/A	N/A	N/A
	Percentage of data coverage	% Of revenue	100	100	100	100
	SOx intensity	Tonnes SOx/ million tonne production	127.85	277.95	288.21	232.59
	Total Suspended Particle (TSP)	Tonnes	11.40	1.78	N/A	6.89
	TSP Intensity	Tonnes/ million tonne production	21.46197465	4.323956663	N/A	15.58414534
305-7	Persistent organic pollutants (POP)	Tonnes	N/A	N/A	N/A	N/A
	POP intensity	Tonnes/ million tonne production	N/A	N/A	N/A	N/A
	Hazardous air pollutants (HAP)	Tonnes HAP	N/A	N/A	N/A	N/A

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	HAP intensity	Tonnes/ million tonne production	N/A	N/A	N/A	N/A
303-3	<b>Water Consumption<sup>[7]</sup></b>					
	Total water withdrawal from all areas	m <sup>3</sup>	439,567.05	528,421.67	521,653.53	543,076.02
	Fresh water (≤1,000 mg/L Total dissolved solids)	m <sup>3</sup>	439,567.05	528,421.67	521,653.53	543,076.02
	Surface water	m <sup>3</sup>	44,493.22	62,471.90	76,150.00	N/A
	Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Produced water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Third-party water	m <sup>3</sup>	395,073.83	465,949.77	445,503.53	543,076.02
	Other water (>1,000 mg/L Total dissolved solids)	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Produced water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Third-party water	m <sup>3</sup>	N/A	N/A	N/A	N/A
303-3	Total water withdrawal from all areas with water stress	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Fresh water (≤1,000 mg/L Total dissolved solids)	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Produced water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Third-party water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Produced water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Other water (>1,000 mg/L Total dissolved solids)	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Produced water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Third-party water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	- Produced water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Water consumption intensity	m <sup>3</sup> /tonne production	0.11	0.31	0.56	0.55
	Water reused	m <sup>3</sup>	N/A	0.03	13,259.90	50,949.56
	Water recycled	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Total water reused / recycled	m <sup>3</sup>	23,917.00	0.03	13,259.91	50,949.56
		% Of total water withdrawal	5.44	0.00	2.54	9.38
303-4	<b>Water Discharge<sup>[8]</sup></b>					
	Total water discharge to all areas	m <sup>3</sup>	379,339.80	390,894.61	283,571.58	299,101.44

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Fresh water ( $\leq 1,000$ mg/L Total dissolved solids)	m <sup>3</sup>	324,884.54	140,640.44	231,261.80	243,798.70
	Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Third-party water (Total)	m <sup>3</sup>	324,884.54	140,640.44	231,261.80	243,798.70
	Other water ( $> 1,000$ mg/L Total dissolved solids)	m <sup>3</sup>	54,455.26	250,254.17	52,309.78	55,302.44
	Surface water	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Groundwater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Seawater	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Third-party water (Total)	m <sup>3</sup>	54,455.26	250,254.17	52,309.78	55,302.44
	Total water discharge to all areas with water stress	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Fresh water ( $\leq 1,000$ mg/L Total dissolved solids)	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Other water ( $> 1,000$ mg/L Total dissolved solids)	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Water discharge quality					
	BOD Loading	Tonnes	8.17	N/A	266.55	155.98
	TSS Loading	Tonnes	5.34	N/A	33.76	93.96
	Oil and Grease Loading	Tonnes	0.54	N/A	7.67	14.47
	Total direct COD	Tonnes	23	1,655.18	589	582.89

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Percentage of data coverage	% Of revenue	N/A	N/A	N/A	N/A
	Total direct COD target at fiscal year	Tonnes COD	N/A	N/A	N/A	N/A
303-5	<b>Water Consumption</b>					
	Withdrawal: Total municipal water supplies (or from other water utilities)	m <sup>3</sup>	395,073.83	465,949.77	445,503.53	543,076.02
	Withdrawal: Fresh surface water	m <sup>3</sup>	44,493.22	62,471.90	76,150.00	N/A
	Withdrawal: Fresh ground water	m <sup>3</sup>	0	0	0	0
	Discharge: Water returned to the source of extraction at similar or higher quality as raw water extracted	m <sup>3</sup>	0	0	0	0
	Total net freshwater consumption	m <sup>3</sup>	439,567.05	528,421.67	521,653.53	543,076.02
	Percentage of data coverage	%	100	100	100	100
	Target of total net freshwater consumption at fiscal year	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Total water consumption from all areas	m <sup>3</sup>	60,227.25	137,537.06	238,081.95	243,974.88
	Total water consumption from all areas with water stress	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Change in water storage (if water storage has been)	m <sup>3</sup>	N/A	N/A	N/A	N/A

