

### **Revision History**

<b>Effective Date</b>	<b>Data Version</b>	<b>Description</b>
2022-06-13	1.0	Create Document
2023-03-06	1.5	<ul style="list-style-type: none"><li>- Add some new properties in Sustainability, Corporate Governance Policy and Corporate Governance Structure which are applicable from version 1.5 onwards.</li><li>- Some properties in Sustainability and Corporate Governance Structure are not applicable from version 1.5 onwards.</li><li>- Add new file, Scope, which is applicable from version 1.5 onwards.</li></ul>
2023-10-23	3.0	<ul style="list-style-type: none"><li>- Add list of ESG data</li><li>- Add some new properties in Sustainability, Corporate Governance Policy, Corporate Governance Structure and Scope which are applicable from version 3 onwards.</li><li>- Add appendix</li></ul>
2023-11-16	3.0	<ul style="list-style-type: none"><li>- Add some new properties in Corporate Governance Structure which are applicable from version 3 onwards.</li><li>- Update code in appendix</li></ul>
2023-11-27	3.0	Update description
2023-12-12	3.0	Update some properties in Corporate Governance Structure
2024-01-02	3.0	Add new property in Sustainability

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## 1. List of ESG data

No	Dimension	Issues	Indicators	Unit
1	Environment	Environmental Policy and Practice	Corporate environmental policy and practice	Yes / No
2	Environment	Environmental Policy and Practice	Corporate environmental practices - Electricity Management - Fuel Management - Renewable/Clean Energy Management - Water Management - Waste Management - Biodiversity Management - Greenhouse Gas and Climate Change Management	Yes / No
3	Environment	Energy Management	Electricity consumption	kWh
4	Environment	Energy Management	Electricity expense	Baht
5	Environment	Energy Management	Fuel consumption - Jet fuel (Litre) - Diesel (Litre) - Gasoline (Litre) - Fuel oil (Litre) - Crude oil (Barrel) - Natural gas (Standard Cubic Feet) - LPG (Kilogram) - Steam (Metric Tonne) - Coal (Metric Tonne)	- Litre - Barrel - Standard cubic feet - Kilogram - Metric Tonne
6	Environment	Energy Management	Fuel expense	Baht
7	Environment	Water Management	Water consumption	Cubic meters
8	Environment	Water Management	Water expense	Baht
9	Environment	Waste Management	Non-hazardous waste	Kilograms
10	Environment	Waste Management	Hazardous waste	Kilograms
11	Environment	Greenhouse Gas Management	Total GHG emissions target	tCO2e
12	Environment	Greenhouse Gas Management	Total GHG emissions - scope 1	tCO2e
13	Environment	Greenhouse Gas Management	Total GHG emissions - scope 2	tCO2e
14	Environment	Greenhouse Gas Management	Total GHG emissions - scope 3	tCO2e
15	Environment	Greenhouse Gas Management	Verification of greenhouse gas emissions	Yes / No
16	Social	Human Rights Policy and Practice	Corporate human rights policy and practice	Yes / No
17	Social	Human Rights Policy and Practice	Corporate human rights practices - Employee Rights - Migrant Workers	Yes / No

No	Dimension	Issues	Indicators	Unit
			- Child Labor - Consumer Rights - Community and Environment Rights - Safety and Occupational Health at Work - Non-discrimination	
18	Social	Employment	Total number of male employees	People / %
19	Social	Employment	Total number of female employees	People / %
20	Social	Employment	Total number of male employees under 30 years old	People / %
21	Social	Employment	Total number of male employees 30-50 years old	People / %
22	Social	Employment	Total number of male employees over 50 years old	People / %
23	Social	Employment	Total number of female employees under 30 years old	People / %
24	Social	Employment	Total number of female employees 30-50 years old	People / %
25	Social	Employment	Total number of female employees over 50 years old	People / %
26	Social	Employment	Total number of male employees in operational level	People / %
27	Social	Employment	Total number of male employees in management level	People / %
28	Social	Employment	Total number of male employees in executive level	People / %
29	Social	Employment	Total number of female employees in operational level	People / %
30	Social	Employment	Total number of female employees in management level	People / %
31	Social	Employment	Total number of female employees in executive level	People / %
32	Social	Employee Remuneration	Total male employee remuneration	Baht / %
33	Social	Employee Remuneration	Total female employee remuneration	Baht / %
34	Social	Employee Remuneration	Total number of employees joining employee provident fund	People / %
35	Social	Employee Remuneration	Total amount of provident fund contributed by the Company	Baht
36	Social	Human Capital Development	Average employee training hours	hours/person/year
37	Social	Human Capital Development	Total amount spent on employee training and development	Baht
38	Social	Safety, Occupational Health, and Environment at Work	Total number of lost time injury incidents by employees	No. of incidents/injuries
39	Social	Safety, Occupational Health, and Environment at Work	Total number of employees that lost time injuries for 1 day or more	People / %
40	Social	Safety, Occupational Health, and Environment at Work	Total number of employees that fatalities as a result of work-related injury	People / %
41	Social	Employee Relation and Engagement	Total number of male employee turnover leaving the Company voluntarily	People / %
42	Social	Employee Relation and Engagement	Total number of female employee turnover leaving the Company voluntarily	People / %
43	Social	Employee Relation and Engagement	Significant labor dispute	No. of cases
44	Governance and Economics	Policy and practices related to the Board of Directors	Corporate governance policy	Yes / No

No	Dimension	Issues	Indicators	Unit
45	Governance and Economics	Policy and practices related to the Board of Directors	Policy and practices related to the Board of Directors <ul style="list-style-type: none"> <li>- Nomination of Directors</li> <li>- Determination of Director Remuneration</li> <li>- Independence of the Board of Directors from the Management</li> <li>- Director Development</li> <li>- Board Performance Evaluation</li> <li>- Corporate Governance of Subsidiaries and Associated Companies</li> </ul>	Yes / No
46	Governance and Economics	Policy and practices related to the corporate code of conduct	Code of Conduct	Yes / No
47	Governance and Economics	Policy and practices related to the corporate code of conduct	Policy and Practices related to Code of Conduct <ul style="list-style-type: none"> <li>- Prevention of Conflicts of Interest</li> <li>- Anti-corruption</li> <li>- Whistleblowing and Protection of Whistleblowers</li> <li>- Prevention of Misuse of Inside Information</li> </ul>	Yes / No
48	Governance and Economics	Board of Directors and Executives	List of the Board of Directors General Information of Directors- Name- Gender- Year of birth- Nationality- Highest level of education- Study field of the highest level of education- Residence in Thailand- Skill and expertise- Shares- %Shares Information on Director Tenure- First appointment date of director- Type of director- Director position- Executive director position- Independent director position- Director Accreditation Program (DAP) - Director Certification Program (DCP)	Yes / No
49	Governance and Economics	Board of Directors and Executives	List of Board of Directors who resigned / vacated their position during the year (if any) General Information of Directors <ul style="list-style-type: none"> <li>- Name</li> <li>- Gender</li> <li>- Year of birth</li> <li>- Nationality</li> <li>- Highest level of education</li> <li>- Study field of the highest level of education</li> <li>- Residence in Thailand</li> <li>- Skill and expertise</li> <li>- Shares</li> <li>- %Shares</li> </ul> Information on Director Tenure <ul style="list-style-type: none"> <li>- First appointment date of director</li> <li>- Director termination date</li> </ul>	Yes / No

No	Dimension	Issues	Indicators	Unit
			<ul style="list-style-type: none"> <li>- Director position</li> <li>- Executive director position</li> <li>- Independent director position</li> <li>- Director Accreditation Program (DAP)</li> <li>- Director Certification Program (DCP)</li> <li>- Name of replacement director</li> <li>- Appointment date of replacement director</li> </ul>	
50	Governance and Economics	Board of Directors and Executives	The Chairman of the Board and the Highest-ranking Executive are from the same family	Yes / No
51	Governance and Economics	Board of Directors and Executives	The Company appoints at least one independent director to determine the agenda of the Board of Directors' meeting	Yes / No
52	Governance and Economics	Board of Directors and Executives	<p>List of audit committee members</p> <p>General Information of Audit Committee Members</p> <ul style="list-style-type: none"> <li>- Name</li> <li>- Gender</li> <li>- Year of birth</li> <li>- Nationality</li> <li>- Highest level of education</li> <li>- Study field of the highest level of education</li> <li>- Residence in Thailand</li> <li>- Expertise in accounting information review</li> <li>- Shares</li> <li>- %Shares</li> </ul> <p>Information on Tenure of Audit Committee Member</p> <ul style="list-style-type: none"> <li>- Appointment date of audit committee member</li> <li>- Type of director</li> <li>- Director position</li> <li>- Independent director position</li> <li>- Audit committee position</li> <li>- Director Accreditation Program (DAP)</li> <li>- Director Certification Program (DCP)</li> </ul>	Yes / No
53	Governance and Economics	Board of Directors and Executives	<p>List of audit committee members who resigned / vacated their position during the year (if any)</p> <p>General Information of Audit Committee Members - Name- Gender- Year of birth- Nationality- Highest level of education- Study field of the highest level of education- Residence in Thailand- Expertise in accounting information review- Shares- %Shares</p> <p>Information on Tenure of Audit Committee Member- Appointment date of audit committee member-</p>	Yes / No

