Methodologies used in Sustainability Reporting of Companies in Indonesia, Malaysia, Singapore and Thailand

In all the individual studies on companies conducted, the GRI G4 guidelines and Code of Corporate Governance of each country were adopted as a reference for assessing sustainability reports. These guidelines form a set of an extensive and comprehensive quantitative framework that are widely recognised as a global standard for sustainability reporting.

The GRI G4 guidelines and Code of Corporate Governance provide a holistic and comprehensive assessment of sustainability issues including those related to supply chain management and human rights. The extensive GRI assessment framework is condensed into 23 criteria, which were in turn grouped into the four following indicators; Governance, Economic, Environmental and Social (*Table 1*).

The depth of disclosure was analysed through the assignment of scores ranging from 1 to 5 for each criterion. 1 point was awarded if there was no information provided or specified for the particular criterion, while 5 points were awarded if detailed information substantiated with measurements were furnished. The total score under each indicator was then converted to a relative score out of 5, in order to assign equal weight to each of the four indicators. The maximum score that a company could obtain was 20 but was converted to a scale of 100. Therefore, the minimum score or level of disclosure that a company can attain is 20 while the maximum score it can attain is 100. The score obtained reflects the level of sustainability disclosure of the company to the areas of assessment in this methodology.

The scores for each company were subsequently aggregated to compute a country's average. It is noted that this scoring method is a quantitative means employed to gauge the comprehensiveness of information disclosed by a company, and does not represent its sustainability performance.

| Maximum score = 100 | | | | | | |
|---|---|--|--|--|--|--|
| Governance | Economic | | | | | |
| Gov 1: Code on corporate governance | Econ 1: Economic value generated | | | | | |
| Gov 2: Governance procedures | Econ 2: Value and supply chain | | | | | |
| Gov 3: Anti-corruption and code of ethics | Econ 3: Climate change – implications, risks, opportunities | | | | | |
| | Econ 4: Investment in non-core business | | | | | |
| | infrastructure | | | | | |
| | Econ 5: Risk management | | | | | |
| Environmental | Social | | | | | |
| Env 1: Energy | Soc 1: Diversity and equal opportunity | | | | | |
| Env 2: Water | Soc 2: Labour and industrial relations | | | | | |
| Env 3: Waste management | Soc 3: Occupational health and safety | | | | | |
| Env 4: Carbon emissions | Soc 4: Training and education | | | | | |
| Env 5: Biodiversity | Soc 5: Human rights | | | | | |
| Env 6: Compliance | Soc 6: Community involvement | | | | | |
| Env 7: Product and service stewardship | Soc 7: Product responsibility | | | | | |
| | Soc 8: Philanthropy | | | | | |

Table 1: Indicators in GRI G4 guidelines and Code of Corporate Governance assessment methodology

Additionally, disclosures on three other areas; Strategy and Analysis, Materiality and Stakeholder Engagement, were also reported for companies in this study (*Table 2*). These general standard disclosures are applicable to all companies or organisations preparing a sustainability report. A total of eight criteria fall under these areas and each criterion is assessed based on the proportion of companies that disclosed information on it.

| Strategy and Analysis | Materiality | Stakeholder Engagement |
|-----------------------------|-------------------------------|---------------------------------|
| Provide a statement from | Explain the process for | Stakeholder engagement and |
| the most senior decision- | defining the report content | inclusiveness policies and |
| maker of the organization | and the aspect boundaries | procedures |
| (such as CEO) about the | | |
| relevance of sustainability | | |
| Provide a description of | List all the material aspects | Provide a list of stakeholder |
| key impacts, risks and | identified | groups engaged by the |
| opportunities | | organisation |
| | Report aspect boundaries for | Report the basis for |
| | each material aspect | identification and selection of |
| | | stakeholders with whom to |
| | | engage |

Table 2: Assessment criteria under the General Standard Disclosures for companies

Sample coding manual for GRI G4 guidelines and Code of Corporate Governance:

1. Indonesia

| | Score for Level of Disclosure | | | | | |
|--|-------------------------------|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 |
| Governance | | | | | | |
| Indonesia's Code of Good Corporate Governance 2006 | | | | | | |
| Did the company made a positive confirmation at the start of the corporate governance section of the company's Annual Report that they have adhered to the principles and guidelines of the Code, or specify each area of non-compliance | | | | | | |
| Disclosure on compliance part 1: ENSURING THE BASIS FOR AN EFFECTIVE CORPORATE GOVERNANCE FRAMEWORK IN INDONESIA | | | | | | |
| Principle 1.1 Role of Regulatory, Supervisory and Enforcement Authorities | | | | | | |
| Principle 1.2 Role of Market Participants | | | | | | |
| Principle 1.3 Role of the Public | | | | | | |
| Disclosure on compliance part 2: GOOD CORPORATE GOVERNANCE GENERAL PRINCIPLES | | | | | | |

| Principle 2.1 Transparency Principle 2.2 Accountability Principle 2.3 Responsibility Principle 2.4 Independency Principle 2.5 Fairness Disclosure on compliance part 3: BUSINESS ETHICS AND CODE OF CONDUCT Principle 3.1 Company Values Principle 3.2 Business Ethics Principle 3.3 Code of Conduct Disclosure on compliance part 4: ORGANS OF THE COMPANY Principle 4.1 General Meeting of Shareholders Principle 4.2 Board of Commissioners and Board of Directors | | V | V |
|---|--|--|--|
| Principle 2.2 Accountability Principle 2.3 Responsibility Principle 2.4 Independency Principle 2.5 Fairness Disclosure on compliance part 3: BUSINESS ETHICS AND CODE OF CONDUCT Principle 3.1 Company Values Principle 3.2 Business Ethics Principle 3.3 Code of Conduct Disclosure on compliance part 4: ORGANS OF THE COMPANY Principle 4.1 General Meeting of Shareholders | | | |
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| | Principle 4.1 General Meeting of Shareholders | | |
| Principle 4.2 Board of Commissioners and Board of Directors | Principle 4.1 General Meeting of Shareholders | | |
| Principle 4.2 Board of Commissioners and Board of Directors | Principle 4.1 General Meeting of Shareholders | | |
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| Principle 4.2 Board of Commissioners and Board of Directors | Principle 4.1 General Meeting of Shareholders | | |
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| Principle 4.3 Board of Commissioners | | | | | | |
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| Principle 4.4 Board of Directors | | | | | | |
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| Disclosure on compliance part 5: RIGHTS AND ROLE OF SHAREHOLDERS | | | | | | |
| Disclosure on compliance part 3. Months AND NOLE of SHAKEHOLDERS | | | | | | |
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| Principle 5.1 Rights of Shareholders and Key Ownership Function | | | | | | |
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| Principle 5.2 Responsibility of Company against Shareholders | | | | | | |
| Find the 3.2 responsibility of Company against shareholders | | | | | | |
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| Disclosure on compliance part 6: THE RIGHTS AND ROLE OF OTHER STAKEHOLDERS | | | | | | |
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| Principle 6.1 Employees | | | | | | |
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| Principle 6.2 Resource Providers | | | | | | |
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| Principle 6.3 Users of Product and Services | | | | | | |
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| Governance Procedure Disclosed | | | | | | |
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| Machanisms /shacks for ansuring good governance governance structure of the | | | | | | |
| Mechanisms /checks for ensuring good governance-governance structure of the | | | | | | |
| | | | | | | |
| organization | | | | | | |
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| | | | | | | |
| Extent of involvement across the company-indicate any direct | | | | | | |
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| responsibility for economics social and environmental performance of | | | | | | |
| responsibility for economic; social and environmental performance of | | | | | | |
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| i such committees | | | | | | |
| such committees | | | | | | |