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	identified as having a significant water-related impact)					
306-3	<b>Waste Generated</b>					
	Total Waste Generated	Tonnes	6,929.58	5,785.64	14,033.10	7,363.06
	Routine waste generation					
	Total Hazardous waste as defined by National Legislation	Tonnes	550.67	439.28	815.74	490.54
	Data Coverage	% Of revenue	100	100	100	100
	Total Hazardous waste Generated target at fiscal year	Tonnes	N/A	N/A	N/A	N/A
	Total Non-Hazardous waste as defined by National Legislation	Tonnes	6,378.91	5,346.36	9,822.09	6,853.00
	Data Coverage	% Of revenue	100	100	100	100
	Total waste generated target at fiscal year	Tonnes	N/A	N/A	N/A	N/A
	Non-routine waste generation <sup>[10]</sup>					
	Total waste generated	Tonnes	N/A	N/A	3,395.27	19.52
	Hazardous waste generated as defined by national legislation	Tonnes	N/A	N/A	N/A	N/A
	Total non-hazardous waste generated as defined by national legislation	Tonnes	N/A	N/A	3,395.27	19.52
	306-4	<b>Waste Diverted from Disposal</b>				
Total weight of waste diverted from disposal		Tonnes	456.07	448.19	1,186.24	1,252.32
Routine waste generation						

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Total hazardous waste diverted from disposal	Tonnes	68.75	135.31	432.58	92.93
	Preparation for reuse	Tonnes	N/A	N/A	N/A	N/A
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	N/A	0	0	0
	Recycling	Tonnes	4.60	40.42	45.52	35.28
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	4.60	40.42	45.52	35.28
	Other recovery operations	Tonnes	64.15	94.89	387.06	57.65
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	64.15	94.89	387.06	57.65
	Total non-hazardous waste diverted from disposal	Tonnes	387.32	312.88	753.66	1,159.38
	Preparation for reuse	Tonnes	13.41	87.15	15.66	-
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	13.41	87.15	15.66	-
	Recycling	Tonnes	25.08	26.12	328.65	326.43
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	25.08	26.12	328.65	326.43
	Other recovery operations	Tonnes	348.83	196.61	409.35	832.95
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	348.83	196.61	409.35	832.95
	Non-routine waste generation					
	Total hazardous waste diverted from disposal	Tonnes	-	-	-	-
	Preparation for reuse	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A



Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Recycling	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Other recovery operations	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Total non-hazardous waste diverted from disposal	Tonnes	-	-	-	-
	Preparation for reuse	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Recycling	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Other recovery operations	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
306-5	<b>Waste Directed to Disposals<sup>(11)</sup></b>					
	Total weight of waste directed to disposal	Tonnes	6,550.85	5,390.40	6,146.53	6,071.81
	Total waste disposed Target	Tonnes	N/A	N/A	N/A	N/A
	Routine waste generation					
	Total hazardous waste directed to disposal	Tonnes	481.92	304.49	388.69	397.61
	Incineration (with energy recovery)	Tonnes	476.42	297.69	382.86	397.61

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	476.42	297.69	382.86	372.84
	Incineration (without energy recovery)	Tonnes	5.24	6.28	5.83	24.70
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	5.24	6.28	5.83	24.70
	Landfilling	Tonnes	0	0	0	0
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	0	0	0	0
	Other disposal operations (storage in packing or containers (used battery))	Tonnes	0.26	0	0	0.07
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	0.26	0	0	0.07
	Total Non-hazardous waste directed to disposal	Tonnes	6,068.93	5,086.43	5,757.84	5,674.20
	Incineration (with energy recovery)	Tonnes	5,592.73	4,817.13	5,585.04	5,674.20
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	5,592.73	4,817.13	5,585.04	5,674.20
	Incineration (without energy recovery)	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	0	0	0	0
	Landfilling	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	0	0	0	0

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Other disposal operations (storage in packing or containers (used battery))	Tonnes	476.20	269.30	172.80	0
	Onsite <sup>[9]</sup>	Tonnes	0	0	0	0
	Offsite	Tonnes	476.20	269.30	172.80	0
	Non-routine waste generation					
	Total hazardous waste directed to disposal	Tonnes	-	-	-	-
	Incineration (with energy recovery)	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Incineration (without energy recovery)	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Landfilling	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Other disposal operations (storage in packing or containers (used battery))	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Total non-hazardous waste directed to disposal	Tonnes	-	-	-	-
	Incineration (with energy recovery)	Tonnes	-	-	-	-

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Incineration (without energy recovery)	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Landfilling	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Municipal waste	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
	Other disposal operations (land reclamation)	Tonnes	-	-	-	-
	Onsite <sup>[9]</sup>	Tonnes	N/A	N/A	N/A	N/A
	Offsite	Tonnes	N/A	N/A	N/A	N/A
306-3	<b>Spills</b>					
	Oil spills	Cases	N/A	N/A	N/A	N/A
		m <sup>3</sup>	N/A	N/A	N/A	N/A
	Volume of spill recovered	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Fuel spills	Cases	N/A	N/A	N/A	N/A
		m <sup>3</sup>	N/A	N/A	N/A	N/A
	Volume of spill recovered	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Water spills	Cases	N/A	N/A	N/A	N/A
		m <sup>3</sup>	N/A	N/A	N/A	N/A
	Volume of spill recovered	m <sup>3</sup>	N/A	N/A	N/A	N/A