No	Dimension	Issues	Indicators	Unit
			Termination date of audit committee member- Director position- Independent director position- Audit committee position- Director Accreditation Program (DAP) - Director Certification Program (DCP)- Name of replacement audit committee member- Appointment date of replacement audit committee member:	
54	Governance and Economics	Board of Directors and Executives	List of executive committee members General Information of Executive Committee Members - Name - Gender - Year of birth - Nationality - Highest level of education - Study field of the highest level of education - Residence in Thailand Information on Tenure of Executive Committee Member - Appointment date of executive committee member - Executive committee position	Yes / No
55	Governance and Economics	Board of Directors and Executives	List of executive committee members who resigned / vacated their position during the year (if any) General Information of Executive Committee Members - Name - Gender - Year of birth - Nationality - Highest level of education - Study field of the highest level of education - Residence in Thailand Information on Tenure of Executive Committee Member - Appointment date of executive committee member - Termination date of executive committee member - Executive committee position - Name of replacement executive committee member - Appointment date of replacement executive committee member	Yes / No
56	Governance and Economics	Board of Directors and Executives	List of other sub-committees - Name of sub-committees - Name - Position	Yes / No

No	Dimension	Issues	Indicators	Unit
			Roles of sub-committees - Risk management - Nomination - Remuneration - Corporate governance - Corporate sustainability development	
57	Governance and Economics	Board of Directors and Executives	The highest-ranking executive and the next four executives General Information of Executives- Name- Gender- Year of birth- Nationality- Highest level of education- Study field of the highest level of education- Skill and expertise- Highest responsibility in corporate accounting and finance- Accounting supervisor Information on Executive Tenure- The highest-ranking executive position- Executive position- Appointment date of executive	Yes / No
58	Governance and Economics	Related Corporate Governance Officers	List of accounting supervisor - Name - Email - Telephone	Yes / No
59	Governance and Economics	Related Corporate Governance Officers	List of company secretary - Name - Email - Telephone	Yes / No
60	Governance and Economics	Related Corporate Governance Officers	List of head of the internal audit or the outsourced internal auditor - Name - Email - Telephone	Yes / No
61	Governance and Economics	Related Corporate Governance Officers	List of head of the compliance unit - Name - Email - Telephone	Yes / No
62	Governance and Economics	Related Corporate Governance Officers	List of head of the investor relation - Name - Email - Telephone (if any)	Yes / No
63	Governance and Economics	Accounting Auditors	Names and general information of auditors - Firm - Audit fee (Baht) - Name of auditors - Email	Yes / No



No	Dimension	Issues	Indicators	Unit
			- Telephone (if any) - Non-audit fee (Baht) - Detail of non-audit fee (TH/EN)	
64	Governance and Economics	Performance Report on Corporate Governance	Number of the Board of Directors meeting over the past year (times)	No. of meetings
65	Governance and Economics	Performance Report on Corporate Governance	Date of AGM meeting	Numeric
66	Governance and Economics	Performance Report on Corporate Governance	EGM meeting	Numeric
67	Governance and Economics	Performance Report on Corporate Governance	Number of attended meetings in the Board of Directors over the past year by list of directors	No. of meetings
68	Governance and Economics	Performance Report on Corporate Governance	Number of required meetings in the Board of Directors over the past year by list of directors	No. of meetings
69	Governance and Economics	Performance Report on Corporate Governance	List of directors attended AGM meeting	Yes / No
70	Governance and Economics	Performance Report on Corporate Governance	List of directors attended EGM meeting	Yes / No
71	Governance and Economics	Performance Report on Corporate Governance	Number of the audit committee meeting over the past year	Numeric
72	Governance and Economics	Performance Report on Corporate Governance	Number of attended meetings in the audit committee meeting over the past year by list of directors	No. of meetings
73	Governance and Economics	Performance Report on Corporate Governance	Number of required meetings in the audit committee meeting over the past year by list of directors	No. of meetings
74	Governance and Economics	Performance Report on Corporate Governance	Director remuneration policy and criteria of the Company	Yes / No
75	Governance and Economics	Performance Report on Corporate Governance	Meeting Allowance (Baht) by list of directors	Baht
76	Governance and Economics	Performance Report on Corporate Governance	Other Monetary Remuneration (Baht) by list of directors	Baht
77	Governance and Economics	Performance Report on Corporate Governance	Other Non-monetary Remuneration by list of directors	Yes / No
78	Governance and Economics	Performance Report on Corporate Governance	Executive remuneration policy and criteria of the Company	Yes / No
79	Governance and Economics	Performance Report on Corporate Governance	Total executive remuneration (Baht)	Baht
80	Governance and Economics	Performance Report on Corporate Governance	Employee Joint Investment Program (EJIP)	Yes / No

No	Dimension	Issues	Indicators	Unit
81	Governance and Economics	Performance Report on Corporate Governance	Employee Stock Ownership Plan (ESOP)	Yes / No
82	Governance and Economics	Performance Report on Corporate Governance	Development and training of directors	Yes / No
83	Governance and Economics	Performance Report on Corporate Governance	Means of performance evaluation of the Board of Directors - Group assessment - Self-assessment - Cross-assessment	Yes / No
84	Governance and Economics	Sustainability Policy and Strategy	Corporate sustainability policy	Yes / No
85	Governance and Economics	Sustainability Policy and Strategy	Corporate sustainability report	Yes / No
86	Governance and Economics	Sustainability Policy and Strategy	Company sustainability disclosure aligned with guidelines - GRI Standards - UN Global Compact - Carbon Disclosure Project (CDP) - Task Force on Climate-related Financial Disclosures (TCFD) - Integrated Report - Sustainability Accounting Standards Board (SASB)	Yes / No

## 2. File specification

Header File	
File Name	header.csv
Format Type	CSV format (Pipe Delimited)
Description	The header file contains the latest ESG data of all available companies with zip file name and update date.

### Specification

No.	Field Name	Type	Description
1	Symbol	String	Security symbol
2	Company ID	Number	Orderbook ID of trading system
3	Fiscal	Number	Data year of One Report in YYYY format
4	Language	String	Language of One Report - TH = Thai - EN = English - BOTH = Both Thai & English
5	File Name	String	Zip file name of each company
6	Update Date	String	Update date in YYYY-MM-DD format
7	Type	String	Type of One Report - '0' = Normal case - '1' = Change business case

Sustainability	
File Name	<Symbol>_SUSTAINABILITY_<asOfYear>_JSON.json
Format Type	JSON format

### Specification

No.	Properties	Type	Description
1	reportId	Number/Integer	Report ID
2	version	Number/Decimal	Report version - In case there is no version field, the data is considered to be version 1
3	symbol	String (20)	Security symbol
4	asOfYear	Number/Integer	Year of One Report in "YYYY" format
5	language	String (1)	Language - T = Thai - E = English - B = Both
6	Th	Array	#th (ESG data in Thai)
7	En	Array	#en (ESG data in English)

### #th & #en

No	Structure	Properties	Type	Description
1	sustainability.sustainabilityPolicyAndGoal sustainability.environmentalSustainabilityMgmt sustainability.socialSustainabilityMgmt	policy	String (1)	Policy and Standards (Sustainability management policy and targets / Environmental policy and standards / Policy and standard for social dimension) - Y = Yes - N = No
2		policyUrl	String (500)	URL of Policy
3		remark	String (5000)	Remark (Applicable from version 3 onwards)
4	sustainability.environmentIssue	electric	String (1)	Electricity Management (Applicable from version 1.5 onwards) - Y = Yes - N = No
5		fuel	String (1)	Fuel Management (Applicable from version 1.5 onwards) - Y = Yes - N = No
6		renewable	String (1)	Renewable/Clean Energy Management (Applicable from version 1.5 onwards)