| Situating business operations as part of overall economic development, e.g. roads and communications infrastructure in mining towns and nearby communities | | | | | |
|--|--|--|--|----------|---|
| Investment in non-core business infrastructure that benefit the public | | | | | |
| Procedures and Policies | | | | | |
| operations, Measures to manage the challenge and opportunities, Mitigation | | | | | |
| Consideration of current and future impact of climate change on business | | | | | |
| Climate Change-implications, risk, opportunities | V///////////////////////////////////// | | | | |
| Responsible supply sourcing & Supplier capacity building | | | | | |
| Value and Supply Chain (services and goods) | | | | | |
| -Direct economic value distributed: operating costs. | | | | | |
| -Direct economic value generated: revenues. | | | | | |
| How activities and production impacts broader economy | | | | | |
| Economic value generated | | | | | |
| Economic | | | X///////////////////////////////////// | <u> </u> | X |
| Did the company disclose organization's values, principles, standards, and norms of behavior such as codes of conduct and codes of ethics? | | | | | |
| Anti-Corruption policies, whistle blowing, and follow up actions | | | | | |
| Anti-Corruption and code of ethics | | | | | |
| Board's responsibilities for sustainability issues | | | | | |
| -Linkage between compensation for members of the highest governance body, senior managers, and executives (including departure arrangements), and the organization's performance (including social and environmental performance). | | | | | |
| -Indicate whether the Chair of the highest governance body is also an executive officer. | | | | | |
| -Indicate any direct responsibility for economic, social and environmental performance of such committees. | | | | | |

| Risk Management | |
|---|--|
| Identification and assessment procedures, Financial and non-financial impact, Application of resource in mitigating and managing risk | |
| Environmental | |
| Energy | |
| Measuring direct and indirect energy consumption (kW), Energy saving and reduction policies/initiatives, Energy-efficient or renewable energy services and adoptions | |
| Water | |
| Percentage and total volume of water recycled and reused, Water sources directly and indirectly affected by water withdrawal | |
| Waste Management | |
| Processes/Measures to monitor and manage waste, Pollution, recycling and collection systems and extent of efficacy | |
| Greenhouse Gases (GHG)/Carbon Emissions | |
| GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures | |
| Biodiversity (ecosystem and balance of species) | |
| Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity | |
| Compliance (fire, spills, related sanctions/fines/penalties) | |
| Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties | |
| Product and Service Stewardship | |

| Additional design improvements, Green packaging and shipping | | | |
|---|--|--|----------------|
| Social - Labour Rights and Practices | • Commission of the Commission | - Vindaminina de la companya del companya de la companya del companya de la compa | vaamaanaanaana |
| Diversity and equal opportunity (Practice) | | | |
| Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | | | |
| Labour/Migrant relations & Industrial relations/unionisation | | | |
| Feedback and communication channels with employers, agents and respective support organizations, Labour-management relations | | | |
| Worker representation through unions or associations | | | |
| Occupational Health and Safety | | | |
| Comprehensive and relevant health and safety measures in place, Accident and emergency procedures and provisions, Insurance and/or support for injury and disease | | | |
| Training and Education | | | |
| Skill upgrade and education for staff of various levels, Career development opportunities for employees | | | |
| Social - Human Rights | <u> </u> | | |
| Human Rights | | | |
| Social - Community and Society | | | |
| Community involvement | | | |

| Identify adverse impact on local communities, Measures/Practices to mitigate or rectify the impact, Engagement through media and virtual platforms | | | |
|--|--|--|--|
| Product Responsibility | | | |
| Ensuring safety and quality of products and services, Consideration of impact of product on consumers and broader society | | | |
| Philanthropy/Charitable Contributions | | | |
| Monetary Contribution | | | |
| Voluntarism programs | | | |
| Charity foundations | | | |