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Chemical spills	Cases	N/A	N/A	N/A	N/A
		m <sup>3</sup>	N/A	N/A	N/A	N/A
	Volume of spill recovered	m <sup>3</sup>	N/A	N/A	N/A	N/A
	Flared and Vented Hydrocarbon					
	Volume of flared and vented hydrocarbon	Million m <sup>3</sup>	N/A	N/A	N/A	N/A
2-27	Environmental Violations					
	Number of violations of legal obligations/ regulations	Number	0	0	0	0
	Amount of fines/penalties related to the above	Million baht	0	0	0	0
	Environmental liability accrued at year end	Number	0	0	0	0
2-25	Return on Environmental Investment					
	Total Expenditures	Baht	18,246,509	26,240,000	85,850,000	34,690,000
	Capital investments	Baht	342,000	16,570,000	69,850,000	34,690,000
	Operating expenses	Baht	17,904,509	9,670,000	16,000,000	0
	- Waste disposal, emission treatment, and remediation costs	Baht	N/A	N/A	N/A	N/A
	- Prevention and environmental management costs	Baht	N/A	N/A	N/A	N/A
	Savings, cost avoidance, income, tax incentives, etc.	Baht	8,300,000	21,320,000	136,500,000	13,530,643
	Operations covered (by revenue, production volume, or employees, etc.)	% Of operation covered	100	100	100	100
Denominator - Production / Revenues						

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	Total production volume	Tonnes	531,172	441,660	423,122	442,116
	<b>Life Cycle Assessment</b>					
	Percentage of full product LCAs conducted	% Of total products	N/A	N/A	N/A	N/A
a	Percentage of simplified product LCAs conducted	% Of total products	N/A	N/A	N/A	N/A
	Other	% Of total products	N/A	N/A	N/A	N/A
301-1	<b>Renewable Raw Materials</b>					
	Percent of raw materials by weight or volume are from renewable resources	% Of total products	100	100	100	100
	<b>Exposure to Hazardous Substances</b>					
	Percentage of products containing restricted substance in the Annex XVII of REACH regulation	% Of total products	0	0	0	0
	Percentage of products containing substances of the candidate list of very high concern (SVHC) for authorization above 0.1% by weight	% Of total products	0	0	0	0
	Percentage of products (in terms of revenues) has undergone risk assessment for their potential impact on	% Of Total products	N/A	N/A	N/A	0

Environment						
GRI Standards	Required Data	Unit	Data Collection Period			
			2020	2021	2022	2023
	human health and the environment					
	<b>Low-Carbon Products</b>					
	Avoided GHG emissions for client's products	% Of total revenues from products	78	37	34	65
	Low carbon products	% Of total revenues from products	N/A	25	56	28
305-5	<b>Climate Strategy Impacts</b>					
	Total estimated annual CO <sub>2</sub> savings	Tonnes CO <sub>2</sub> equivalent	1,392.60	2,616.32	1,510.29	3,416.00
	Total annual investment required of anticipated annual CO <sub>2</sub>	Million baht	14	14	0	N/A
	Total anticipated annual cost savings	Million baht	9.40	11.14	6.561	N/A
	GHG annual reduction target at fiscal year	Tonnes CO <sub>2</sub> equivalent	N/A	N/A	N/A	N/A

Remarks:

1. All type of energy included in the intensity ratio and consumed within organization.
2. GHGs emissions based on report of 1) GHGs calculation standard, methodology, emission factors and GWP referred to IPCC 2006, WRI GHG protocol and ISO 14064. 2) The operational control approach for emissions.
3. All greenhouse gases include in the report.
4. Indirect GHG emissions scope 3 categories activities calculated include Category 3 of Fuel and energy-related activities as it has been verified in 2023. However, there is a study of Scope 3 emission without verification of 15 Categories and 5 categories are identified as significant to GGC. Those are comprised of Category 1 Purchased goods and services, Category 4 Upstream transportation and distribution, Category 5 Waste generated in operation, Category 6 Business Activities, and Category 7 Employee Commuting
5. Types of GHG emissions, which are direct (scope 1) and energy indirect (scope 2), included in the intensity ratio.
6. Standards, methodologies, source of emission factors and assumptions used are identified from relevant regulations. The measurement approaches include direct and/or continuous measurement.

7. Information drawn from water meters and calculations derived from available water data.
8. Sum of effluents, used water, and unused water released to surface water, groundwater, seawater, or a third party, for which the organization has no further use, over the course of the reporting period.
9. As defined by National Legislation and there is no on-site storage during reporting year.
10. Wastes from non-routine operations i.e. construction waste. This includes hazardous wastes and non-hazardous wastes.
11. As fully complied with the waste disposal defined by Notification of the Ministry of Industry Re: Disposal of Wastewater or Unused Materials 2005, GGC transfers all waste to external waste disposers for direct disposal (Off-site) only.
12. NOx and SOx is generated from Plant 2 only, as Plant 1 doesn't have combustion stack