				- Y = Yes - N = No
7		water	String (1)	Water Management (Applicable from version 1.5 onwards) - Y = Yes - N = No
8		waste	String (1)	Waste Management (Applicable from version 1.5 onwards) - Y = Yes - N = No
9		biodiversity	String (1)	Biodiversity Management (Applicable from version 1.5 onwards) - Y = Yes - N = No
10		ghGas	String (1)	Biodiversity Management (Applicable from version 1.5 onwards) - Y = Yes - N = No
11		remark	String (5000)	Remark (Applicable from version 3 onwards)
12	sustainability.environmentalPerformance	fuel	String (1)	Fuel consumption (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
13		electric	String (1)	Electricity consumption (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
14		water	String (1)	Water consumption (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
15		waste	String (1)	The amount of waste management (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
16		ghGas	String (1)	The amount of greenhouse gas emissions (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
17		verifyDeptOfGhGas	String (1)	Verification of greenhouse gas emissions - Y = Yes - N = No information
18		verifyDeptOfGhGasLabel	String (255)	Name of the Greenhouse Gas Reporting Inspectorate
19		verifyDeptOfGhGasRemark	String (5000)	Remark (Applicable from version 3 onwards)
20		fuelSummary	Array	#fuelSummary
21		otherFuelSummary	Array	#otherFuelSummary (Applicable from version 3 onwards)
22	energyRemark	String (5000)	Remark (Applicable from version 3 onwards)	
23	energyConsumptionPerUnit	Array	#energyConsumptionPerUnit (Applicable from version 3 onwards)	

24		energyConsumptionPerUnitRemark	String (5000)	Remark (Applicable from version 3 onwards)
25		electricSummary	Array	#electricSummary
26		electricConsumptionPerUnit	Array	#electricConsumptionPerUnit (Applicable from version 3 onwards)
27		electricConsumptionPerUnitRemark	String (5000)	Remark (Applicable from version 3 onwards)
28		waterSummary	Array	#waterSummary
29		waterConsumptionPerUnit	Array	#waterConsumptionPerUnit (Applicable from version 3 onwards)
30		waterConsumptionPerUnitRemark	String (5000)	Remark (Applicable from version 3 onwards)
31		wasteSummary	Array	#wasteSummary
32		greenHouseGasSummary	Array	#greenHouseGasSummary
33		greenHouseGasConsumptionPerUnit	Array	#greenHouseGasConsumptionPerUnit (Applicable from version 3 onwards)
34		greenHouseGasConsumptionPerUnitRemark	String (5000)	Remark (Applicable from version 3 onwards)
35		greenHouseGasGasProject	Array	#greenHouseGasGasProject (Applicable from version 3 onwards)
36		greenHouseGasMgmtPlan	Array	#greenHouseGasMgmtPlan (Applicable from version 3 onwards)
37	#fuelSummary	asOfYear	Number/Decimal	Amount of consumption / emission (of a report year)
38	#electricSummary	asOfYesteryear	Number/Decimal	Amount of consumption / emission (of a year before report year)
39	#waterSummary	asOfYearBeforeYesteryear	Number/Decimal	Amount of consumption / emission (of 2 years before report year)
40	#wasteSummary #greenHouseGasSummary	choice	String (1)	Consumption / Emission information (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
41		code	String (100)	Code of environmental performance
42		description	String (150)	Description of environmental performance
43		sequence	Number/Integer	
44		remark	String (5000)	Remark (Applicable from version 3 onwards)
45	#otherFuelSummary	asOfYear	Number/Decimal	Amount of consumption / emission (of a report year)
46		asOfYesteryear	Number/Decimal	Amount of consumption / emission (of a year before report year)
47		asOfYearBeforeYesteryear	Number/Decimal	Amount of consumption / emission (of 2 years before report year)
48		id	Number/Integer	Code of other fuel performance
49		description	String (150)	Description of other fuel performance
50		sequence	Number/Integer	
51		energyConsumptionUnit	Array	#energyConsumptionUnit
52	#energyConsumptionUnit	code	String (100)	Code of energy consumption unit
53		description	String (150)	Description of energy consumption unit
54	#greenHouseGasGasProject	reductionProject	Array	#reductionProject
55		otherReductionProject	Array	#otherReductionProject

56		reductionProjectRemark	String (5000)	Greenhouse gas reduction project
57		absorptionProject	Array	#absorptionProject
58		otherAbsorptionProject	Array	#otherAbsorptionProject
59		absorptionProjectRemark	String (5000)	Greenhouse gas absorption project
60	#energyConsumptionPerUnit	asOfYear	Number/Decimal	Amount of consumption / emission (of a report year)
61	#electricityConsumptionPerUnit	asOfYesteryear	Number/Decimal	Amount of consumption / emission (of a year before report year)
62	#waterConsumptionPerUnit	asOfYearBeforeYesteryear	Number/Decimal	Amount of consumption / emission (of 2 years before report year)
63	#greenHouseGasConsumptionPerUnit	code	String (100)	Code of consumption per unit / project
64	#reductionProject	description	String (150)	Description of consumption per unit / project
65	#absorptionProject	sequence	Number/Integer	
66	#otherReductionProject	asOfYear	Number/Decimal	Amount of consumption / emission (of a report year)
67	#otherAbsorptionProject	asOfYesteryear	Number/Decimal	Amount of consumption / emission (of a year before report year)
68		asOfYearBeforeYesteryear	Number/Decimal	Amount of consumption / emission (of 2 years before report year)
69		code	String (100)	Code of project
70		description	String (150)	Description of project
71		sequence	Number/Integer	
72		id	Number/Integer	ID of project
73	#greenHouseGasMgmtPlan	policy	String (1)	Green House Gas Management Plan - Y = Yes - N = No
74		policyUrl	String (500)	URL of Green House Gas Management Plan
75		remark	String (5000)	Green House Gas Management Plan remark
76	sustainability.humanRightsIssue	foreignWorker	String	Foreign Worker (Applicable from version 1.5 onwards) - Y = Yes - N = No
77		childLabor	String (1)	Child Labor (Applicable from version 1.5 onwards) - Y = Yes - N = No
78		consumerRights	String (1)	Consumer Rights (Applicable from version 1.5 onwards) - Y = Yes - N = No
79		communityAndEnvironmentRights	String (1)	Community and Environment Rights (Applicable from version 1.5 onwards) - Y = Yes - N = No
80		occupationalSafety	String (1)	Safety and Occupational Health at Work (Applicable from version 1.5 onwards) - Y = Yes - N = No

81		employeeRights	String (1)	Employee Rights (Applicable from version 1.5 onwards) - Y = Yes - N = No
82		nonDiscrimination	String (1)	Non-discrimination (Applicable from version 1.5 onwards) - Y = Yes - N = No
83		remark	String (5000)	Remark (Applicable from version 3 onwards)
84	sustainability.socialPerformance	employeeTraining	String (1)	Employee development and training (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
85		employeeSafety	String (1)	Health, Safety and Work Environment (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
86		employeeRelationship	String (1)	Employee retention (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
87		Csr	String (1)	CSR (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
88		employeeInfo	Array	#employeeInfo
89		totalEmployeeRemark	String (5000)	Remark (Applicable from version 3 onwards)
90		maleAgeGroupRemark	String (5000)	Remark (Applicable from version 3 onwards)
91		femaleAgeGroupRemark	String (5000)	Remark (Applicable from version 3 onwards)
92		malePositionRemark	String (5000)	Remark (Applicable from version 3 onwards)
93		femalePositionRemark	String (5000)	Remark (Applicable from version 3 onwards)
94		disabledEmployeeRemark	String (5000)	Remark (Applicable from version 3 onwards)
95		employeeRemunerationInfo	Array	#employeeRemunerationInfo
96		employeeTrainingInfo	Array	#employeeTrainingInfo
97		employeeSafetyInfo	Array	#employeeSafetyInfo
98		employeeRelationshipInfo	Array	#employeeRelationshipInfo
99		csrActivities	Array	#csrActivities Not Applicable from version 1.5 onwards
100		laborDispute	Array	#laborDispute - Applicable from version 1.5 onwards
101	#employeeInfo	asOfYear	Number/Decimal	Amount of employee information (of a report year)
102		asOfYesteryear	Number/Decimal	Amount of employee information (of a year before report year)
103		asOfYearBeforeYesteryear	Number/Decimal	Amount of employee information (of 2 years before report year)
104		code	String (100)	Code of employee information
105		description	String (150)	Description of employee information