2. Malaysia

| | Score for Level of Disclosure | | | | | |
|--|-------------------------------|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 |
| Governance | | | | | | |
| Malaysian Code on Corporate Governance 2012 | | | | | | |
| Did the company made a positive confirmation at the start of the corporate governance section of the company's Annual Report that they have adhered to the principles and guidelines of the Code, or specify each area of non-compliance | | | | | | |

| Disclosure on compliance principle 1: ESTABLISH CLEAR ROLES AND RESPONSIBILITIES | |
|---|--|
| Recommendation 1.1 The board should establish clear functions reserved for the board and those delegated to management | |
| Recommendation 1.2 The board should establish clear roles and responsibilities in discharging its fiduciary and leadership functions | |
| Recommendation 1.3 The board should formalise ethical standards through a code of conduct and ensure its compliance | |
| Recommendation 1.4 The board should ensure that the company's strategies promote sustainability | |
| Recommendation 1.5 The board should have procedures to allow its members access to information and advice | |
| Recommendation 1.6 The board should ensure it is supported by a suitably qualified and competent company secretary | |
| Recommendation 1.7 The board should formalise, periodically review and make public its board charter | |
| Disclosure on compliance principle 2: STRENGTHEN COMPOSITION | |
| Recommendation 2.1 The board should establish a Nominating Committee which should comprise exclusively of non-executive directors, a majority of whom must be independent | |
| Recommendation 2.2 The Nominating Committee should develop, maintain and review the criteria to be used in the recruitment process and annual assessment of directors | |
| Recommendation 2.3 The board should establish formal and transparent remuneration policies and procedures to attract and retain directors | |

| Disclosure on compliance principle 3: REINFORCE INDEPENDENCE | |
|--|--|
| Recommendation 3.1 The board should undertake an assessment of its independent directors annually | |
| Recommendation 3.2 The tenure of an independent director should not exceed a cumulative term of nine years (may serve as a non-independent director upon completion of the nine years) | |
| Recommendation 3.3 The board must justify and seek shareholders' approval in the event it retains as an independent director, a person who has served in that capacity for more than nine years. | |
| Recommendation 3.4 The positions of chairman and CEO should be held by different individuals, and the chairman must be a non-executive member of the board | |
| Recommendation 3.5 The board must comprise a majority of independent directors where the chairman of the board is not an independent director. | |
| Disclosure on compliance principle 4: FOSTER COMMITMENT | |
| Recommendation 4.1 The board should set out expectations on time commitment for its members and protocols for accepting new directorships | |
| Recommendation 4.2 The board should ensure its members have access to appropriate continuing education programmes | |
| Disclosure on compliance principle 5: UPHOLD INTEGRITY IN FINANCIAL REPORTING | |
| Recommendation 5.1 The Audit Committee should ensure financial statements comply with applicable financial reporting standards | |
| Recommendation 5.2 The Audit Committee should have policies and procedures to assess the suitability and independence of external auditors | |

| Disclosure on compliance principle 6: RECOGNISE AND MANAGE RISKS | | |
|--|--|--|
| Recommendation 6.1 The board should establish a sound framework to manage risks | | |
| Recommendation 6.2 The board should establish an internal audit function which reports directly to the Audit Committee | | |
| Disclosure on compliance principle 7: ENSURE TIMELY AND HIGH QUALITY DISCLOSURE | | |
| Recommendation 7.1 The board should ensure the company has appropriate corporate disclosure policies and procedures | | |
| Recommendation 7.2 The board should encourage the company to leverage on information technology for effective dissemination of information | | |
| Disclosure on compliance principle 8: STRENGTHEN RELATIONSHIP BETWEEN COMPANY AND SHAREHOLDERS | | |
| Recommendation 8.1 The board should take reasonable steps to encourage shareholder participation at general meetings | | |
| Recommendation 8.2 The board should encourage poll voting | | |
| Recommendation 8.3 The board should promote effective communication and proactive engagements with shareholders | | |
| Governance Procedure Disclosed | | |
| Mechanisms /checks for ensuring good governance-governance structure of the organization | | |