106		sequence	Number/Integer	
107	#employeeTrainingInfo	asOfYear	Number/Decimal	Amount of employee information (of a report year)
108	#employeeSafetyInfo	asOfYesteryear	Number/Decimal	Amount of employee information (of a year before report year)
109	#employeeRelationshipInfo	asOfYearBeforeYesteryear	Number/Decimal	Amount of employee information (of 2 years before report year)
110	#employeeRemunerationInfo	choice	String (1)	Consumption / Emission information (Not Applicable from version 1.5 onwards) - Y = Yes - N = No information
111		code	String (100)	Code of employee information
112		description	String (150)	Description of employee information
113		sequence	Number/Integer	
114		remark	String (5000)	Remark (Applicable from version 3 onwards)
115	#laborDispute	asOfYear	String (1)	- Y = Yes - N = No
116		asOfYesteryear	String (1)	- Y = Yes - N = No
117		asOfYearBeforeYesteryear	String (1)	- Y = Yes - N = No
118		code	String (100)	Code of employee information
119		description	String (150)	Description of employee information
120		sequence	Number/Integer	
121		remark	String (5000)	Remark (Applicable from version 3 onwards)
122	#csrActivities	code	String (100)	Code of CSR activities (Not Applicable from version 1.5 onwards)
123		description	String (150)	Description of CSR activities (Not Applicable from version 1.5 onwards)
124		sequence	Number/Integer	Not Applicable from version 1.5 onwards
125	sustainability.sustainabilityStandard	reportPolicy	String (1)	Report policy (Applicable from version 1.5 onwards) - Y = Yes - N = No
126		url	String (500)	Report policy URL (Applicable from version 1.5 onwards)
127		gri	String (1)	GRI Standards (Applicable from version 1.5 onwards) - Y = Yes - N = No
128		un	String (1)	UN Global Compact (Applicable from version 1.5 onwards) - Y = Yes - N = No
129		cdp	String (1)	Carbon Disclosure Project (CDP) (Applicable from version 1.5 onwards) - Y = Yes - N = No
130		tcfcd	String (1)	Task Force on Climate-related Financial Disclosures (TCFD) (Applicable from version 1.5 onwards)

				- Y = Yes - N = No
131		integratedReport	String (1)	Integrated Report (Applicable from version 1.5 onwards) - Y = Yes - N = No
132		sasb	String (1)	Sustainability Accounting Standards Board (SASB) (Applicable from version 1.5 onwards) - Y = Yes - N = No
133		remark	String (5000)	Remark (Applicable from version 3 onwards)

Corporate Governance Policy	
File Name	<Symbol>_CORPORATEGOVERNANCEPOLICY_<asOfYear>_JSON.json
Format Type	JSON format

### Specification

No.	Properties	Type	Description
1	reportId	Number/Integer	Report ID
2	version	Number/Decimal	Report version - In case there is no version field, the data is considered to be version 1
3	symbol	String (20)	Security symbol
4	asOfYear	Number/Integer	Year of One Report in "YYYY" format
5	language	String (1)	Language - T = Thai - E = English - B = Both
6	Th	Array	#th (ESG data in Thai)
7	En	Array	#en (ESG data in English)

### #th & #en

No	Structure	Properties	Type	Description
1	corporateGovernancePolicy	url	String (500)	URL of corporate governance policy
2		cgPolicy	String (1)	Corporate Governance Policy (Applicable from version 1.5 onwards) - Y = Yes - N = No
3		remark	String (5000)	Remark
4	corporateGovernancePolicy.directorPolicy	nomination	String (1)	Nomination of Directors - Y = Yes - N = No
5		compensation	String (1)	Compensation - Y = Yes - N = No
6		independent	String (1)	The Independent of the Board of Directors - Y = Yes - N = No

7	corporateGovernancePolicy.codeOfConduct	development	String (1)	Development of Directors - Y = Yes - N = No
8		performance	String (1)	Board Performance Evaluation - Y = Yes - N = No
9		subsidiariesCg	String (1)	Corporate Governance of Subsidiaries and Associated - Y = Yes - N = No
10		remark	String (5000)	Remark
11		url	String (500)	- URL of corporate governance policy - Applicable from version 1.5 onwards
12		codeOfConduct	String (1)	Code of Conduct - Y = Yes - N = No
13		codeOfConductRemark	String (5000)	Code of conduct remark
14		insideInfo	String (1)	Protecting Usage of Inside Information - Y = Yes - N = No
15		conflictsOfInterest	String (1)	Prevention of Conflicts of Interest - Y = Yes - N = No
16		antiCorruption	String (1)	Anti-corruption - Y = Yes - N = No
17	whistleBlowing	String (1)	Whistleblowing - Y = Yes - N = No	
18	policyAndPracticesRemark	String (5000)	Policy and practices remark	

Corporate Governance Structure	
File Name	<Symbol>_CORPORATEGOVERNANCESTRUCTURE_<asOfYear>_JSON.json
Format Type	JSON format

### Specification

No.	Properties	Type	Description
1	reportId	Number/Integer	Report ID
2	version	Number/Decimal	Report version - In case there is no version field, the data is considered to be version 1
3	symbol	String (20)	Security symbol
4	asOfYear	Number/Integer	Year of One Report in "YYYY" format
5	language	String (1)	Language - T = Thai - E = English - B = Both
6	Th	Array	#th (ESG data in Thai)
7	En	Array	#en (ESG data in English)

### #th & #en

No	Structure	Properties	Type	Description
1	corporateGovernanceStructure.boardCom position	total	Number/Integer	Total number of directors
2		totalMale	Number/Integer	Number of male directors
3		totalFemale	Number/Integer	Number of female directors
4		percentTotal	Number/Decimal	Applicable from version 1.5 onwards
5		percentTotalMale	Number/Decimal	Applicable from version 1.5 onwards
6		percentTotalFemale	Number/Decimal	Applicable from version 1.5 onwards
7		totalIndependent	Number/Integer	Number of independent directors
8		totalMaleIndependent	Number/Integer	- Number of male independent directors - Applicable from version 1.5 onwards
9		totalFemaleIndependent	Number/Integer	- Number of female independent directors - Applicable from version 1.5 onwards
10		percentTotalIndependent	Number/Decimal	Applicable from version 1.5 onwards
11		percentTotalMaleIndependent	Number/Decimal	Applicable from version 1.5 onwards

12		percentTotalFemaleIndependent	Number/Decimal	Applicable from version 1.5 onwards
13		totalExecutive	Number/Integer	Number of executive directors
14		totalMaleExecutive	Number/Integer	- Number of male executive directors - Applicable from version 1.5 onwards
15		totalFemaleExecutive	Number/Integer	- Number of female executive directors - Applicable from version 1.5 onwards
16		percentTotalExecutive	Number/Decimal	Applicable from version 1.5 onwards
17		percentTotalMaleExecutive	Number/Decimal	Applicable from version 1.5 onwards
18		percentTotalFemaleExecutive	Number/Decimal	Applicable from version 1.5 onwards
19		totalNonExecutive	Number/Integer	Number of non-executive directors
20		totalMaleNonExecutive	Number/Integer	- Number of male non-executive directors - Applicable from version 1.5 onwards
21		totalFemaleNonExecutive	Number/Integer	- Number of female non-executive directors - Applicable from version 1.5 onwards
22		percentTotalNonExecutive	Number/Decimal	Applicable from version 1.5 onwards
23		percentTotalMaleNonExecutive	Number/Decimal	Applicable from version 1.5 onwards
24		percentTotalFemaleNonExecutive	Number/Decimal	Applicable from version 1.5 onwards
25		averageAgeDirector	Number/Integer	- An average age of directors - Applicable from version 1.5 onwards
26		averMaleAgeDirector	Number/Integer	- An average age of male directors - Applicable from version 1.5 onwards
27		averFemaleAgeDirector	Number/Integer	- An average age of female directors - Applicable from version 1.5 onwards
28		totalNonExecutiveAndNotIndependent	Number/Integer	- Total number of non-executive and not independent directors - Applicable from version 3 onwards
29		totalMaleNonExecutiveAndNotIndependent	Number/Integer	- Total number of male non-executive and not independent directors - Applicable from version 3 onwards
30		totalFemaleNonExecutiveAndNotIndependent	Number/Integer	- Total number of female non-executive and not independent directors - Applicable from version 3 onwards
31		percentTotalNonExecutiveAndNotIndependent	Number/Decimal	- Percentage of non-executive and not independent directors - Applicable from version 3 onwards
32		percentTotalMaleNonExecutiveAndNotIndependent	Number/Decimal	- Percentage of male non-executive and not independent directors - Applicable from version 3 onwards
33		percentTotalFemaleNonExecutiveAndNotIndependent	Number/Decimal	- Percentage of female non-executive and not independent directors - Applicable from version 3 onwards
34	corporateGovernanceStructure.bodInfo	bods	Array	#bods

35		retiredBods	Array	#retiredBods
36		independentChairman	String (1)	The Chairman is an independent director - Y = Yes - N = No
37		samePerson	String (1)	The Chairman and the Managing Director are the same person - Y = Yes - N = No
38		sameFamily	String (1)	The Chairman and Managing Director are person from the same family - Y = Yes - N = No
39		sameFamilyRemark	String (5000)	- Applicable from version 3 onwards
40		independentDetermineAgenda	String (1)	The company appoints at least one independent director to determine the agenda of the Board of Directors' meetings - Y = Yes - N = No
41		independentDetermineAgendaRemark	String (5000)	Applicable from version 3 onwards
42		totalMeetingAllowance	Number/Decimal	- Total meeting allowance - Applicable from version 1.5 onwards
43		totalOtherRemuneration	Number/Decimal	- Other remuneration - Applicable from version 1.5 onwards
44		totalDirectorRemuneration	Number/Decimal	- Director remuneration - Applicable from version 1.5 onwards
45		newlyAppointedDirectors	Array	#newlyAppointedDirectors - Applicable from version 1.5 onwards
46		newlyAppointedDirectortoReplaceExdirector	Array	#newlyAppointedDirectortoReplaceExdirector - Applicable from version 1.5 onwards
47		newlyAppointedDirectorNotBeingReplacedExdirector	Array	#newlyAppointedDirectorNotBeingReplacedExdirector - Applicable from version 1.5 onwards
48		bodsRemark	String (5000)	Applicable from version 3 onwards
49		retiredBodsRemark	String (5000)	Applicable from version 3 onwards
50	#bods	id	Number/Integer	Board ID
51	#retiredBods	titleCode	String (100)	Code of title
52	#newlyAppointedDirectors	titleDescription	String (150)	Description of title
53	#newlyAppointedDirectortoReplaceExdirector	otherTitle	String (100)	
54	#newlyAppointedDirectorNotBeingReplacedExdirector	firstName	String (80)	
55		lastName	String (100)	
56		gender	String (1)	Gender - M = Male - F = Female

57		yearOfBirth	Number/Integer	
58		maxEducateLevel.code	String (100)	Code of education level
59		maxEducateLevel.description	String (150)	Description of education level
60		maxEducateDepartment.code	Number (100)	Code of faculty of education
61		maxEducateDepartment.description	String (150)	Description of faculty of education
62		otherMaxEducateDept	String (150)	Description of faculty of education (in case maxEducateDepartment.description = Other)
63		thaiNationality	String (1)	Nationality - Y = Thai - N = Other
64		boardProfileNationalities	Array	#boardProfileNationalities - Applicable from version 1.5 onwards
65		thaiResidence	String (1)	Residence - Y = Resident in Thailand - N = Resident in other countries
66		shares	Number/Decimal	Number of shares
67		percentShares	Number/Decimal	Percentage of number of shares
68		percentDirectorMeetingAttendance	Number/Decimal	Percentage of director meeting attendance
69		position.code	String (100)	Code of board of director position
70		position.description	String (150)	Description of board of director position
71		boardStatus.code	String (100)	Code of board of director status
72		boardStatus.description	String (150)	Description of board of director status
73		independent	String (1)	Independent status - Y = Independent board of director - N = Non-Independent board of director
74		startDate	String	Date in YYYY-MM-DD format
75		sequence	Number/Integer	
76		experienceExpertise	Array	#experienceExpertise
77		directorType.code	String (100)	Code of director type
78		directorType.description	String (150)	Description of director type
79		dap	String (1)	Director Accreditation Program (DAP) - Y = Yes - N = No
80		dcp	String (1)	Director Certification Program (DCP) - Y = Yes - N = No



81	training	String (1)	Development Training - Y = Participate - N = Not Participate
82	totalBoardMeetingAttendance	Number/Integer	Number of Board meeting attendance (times)
83	totalBoardMeeting	Number/Integer	Total number of Board meetings (times)
84	agmMeeting	String (1)	Attendance of Annual General Meeting (AGM) '- Y = Attended - N = Not Attended
85	egmMeeeting	String (1)	Attendance of extraordinary general meeting (EGM) '- Y = Attended - N = Not Attended
86	totalEgmMeetingAttendance	Number/Integer	- Number of Extra General meeting attendance (times) - Not Applicable from version 1.5 onwards
87	totalEgmMeeting	Number/Integer	- Total number of Extra General meetings (times) - Not Applicable from version 1.5 onwards
88	salary	Number/Decimal	- Salary (Baht) - Not Applicable from version 1.5 onwards
89	bonus	Number/Decimal	- Bonus (Baht) - Not Applicable from version 1.5 onwards
90	meetingAllowance	Number/Decimal	Meeting allowance (Baht)
91	otherRemuneration	Number/Decimal	Other remuneration (Baht)
92	nonMonetaryRemuneration	String (1)	- Non monetary remuneration - Applicable from version 1.5 onwards
93	directorTraining	Array	#directorTraining (Applicable from version 3 onwards)
94	totalRemuneration	Number/Decimal	- Total remuneration (Baht) - Not Applicable from version 1.5 onwards
95	esop	String (1)	ESOP Remuneration - Y = Yes - N = No ESOP remuneration Not Applicable from version 1.5 onwards
96	ejip	String (1)	EJIP Remuneration - Y = Yes - N = No EJIP remuneration Not Applicable from version 1.5 onwards
97	dandO	String (1)	Directors and Officers Liability Insurance (D&O) - Y = Yes - N = No D&O remuneration Not Applicable from version 1.5 onwards
98	endDate	String	- Date in YYYY-MM-DD format - Applicable for #retiredBods only

99		represent.id	Number/Integer	- Board ID - Applicable for #retiredBods only
100		represent.titleCode	String (100)	- Code of title - Applicable for #retiredBods only
101		represent.titleDescription	String (150)	- Description of title - Applicable for #retiredBods only
102		represent.otherTitle	String (100)	Applicable for #retiredBods only
103		represent.firstName	String (80)	Applicable for #retiredBods only
104		represent.lastName	String (100)	Applicable for #retiredBods only
105		represent.representDate	String	- Date in YYYY-MM-DD format - Applicable for #retiredBods only
106	#boardProfileNationalities	code	String (100)	Code of Nationality
107		description	String (150)	Description of Nationality
108		sequence	Number/Integer	
109	#experienceExpertise	code	String (100)	Code of expertise
110		description	String (150)	Description of expertise
111		sequence	Number/Integer	
112	#directorTraining	course	Array	#course
113		otherCourse	Array	#otherCourse
114	#course	code	String (100)	Code of course
115		description	String (200)	Description of course
116		sequence	Number/Integer	sequence
117		year	Number/Integer	training year
118		institution	Array	#institution
119	#otherCourse	id	Number/Integer	ID of course
120		description	String (200)	Description of director training
121		sequence	Number/Integer	sequence
122		year	Number/Integer	training year
123	#institution	code	String (100)	Code of institution
124		description	String (200)	Description of institution
125	corporateGovernanceStructure.subCommitteesInfo	auditCommittees	Array	#auditCommittees
126		retiredAuditCommittees	Array	#retiredAuditCommittees
127		auditCommitteesRemark	String (5000)	Applicable from version 3 onwards
128		retiredAuditCommitteesRemark	String (5000)	Applicable from version 3 onwards
129	#auditCommittees	id	Number/Integer	Board ID
130	#retiredAuditCommittees	titleCode	String (100)	Code of title

131		titleDescription	String (150)	Description of title
132		otherTitle	String (100)	
133		firstName	String (80)	
134		lastName	String (100)	
135		gender	String (1)	Gender - M = Male - F = Female
136		yearOfBirth	Number/Integer	
137		maxEducateLevel.code	String (100)	Code of education level
138		maxEducateLevel.description	String (150)	Description of education level
139		maxEducateDepartment.code	String (100)	Code of faculty of education
140		maxEducateDepartment.description	String (150)	Description of faculty of education
141		otherMaxEducateDept	String (150)	
142		thaiNationality	String (1)	Nationality - Y = Thai - N = Other
143		boardProfileNationalities	Array	#boardProfileNationalities (Applicable from version 1.5 onwards)
144		thaiResidence	String (1)	Residence - Y = Resident in Thailand - N = Resident in other countries
145		position.code	String (100)	Code of board of director position
146		position.description	String (150)	Description of board of director position
147		boardStatus.code	String (100)	Code of board of director status
148		boardStatus.description	String (150)	Description of board of director status
149		independent	String (1)	Independent status - Y = Independent board of director - N = Non-Independent board of director
150		startDate	String	Date in YYYY-MM-DD format
151		sequence	Number/Integer	
152		experienceExpertise	Array	#experienceExpertise
153		directorType.code	String (100)	Code of director type
154		directorType.description	String (150)	Description of director type
155		reviewRole	String (1)	Audit Committee has expertise in accounting - Y = Yes - N = No
156		totalMeetingAttendance	Number/Integer	Number of Audit committee meetings (times)
157		totalMeeting	Number/Integer	Total number of Audit committee meetings (times)