| Extent of involvement across the company-indicate any direct responsibility for economic; social and environmental performance of such committees | | | | |
|--|-------|--|---|---|
| -Indicate any direct responsibility for economic, social and environmental performance of such committees. | | | | |
| -Indicate whether the Chair of the highest governance body is also an executive officer. | | | | |
| -Linkage between compensation for members of the highest governance body, senior managers, and executives (including departure arrangements), and the organization's performance (including social and environmental performance). | | | | |
| Board's responsibilities for sustainability issues | | | | |
| Anti-Corruption and code of ethics | Ville | la l | | |
| Anti-Corruption policies, whistle blowing, and follow up actions | | | | |
| Did the company disclose organization's values, principles, standards, and norms of behavior such as codes of conduct and codes of ethics? | | | | |
| Economic | | V | | |
| Economic value generated | | | | |
| How activities and production impacts broader economy | | | | |
| -Direct economic value generated: revenues. | | | | |
| -Direct economic value distributed: operating costs. | | | | |
| Value and Supply Chain (services and goods) | | · · | V | 3 |
| Responsible supply sourcing & Supplier capacity building | | | | |
| Climate Change-implications, risk, opportunities | V | | | |
| Consideration of current and future impact of climate change on business operations, Measures to manage the challenge and opportunities, Mitigation Procedures and Policies | | | | |

| Investment in non-core business infrastructure that benefit the public | | V | X | V |
|--|---|----------|----------|---|
| Situating business operations as part of overall economic development, e.g. roads and communications infrastructure in mining towns and nearby communities | | | | |
| Risk Management | | | | |
| Identification and assessment procedures, Financial and non-financial impact, Application of resource in mitigating and managing risk | | | | |
| Environmental | | | | |
| Energy | | | | |
| Measuring direct and indirect energy consumption (kW), Energy saving and reduction policies/initiatives, Energy-efficient or renewable energy services and adoptions | | | | |
| Water | Vaniminininininininininin | _ | | |
| Percentage and total volume of water recycled and reused, Water sources directly and indirectly affected by water withdrawal | | | | |
| Waste Management | Vaniminininininininininininininininininin | | | |
| Processes/Measures to monitor and manage waste, Pollution, recycling and collection systems and extent of efficacy | | | | |
| Greenhouse Gases (GHG)/Carbon Emissions | | | | |
| GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures | | | | |
| Biodiversity (ecosystem and balance of species) | | | | |
| Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity | | | | |
| Compliance (fire, spills, related sanctions/fines/penalties) | | | | |
| | | | | |

| | 1 | 1 | 1 | 1 |
|---|---|---|---|---|
| Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance | | | | |
| and prevention of accidents/penalties | | | | |
| Product and Service Stewardship | | | | |
| Additional design improvements, Green packaging and shipping | | | | |
| Social - Labour Rights and Practices | | | | |
| Diversity and equal opportunity (Practice) | | | | |
| Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | | | | |
| Labour/Migrant relations & Industrial relations/unionisation | | | | |
| Feedback and communication channels with employers, agents and respective support organizations, Labour-management relations | | | | |
| Worker representation through unions or associations | | | | |
| Occupational Health and Safety | • | | | |
| Comprehensive and relevant health and safety measures in place, Accident and emergency procedures and provisions, Insurance and/or support for injury and disease | | | | |
| Training and Education | | | | |
| Skill upgrade and education for staff of various levels, Career development opportunities for employees | | | | |
| Social - Human Rights | | | | |
| Human Rights | | | | |
| Social - Community and Society | | | | |
| | | | | |

| Community involvement | | | | | | | | |
|--|--|--|--|--|--|--|--|--|
| Identify adverse impact on local communities, Measures/Practices to mitigate or rectify the impact, Engagement through media and virtual platforms | | | | | | | | |
| Product Responsibility | | | | | | | | |
| Ensuring safety and quality of products and services, Consideration of impact of product on consumers and broader society | | | | | | | | |
| Philanthropy/Charitable Contributions | | | | | | | | |
| Monetary Contribution | | | | | | | | |
| Voluntarism programs | | | | | | | | |
| Charity foundations | | | | | | | | |