158		percentAuditDirectorMeetingAttendance	Number/Decimal	Percentage of audit committee meeting attendance
159		endDate	String	- Date in YYYY-MM-DD format - Applicable for #retiredAuditCommittees only
160		represent.id	Number/Integer	Applicable for #retiredAuditCommittees only
161		represent.titleCode	String (100)	Applicable for #retiredAuditCommittees only
162		represent.titleDescription	String (150)	Applicable for #retiredAuditCommittees only
163		represent.otherTitle	String (100)	Applicable for #retiredAuditCommittees only
164		represent.firstName	String (80)	Applicable for #retiredAuditCommittees only
165		represent.lastName	String (100)	Applicable for #retiredAuditCommittees only
166		represent.representDate	String	- Date in YYYY-MM-DD format - Applicable for #retiredAuditCommittees only
167	#boardProfileNationalities	code	String (100)	Code of Nationality
168		description	String (150)	Description of Nationality
169		sequence	Number/Integer	
170	#experienceExpertise	code	String (100)	Code of expertise
171		description	String (150)	Description of expertise
172		sequence	Number/Integer	
173	corporateGovernanceStructure.executiveCommitteeInfo	executiveCommittees	Array	#executiveCommittees (Applicable from version 1.5 onwards)
174		retiredExecutiveCommittees	Array	#retiredExecutiveCommittees (Applicable from version 1.5 onwards)
175		executiveCommitteesRemark	String (5000)	Applicable from version 3 onwards
176		retiredExecutiveCommitteesRemark	String (5000)	Applicable from version 3 onwards
177	#executiveCommittees	id	Number/Integer	Board ID
178	#retiredExecutiveCommittees	titleCode	String (100)	Code of title
179		titleDescription	String (150)	Description of title
180		otherTitle	String (100)	
181		firstName	String (80)	
182		lastName	String (100)	
183		gender	String (1)	Gender - M = Male - F = Female
184		yearOfBirth	Number/Integer	
185		maxEducateLevel.code	String (100)	Code of education level
186		maxEducateLevel.description	String (150)	Description of education level
187		maxEducateDepartment.code	String (100)	Code of faculty of education

188		maxEducateDepartment.description	String (150)	Description of faculty of education
189		otherMaxEducateDept	String (150)	
190		thaiNationality	String (1)	Nationality - Y = Thai - N = Other
191		boardProfileNationalities	Array	#boardProfileNationalities
192		thaiResidence	String (1)	Residence - Y = Resident in Thailand - N = Resident in other countries
193		startDate	String	Date in YYYY-MM-DD format
194		sequence	Number/Integer	
195		position.code	String (100)	Code of board of director position
196		position.description	String (150)	Description of board of director position
197		endDate	String	- Date in YYYY-MM-DD format - Applicable for #retiredBods only
198		represent.id	Number/Integer	- Board ID - Applicable for #retiredBods only
199		represent.titleCode	String (100)	- Code of title - Applicable for #retiredBods only
200		represent.titleDescription	String (150)	- Description of title - Applicable for #retiredBods only
201		represent.otherTitle	String (100)	Applicable for #retiredBods only
202		represent.firstName	String (180)	Applicable for #retiredBods only
203		represent.lastName	String (100)	Applicable for #retiredBods only
204		represent.representDate	String	- Date in YYYY-MM-DD format - Applicable for #retiredBods only
205	#boardProfileNationalities	code	String (100)	Code of Nationality
206		description	String (150)	Description of Nationality
207		sequence	Number/Integer	
208	corporateGovernanceStructure.subCommitteesInfo.otherSubCommittees	otherSubCommitteesInfo	Array	#otherSubCommitteesInfo
209		subCommitteeRemark	String (5000)	Applicable from version 3 onwards
210		subCommitteeRoles.riskManagement	String (1)	Sub-committee for Risk Management - Y = Yes - N = No
211		subCommitteeRoles.riskManagementSubCommitteeId	Number/Integer	Sub-committees ID for Risk Management
212		subCommitteeRoles.riskManagementRemark	String (5000)	Applicable from version 3 onwards

213		subCommitteeRoles.nomination	String (1)	Sub-committees for Nomination - Y = Yes - N = No
214		subCommitteeRoles.nominationSubCommitteeId	Number/Integer	Sub-committees ID for Nomination
215		subCommitteeRoles.nominationRemark	String (5000)	Applicable from version 3 onwards
216		subCommitteeRoles.remuneration	String (1)	Sub-committees for Remuneration - Y = Yes - N = No
217		subCommitteeRoles.remunerationSubCommitteeId	Number/Integer	Sub-committees ID for Remuneration
218		subCommitteeRoles.remunerationRemark	String (5000)	Applicable from version 3 onwards
219		subCommitteeRoles.nominationRemuneration	String (1)	Sub-committees for Corporate Governance - Y = Yes - N = No
220		subCommitteeRoles.nominationRemunerationSubCommitteeId	Number/Integer	Sub-committees ID for Corporate Governance
221		subCommitteeRoles.nominationRemunerationRemark	String (5000)	Applicable from version 3 onwards
222		subCommitteeRoles.sustainability	String (1)	Sub-committees for Corporate Sustainability Development - Y = Yes - N = No
223		subCommitteeRoles.sustainabilitySubCommitteeId	Number/Integer	Sub-committees ID for Corporate Sustainability Development
224		subCommitteeRoles.sustainabilityRemark	String (5000)	Applicable from version 3 onwards
225	#otherSubCommitteesInfo	subCommitteeId	Number/Integer	Sub-Committee ID
226		subCommitteeName	String (120)	
227		subCommittees	Array	#subCommittees
228	#subCommittees	id	Number/Integer	Board ID
229		titleCode	String (100)	Code of title
230		titleDescription	String (150)	Description of title
231		otherTitle	String (100)	
232		firstName	String (80)	
233		lastName	String (100)	
234		position.code	String (100)	Code of board of director position
235		position.description	String (150)	Description of board of director position
236		executives	Array	#executives

237	corporateGovernanceStructure.managementInfo	executivesRemark	String (5000)	Applicable from version 3 onwards	
238		remuneration.remunerationPolicy	String (1)	Policy and criteria for executives' remuneration - Y = Yes - N = No	
239		remuneration.remunerationPolicyUrl	String (500)	URL of Remuneration Policy (Applicable from version 1.5 onwards)	
240		remuneration.remunerationPolicyRemark	String (5000)	Applicable from version 3 onwards	
241		remuneration.asOfYear	Number/Decimal	Amount of remuneration in Baht (of a report year)	
242		remuneration.asOfYesteryear	Number/Decimal	Amount of remuneration in Baht (of a year before report year)	
243		remuneration.asOfYearBeforeYesteryear	Number/Decimal	Amount of remuneration in Baht (of 2 years before report year)	
244		remuneration.remark	String (5000)	Applicable from version 3 onwards	
245		remuneration.ejip	String (1)	Employee Joint Investment Program (EJIP) - Y = Yes - N = No	
246		remuneration.ejipRemark	String (5000)	Applicable from version 3 onwards	
247		remuneration.esop	String (1)	Employee Stock Option Program (ESOP) - Y = Yes - N = No	
248		remuneration.esopRemark	String (5000)	Applicable from version 3 onwards	
249		#executives	id	Number/Integer	Executive ID
250			titleCode	String (100)	Code of title
251	titleDescription		String (150)	Description of title	
252	otherTitle		String (100)		
253	firstName		String (80)		
254	lastName		String (100)		
255	gender		String (1)	Gender - M = Male - F = Female	
256	thaiNationality		String (1)	Nationality (Applicable from version 1.5 onwards) - Y = Thai - N = Other	
257	boardProfileNationalities		Array	#boardProfileNationalities (Applicable from version 1.5 onwards)	
258	yearOfBirth		Number/Integer		
259	maxEducateLevel.code		String (100)	Code of education level	
260	maxEducateLevel.description		String (150)	Description of education level	
261	maxEducateDepartment.code		String (100)	Code of faculty of education	
262	maxEducateDepartment.description		String (150)	Description of faculty of education	