3. Singapore

| | Score for Level of Disclosure | | | | | | | |
|--|-------------------------------|---|---|---|---|---|--|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | | |
| Governance | | | | | | | | |
| Singapore Code of Corporate Governance | | | | | | | | |
| Did the company made a positive confirmation at the start of the corporate governance section of the company's Annual Report that they have adhered to the principles and guidelines of the Code, or specify each area of non-compliance | | | | | | | | |

| Disclosure on compliance principle 1: THE BOARD'S CONDUCT OF AFFAIRS | | |
|---|--|--|
| Disclosure on compliance principle 2: BOARD COMPOSITION AND GUIDANCE | | |
| Disclosure on compliance principle 3: CHAIRMAN AND CHIEF EXECUTIVE OFFICER | | |
| Disclosure on compliance principle 4: BOARD MEMBERSHIP | | |
| Disclosure on compliance principle 5: BOARD PERFORMANCE | | |
| Disclosure on compliance principle 6: ACCESS TO INFORMATION | | |
| Disclosure on compliance principle 7: PROCEDURES FOR DEVELOPING REMUNERATION POLICIES | | |
| Disclosure on compliance principle 8: LEVEL AND MIX OF REMUNERATION | | |
| Disclosure on compliance principle 9: DISCLOSURE ON REMUNERATION | | |
| Disclosure on compliance principle 10: ACCOUNTABILITY | | |
| Disclosure on compliance principle 11: RISK MANAGEMENT AND INTERNAL CONTROLS | | |
| Disclosure on compliance principle 12: AUDIT COMMITTEE | | |

| Disclosure on compliance principle 13: INTERNAL AUDIT | | | |
|--|---------------------|---------------------|--|
| Disclosure on compliance principle 14: SHAREHOLDER RIGHTS | | | |
| Disclosure on compliance principle 15: COMMUNICATION WITH SHAREHOLDERS | | | |
| Disclosure on compliance principle 16: CONDUCT OF SHAREHOLDER MEETINGS | | | |
| Governance Procedure Disclosed | <u> </u> | | |
| Mechanisms /checks for ensuring good governance-governance structure of the organization | | | |
| Extent of involvement across the company-indicate any direct responsibility for economic; social and environmental performance of such committees | | | |
| -Indicate any direct responsibility for economic, social and environmental performance of such committees. | | | |
| -Indicate whether the Chair of the highest governance body is also an executive officer. | | | |
| -Linkage between compensation for members of the highest governance body, senior managers, and executives (including departure arrangements), and the organization's performance (including social and environmental performance). | | | |
| Board's responsibilities for sustainability issues | | | |
| Anti-Corruption and code of ethics | saaaaaaaaaaaaaaaaa. | waning and a second | Constitution of the Consti |

| | 1 | | | |
|---|---|--|---|---|
| Anti-Corruption policies, whistle blowing, and follow up actions | | | | |
| Did the company disclose organization's values, principles, standards, and norms of | | | | |
| behavior such as codes of conduct and codes of ethics? | | | | |
| Economic | | | | |
| Economic value generated | | | | |
| How activities and production impacts broader economy | | | | |
| -Direct economic value generated: revenues. | | | | |
| -Direct economic value distributed: operating costs. | | | | |
| Value and Supply Chain (services and goods) | | | | |
| Responsible supply sourcing & Supplier capacity building | | | | |
| Climate Change-implications, risk, opportunities | | | | |
| Consideration of current and future impact of climate change on business | | | | |
| operations, Measures to manage the challenge and opportunities, Mitigation | | | | |
| Procedures and Policies | | | | |
| Investment in non-core business infrastructure that benefit the public | | | | |
| Situating business operations as part of overall economic development, e.g. roads | | | | |
| and communications infrastructure in mining towns and nearby communities | | | | |
| Risk Management | | | | |
| Identification and assessment procedures, Financial and non-financial impact, | | | | |
| Application of resource in mitigating and managing risk | | | | |
| Environmental | | | | |
| | | | | |
| Energy | | | T | T |
| Measuring direct and indirect energy consumption (kW), Energy saving and | | | | |
| reduction policies/initiatives, Energy-efficient or renewable energy services and | | | | |
| adoptions | | | | |
| Water | | | | |
| | | | | |

| Waste Management Processes/Measures to monitor and manage waste, Pollution, recycling and collection systems and extent of efficacy Greenhouse Gases (GHG)/Carbon Emissions GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures Biodiversity (ecosystem and balance of species) Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | | | | | |
|---|---|--|----------|---------|--|
| Processes/Measures to monitor and manage waste, Pollution, recycling and collection systems and extent of efficacy Greenhouse Gases (GHG)/Carbon Emissions GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures Biodiversity (ecosystem and balance of species) Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Percentage and total volume of water recycled and reused, Water sources directly and indirectly affected by water withdrawal | | | | |
| collection systems and extent of efficacy Greenhouse Gases (GHG)/Carbon Emissions GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures Biodiversity (ecosystem and balance of species) Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Waste Management | | | | |
| GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures Biodiversity (ecosystem and balance of species) Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Processes/Measures to monitor and manage waste, Pollution, recycling and collection systems and extent of efficacy | | | | |
| identification procedures, Related policies/initiatives to implement measures Biodiversity (ecosystem and balance of species) Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Greenhouse Gases (GHG)/Carbon Emissions | | | | |
| Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures | | | | |
| minimize impact and restore affected aspects of biodiversity Compliance (fire, spills, related sanctions/fines/penalties) Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Biodiversity (ecosystem and balance of species) | | | | |
| Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity | | | | |
| minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties Product and Service Stewardship Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Compliance (fire, spills, related sanctions/fines/penalties) | Viaminiminiminiminimi | | | |
| Additional design improvements, Green packaging and shipping Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties | | | | |
| Social - Labour Rights and Practices Diversity and equal opportunity (Practice) Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Product and Service Stewardship | - Villandia di Caracteria di C | | | |
| Pair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Additional design improvements, Green packaging and shipping | | | | |
| Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Social - Labour Rights and Practices | Vanadaaaaaaaaaaaaaaaaaaaaaaaaa | <u> </u> | <u></u> | |
| groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | Diversity and equal opportunity (Practice) | | | | |
| Labour/Migrant relations & Industrial relations/unionisation | Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | | | | |
| | Labour/Migrant relations & Industrial relations/unionisation | | | | |

| | | 1 | 1 | 1 | 1 |
|---|------------------------|---|---|---|---|
| Feedback and communication channels with employers, agents and respective support organizations, Labour-management relations | | | | | |
| Worker representation through unions or associations | | | | | |
| Occupational Health and Safety | | | | | |
| Comprehensive and relevant health and safety measures in place, Accident and emergency procedures and provisions, Insurance and/or support for injury and disease | | | | | |
| Training and Education | | | | | |
| Skill upgrade and education for staff of various levels, Career development opportunities for employees | | | | | |
| Social - Human Rights | • | | | | |
| Human Rights | | | | | |
| Social - Community and Society | | | | | |
| Community involvement | | | | | |
| Identify adverse impact on local communities, Measures/Practices to mitigate or rectify the impact, Engagement through media and virtual platforms | | | | | |
| Product Responsibility | vaaaaaaaaaaaaaaaaaaaaa | | _ | | |
| Ensuring safety and quality of products and services, Consideration of impact of product on consumers and broader society | | | | | |
| Philanthropy/Charitable Contributions | | | | | |
| Monetary Contribution | | | | | |
| Voluntarism programs | | | | | |
| Charity foundations | | | | | |