263		otherMaxEducateDept	String (150)	
264		position	String (70)	
265		startDate	String	Date in YYYY-MM-DD format
266		experienceExpertise	Array	#experienceExpertise
267		highestAccountFinance	String (1)	Highest responsibility in accounting and finance - Y = Yes - N = No
268		directlyAccount	String (1)	Directly responsible for the supervision of the account - Y = Yes - N = No
269		topExecutive	String (1)	Directly responsible for the supervision of the account - Y = Yes - N = No
270	#boardProfileNationalities	code	String (100)	Code of Nationality
271		description	String (150)	Description of Nationality
272		sequence	Number/Integer	
273	#experienceExpertise	code	String (100)	Code of expertise
274		description	String (150)	Description of expertise
275		sequence	Number/Integer	
276	corporateGovernanceStructure.employees Info	totalMale	Number/Integer	Number of male employees (people)
277		totalFemale	Number/Integer	Number of female employees (people)
278		total	Number/Integer	Total Employees (people)
279		totalEmployeeRemark	String (5000)	Applicable from version 3 onwards
280		totalRemuneration	Number/Decimal	Total Remuneration of employees (baht)
281		totalRemunerationRemark	String (5000)	Applicable from version 3 onwards
282		providentFund	String (1)	Provide a provident fund for employees of the company (Not Applicable from version 1.5 onwards) - Y = Yes - N = No
283		numberOfPvd	Number/Integer	Number of employees attending PVD (people)
284		numberOfPvdRemark	String (5000)	Applicable from version 3 onwards
285		percentPvd	Number/Decimal	Proportion of employees participating in PVD (%)
286		percentPvdRemark	String (5000)	Applicable from version 3 onwards
287	corporateGovernanceStructure.supervisorI nfo	accountant	String (1)	Supervisor for accountant (Not Applicable from version 1.5 onwards) - Y = Yes - N = No



288		secretary	String (1)	Supervisor for secretary (Not Applicable from version 1.5 onwards) - Y = Yes - N = No
289		internalAudit	String (1)	Supervisor for internalAudit (Not Applicable from version 1.5 onwards) - Y = Yes - N = No
290		compliance	String (1)	Supervisor for compliance (Not Applicable from version 1.5 onwards) - Y = Yes - N = No
291		investorRelation	String (1)	Supervisor for investorRelation (Not Applicable from version 1.5 onwards) - Y = Yes - N = No
292		accountants	Array	#accountants
293		accountantsRemark	String (5000)	Applicable from version 3 onwards
294		secretaries	Array	#secretaries
295		secretariesRemark	String (5000)	Applicable from version 3 onwards
296		internalAudits	Array	#internalAudits
297		internalAuditsRemark	String (5000)	Applicable from version 3 onwards
298		compliances	Array	#compliances
299		compliancesRemark	String (5000)	Applicable from version 3 onwards
300		investorRelations	Array	#investorRelations
301		investorRelationsRemark	String (5000)	Applicable from version 3 onwards
302	#accountants	id	Number/Integer	Supervisor ID
303	#secretaries	titleCode	String (100)	Code of title
304	#internalAudits	titleDescription	String (150)	Description of title
305	#compliances	otherTitle	String (100)	
306	#investorRelations	firstName	String (80)	
307		lastName	String (100)	
308		email	String (50)	
309		telephone	String (50)	
310		sequence	Number/Integer	
311	corporateGovernanceStructure.auditorInfo	auditorCompanies	Array	#auditorCompanies
312		remark	String (5000)	Applicable from version 3 onwards
313	#auditorCompanies	auditorCompany.code	String (100)	Code of auditor company
314		auditorCompany.description	String (150)	Name of auditor company
315		auditFee	Number/Decimal	Audit fee (baht)

316		nonAudit	String (1)	Non-audit fee information - Y = Yes - N = No
317		nonAuditDetail	String (500)	Non-audit fee detail
318		nonAuditFee	Number/Decimal	Non-audit fee (baht)
319		auditors	Array	#auditors
320	#auditors	id	Number/Integer	Auditor ID
321		titleCode	String (100)	Code of title
322		titleDescription	String (150)	Description of title
323		otherTitle	String (100)	
324		firstName	String (80)	
325		lastName	String (100)	
326		email	String (50)	
327		telephone	String (50)	
328			sequence	Number/Integer
329	corporateGovernanceStructure.directorPerformanceSummary	remunerationPolicy	Array	#remunerationPolicy (Applicable from version 1.5 onwards)
330		directorRemunerationRemark	String (5000)	Applicable from version 3 onwards
331		groupAssessment	String (1)	Board of directors assessment as a whole - Y = Yes - N = No
332		selfAssessment	String (1)	Individual directors self-assessment - Y = Yes - N = No
333		crossAssessment	String (1)	Individual directors cross-assessment - Y = Yes - N = No
334		assessmentRemark	String (5000)	Applicable from version 3 onwards
335		totalBoardMeeting	Number/Integer	Total Number of board meetings (times)
336		agmMeetingDate	String	Date of AGM meetings in YYYY-MM-DD
337		egmMeeting	String (1)	EGM meetings - Y = Yes - N = No
338		directorMeetingRemark	String (5000)	Applicable from version 3 onwards
339		totalEgmMeeting	Number/Integer	- Number of EGM meetings (times) (Not Applicable from version 1.5 onwards)
340		totalAuditMeeting	Number/Integer	Total Number of audit committee meetings (times)
341		auditCommitteeMeetingRemark	String (5000)	Applicable from version 3 onwards
342			developDirectorRemark	String (5000)

343	#remunerationPolicy	policy	String (1)	Director Remuneration - Y = Yes - N = No
344		policyUrl	String (500)	Url of Director Remuneration
345		remark	String (5000)	Applicable from version 3 onwards
346	corporateGovernanceStructure	paidUpShare	Number/Decimal	- Number of paid-up shares (Applicable from version 1.5 onwards)

Scope	
File Name	<Symbol>_SCOPE_<asOfYear>_JSON.json
Format Type	JSON format

### Specification

No.	Properties	Type	Description
1	reportId	Number/Integer	Report ID
2	version	Number/Decimal	Report version In case there is no version field, the data is considered to be version 1
3	symbol	String (20)	Security symbol
4	asOfYear	Number/Integer	Year of One Report in "YYYY" format
5	language	String (1)	Language - T = Thai - E = English - B = Both
6	Th	Array	#th (ESG data in Thai)
7	En	Array	#en (ESG data in English)

### #th & #en

No	Structure	Properties	Type	Description
1	scope	scopeType	Array	#scopeType (Applicable from version 1.5 onwards)
2		total	Number/Integer	Total number of disclosure boundaries Applicable from version 1.5 onwards
3		totalRemark	String (5000)	Total number of disclosure boundaries remark
4		energy	Number/Integer	Total number of disclosure boundaries of energy Applicable from version 1.5 onwards
5		energyRemark	String (5000)	Total number of disclosure boundaries of energy remark
6		water	Number/Integer	Total number of disclosure boundaries of water Applicable from version 1.5 onwards
7		waterRemark	String (5000)	Total number of disclosure boundaries of water remark
8		waste	Number/Integer	Total number of disclosure boundaries of waste Applicable from version 1.5 onwards
9		wasteRemark	String (5000)	Total number of disclosure boundaries of waste remark
10		ghGas	Number/Integer	Total number of disclosure boundaries of greenhouse gas Applicable from version 1.5 onwards

11		ghGasRemark	String (5000)	Total number of disclosure boundaries of greenhouse gas remark
12		laborRights	Number/Integer	Total number of disclosure boundaries of labor rights Applicable from version 1.5 onwards
13		laborRightsRemark	String (5000)	Total number of disclosure boundaries of labor rights remark
14	#scopeType	code	String (100)	- Code of scope type - Applicable from version 1.5 onwards
15		description	String (150)	- Description of scope type - Applicable from version 1.5 onwards

### 3. Appendix

- List of code and description

Sustainability Properties	Code	Description
#fuelSummary	689	Jet fuel (Litres)
	690	Diesel (Litres)
	691	Gasoline (Litres)
	692	Fuel oil (Litres)
	74	Crude oil (Barrels)
	693	Natural gas (Standard cubic feet)
	694	LPG (Kilograms)
	695	Steam (Metric tonnes)
	75	Coal (Metric tonnes)
	723	Total fuel expense (Baht)
	780	Percentage of total fuel expense to total expenses (%)
	781	Percentage of total fuel expense to total revenues (%)
	1686	Total energy consumption within the organization (Kilowatt-Hours)
	1687	Intensity ratio of total energy consumption within the organization to total revenues (Kilowatt-Hours / Thousand Baht of total revenues)
#electricSummary	696	Electricity consumption target (Kilowatt-Hours)
	76	Total electricity consumption within the organization (Kilowatt-Hours)
	1684	Electricity purchased for consumption from non-renewable energy sources (Kilowatt-Hours)
	1685	Electricity purchased or generated for consumption from renewable energy sources (Kilowatt-Hours)
	774	Difference between total electricity consumption within the organization and target (Kilowatt-Hours)
	775	Percentage of the difference between total electricity consumption within the organization and target (%)
	776	Intensity ratio of total electricity consumption within the organization to total number of employees (Kilowatt-Hours / Person / Year)
	697	Total electricity expense (Baht)
	777	Percentage of total electricity expense to total expenses (%)
	778	Percentage of total electricity expense to total revenues (%)
	779	Intensity ratio of total electricity expense to total number of employees (Baht / Person / Year)
	#waterSummary	698
79		Total water withdrawal (Cubic meters)
1688		Total water withdrawal by third-party water (Cubic meters)
1689		Total water withdrawal by surface water (Cubic meters)
1690		Total water withdrawal by groundwater (Cubic meters)
1691		Total water withdrawal by seawater (Cubic meters)
1692		Total water withdrawal by produced water (Cubic meters)
782		Difference between total water withdrawal and target (Cubic meters)
783		Percentage of the difference between total water withdrawal and target (%)
784		Intensity ratio of total water withdrawal to total number of employees (Cubic meters / Person / Year)

	1693	Intensity ratio of total water withdrawal to total revenues (Cubic meters / Thousand Baht of total revenues)
	1694	Total water discharge (Cubic meters)
	1695	Total water discharge to third-party water (Cubic meters)
	1696	Total water discharge to surface water (Cubic meters)
	1697	Total water discharge to groundwater (Cubic meters)
	1698	Total water discharge to seawater (Cubic meters)
	1699	Total water consumption (Cubic meters)
	1700	Intensity ratio of total water consumption to total revenues (Cubic meters / Thousand Baht of total revenues)
	1701	Total water withdrawal expense (Baht)
	699	Total water withdrawal expense from third-party water (Baht)
	1702	Total water withdrawal expense from other sources (Baht)
	785	Percentage of total water withdrawal expense to total expenses (%)
	786	Percentage of total water withdrawal expense to total revenues (%)
	787	Intensity ratio of total water withdrawal expense to total number of employees (Baht / Person / Year)
#wasteSummary	81	Non-hazardous waste (Kilograms)
	82	Hazardous waste (Kilograms)
	83	Total waste generated (Kilograms)
	789	Intensity ratio of total non-hazardous waste to total revenues (Kilograms / Thousand Baht of total revenues)
	790	Intensity ratio of total waste generated to total revenues (Kilograms / Thousand Baht of total revenues)
	791	Intensity ratio of total hazardous waste to total revenues (Kilograms / Thousand Baht of total revenues)
	700	Reused/Recycled non-hazardous waste (Kilograms)
	701	Reused/Recycled hazardous waste (Kilograms)
	792	Total reused/recycled waste (Kilograms)
	793	Percentage of reused/recycled non-hazardous waste to non-hazardous waste (%)
	794	Percentage of total reused/recycled waste to total waste generated (%)
	795	Percentage of reused/recycled hazardous waste to hazardous waste (%)
#greenHouseGasSummary	688	Total GHG emissions target (Metric tonnes of carbon dioxide equivalent)
	87	Total GHG emissions (Metric tonnes of carbon dioxide equivalent)
	84	Total GHG emissions - scope 1 (Metric tonnes of carbon dioxide equivalent)
	85	Total GHG emissions - scope 2 (Metric tonnes of carbon dioxide equivalent)
	86	Total GHG emissions - scope 3 (Metric tonnes of carbon dioxide equivalent)
	797	Difference between total GHG emissions and target (Metric tonnes of carbon dioxide equivalent)
	798	Percentage of the difference between total GHG emissions and target (%)
	799	Intensity ratio of total GHG emissions to total revenues (Metric tonnes of carbon dioxide equivalent / Thousand Baht of total revenues)
	800	Intensity ratio of total GHG emissions to total number of employees (Metric tonnes of carbon dioxide equivalent / Person)
#reductionProject	1642	Total reduced GHG emissions (Metric kilograms of carbon dioxide equivalent)
	1643	Care the Bear Project (Metric kilograms of carbon dioxide equivalent)
	1644	Care the Whale Project (Metric kilograms of carbon dioxide equivalent)
#otherReductionProject	1645	Other projects (Metric kilograms of carbon dioxide equivalent)
	-	Listed companies can add their own items
#absorptionProject	1646	Total absorbed GHG emissions (Metric kilograms of carbon dioxide equivalent)

	1647	Care the Wild Project (Metric kilograms of carbon dioxide equivalent)
#otherAbsorptionProject	1648	Other projects (Metric kilograms of carbon dioxide equivalent)
	-	Listed companies can add their own items
#employeeInfo	90	Total number of employees (Persons)
	88	Total number of male employees (Persons)
	802	Percentage of male employees (%)
	89	Total number of female employees (Persons)
	803	Percentage of female employees (%)
	804	Total number of employees under 30 years old (Persons)
	805	Percentage of employees under 30 years old (%)
	806	Total number of employees 30-50 years old (Persons)
	807	Percentage of employees 30-50 years old (%)
	808	Total number of employees over 50 years old (Persons)
	809	Percentage of employees over 50 years old (%)
	702	Total number of male employees under 30 years old (Persons)
	810	Percentage of male employees under 30 years old (%)
	703	Total number of male employees 30-50 years old (Persons)
	811	Percentage of male employees 30-50 years old (%)
	704	Total number of male employees over 50 years old (Persons)
	812	Percentage of male employees over 50 years old (%)
	705	Total number of female employees under 30 years old (Persons)
	813	Percentage of female employees under 30 years old (%)
	706	Total number of female employees 30-50 years old (Persons)
	814	Percentage of female employees 30-50 years old (%)
	707	Total number of female employees over 50 years old (Persons)
	815	Percentage of female employees over 50 years old (%)
	816	Total number of employees in operational level (Persons)
	817	Percentage of employees in operational level (%)
	818	Total number of employees in management level (Persons)
	819	Percentage of employees in management level (%)
	820	Total number of employees in executive level (Persons)
	821	Percentage of employees in executive level (%)
	708	Total number of male employees in operational level (Persons)
	822	Percentage of male employees in operational level (%)
	709	Total number of male employees in management level (Persons)
	823	Percentage of male employees in management level (%)
	710	Total number of male employees in executive level (Persons)
	824	Percentage of male employees in executive level (%)
	711	Total number of female employees in operational level (Persons)
	825	Percentage of female employees in operational level (%)
	712	Total number of female employees in management level (Persons)



	826	Percentage of female employees in management level (%)
	713	Total number of female employees in executive level (Persons)
	827	Percentage of female employees in executive level (%)
	1703	Total employment of workers with disabilities (Persons)
	1704	Total number of employees with disabilities (Persons)
	1705	Percentage of employees with disabilities (%)
	1706	Total number of workers who are not employees with disabilities (Persons)
#employeeTrainingInfo	96	Average employee training hours (Hours / Person / Year)
	97	Total amount spent on employee training and development (Baht)
#employeeSafetyInfo	718	Total number of hours worked by employees (Hours)
	98	Total number of lost time injury incidents by employees (Cases)
	719	Total number of employees that lost time injuries for 1 day or more (Persons)
	836	Percentage of employees that lost time injuries for 1 day or more (%)
	720	Total number of employees that fatalities as a result of work-related injury (Persons)
	837	Percentage of employees that fatalities as a result of work-related injury (%)
	1708	Lost time injury frequency rate (LTIFR) (Persons / 1 million-manhours)
	1709	Lost time injury frequency rate (LTIFR) (Persons / 200,000 manhours)
#employeeRelationshipInfo	838	Total number of employee turnover leaving the Company voluntarily (Persons)
	839	Percentage of total number of employee turnover leaving the Company voluntarily to total number of employees (%)
	721	Total number of male employee turnover leaving the Company voluntarily (Persons)
	840	Percentage of male employee turnover leaving the Company voluntarily (%)
	722	Total number of female employee turnover leaving the Company voluntarily (Persons)
	841	Percentage of female employee turnover leaving the Company voluntarily (%)
#employeeRemunerationInfo	94	Total employee remuneration (Baht)
	714	Total male employee remuneration (Baht)
	829	Percentage of remuneration in male employees (%)
	715	Total female employee remuneration (Baht)
	830	Percentage of remuneration in female employees (%)
	831	Average remuneration of employees (Baht / Person)
	832	Average remuneration of male employees (Baht / Person)
	833	Average remuneration of female employees (Baht / Person)
	1707	Ratio of average remuneration of female employees to male employees
	716	Total number of employees joining employee provident fund (Persons)
	834	Percentage of total number of employees joining employee provident fund to total number of employees (%)
	717	Total amount of provident fund contributed by the Company (Baht)
	835	Percentage of total amount of provident fund contributed by the Company to total employee remuneration (%)
#laborDispute	684	Significant labor dispute (Yes / No)