4. Thailand

| | Score for Level of Disclosure | | | | | | |
|--|-------------------------------|---|---|---|---|------------|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | |
| Governance | | | | | | | |
| Principles of Good Corporate Governance for Listed Companies 2012 | V | | | | | <i>7</i> 4 | |
| Did the company made a positive confirmation at the start of the corporate governance section of the company's Annual Report that they have adhered to the principles and guidelines of the Code, or specify each area of non-compliance | | | | | | | |
| Disclosure on compliance principle 1: RIGHTS OF SHAREHOLDERS | | | | | | | |
| Recommended best practices 1 Shareholders' meeting | | | | | | | |
| Recommended best practices 2 Procedures on the shareholders' meeting date | | | | | | | |
| Recommended best practices 3 Writing and releasing of the minutes of shareholders' meetings | | | | | | | |
| Disclosure on compliance principle 2: EQUITABLE TREATMENT OF SHAREHOLDERS | | | | | | | |
| Recommended best practices 1 Release of information before the shareholders' meeting | | | | | | | |
| Recommended best practices 2 Protection of minor shareholders | | | | | | | |

| Recommended best practices 3 Protection against abuse of inside information | | |
|---|--|---|
| Recommended best practices 4 Conflicts of interest by directors | | |
| Disclosure on compliance principle 3: ROLE OF STAKEHOLDERS | | |
| Recommended best practices 1 Setting policies affecting stakeholders | | |
| Recommended best practices 2 Disclosure of policies | | |
| Disclosure on compliance principle 4: DISCLOSURE AND TRANSPARENCY | | |
| Recommended best practices 1 Disclosure of information | | |
| Recommended best practices 2 Minimum information disclosed on the company's website | | |
| Disclosure on compliance principle 5: RESPONSIBILITIES OF THE BOARD | | _ |
| Recommended best practices 1 Board structure | | |
| Recommended best practices 2 Committees | | |
| Recommended best practices 3 Roles and responsibilities of the board | | |
| Recommended best practices 4 Board meetings | | |

| Recommended best practices 5 Board self-assessment | | |
|--|--|--|
| Recommended best practices 6 Remuneration | | |
| Recommended best practices 7 Board and management training | | |
| Governance Procedure Disclosed | | |
| Mechanisms /checks for ensuring good governance-governance structure of the organization | | |
| Extent of involvement across the company-indicate any direct responsibility for economic; social and environmental performance of such committees | | |
| -Indicate any direct responsibility for economic, social and environmental performance of such committees. | | |
| -Indicate whether the Chair of the highest governance body is also an executive officer. | | |
| -Linkage between compensation for members of the highest governance body, senior managers, and executives (including departure arrangements), and the organization's performance (including social and environmental performance). | | |
| Board's responsibilities for sustainability issues | | |
| Anti-Corruption and code of ethics | | |
| Anti-Corruption policies, whistle blowing, and follow up actions | | |

| Did the company disclose organization's values, principles, standards, and norms of behavior such as codes of conduct and codes of ethics? | | | |
|---|--|--|--|
| Economic | | | |
| Economic value generated | | | |
| How activities and production impacts broader economy | | | |
| -Direct economic value generated: revenues. | | | |
| -Direct economic value distributed: operating costs. | | | |
| Value and Supply Chain (services and goods) | | | |
| Responsible supply sourcing & Supplier capacity building | | | |
| Climate Change-implications, risk, opportunities | | | |
| Consideration of current and future impact of climate change on business operations, Measures to manage the challenge and opportunities, Mitigation Procedures and Policies | | | |
| Investment in non-core business infrastructure that benefit the public | | | |
| Situating business operations as part of overall economic development, e.g. roads and communications infrastructure in mining towns and nearby communities | | | |
| Risk Management | | | |
| Identification and assessment procedures, Financial and non-financial impact, Application of resource in mitigating and managing risk | | | |
| Environmental | | | |
| Energy | | | |

| | | 1 1 | 1 | |
|---|---|-----|---|--|
| Measuring direct and indirect energy consumption (kW), Energy saving and reduction policies/initiatives, Energy-efficient or renewable energy services and adoptions | | | | |
| Water | | | | |
| Percentage and total volume of water recycled and reused, Water sources directly and indirectly affected by water withdrawal | | | | |
| Waste Management | | | | |
| Processes/Measures to monitor and manage waste, Pollution, recycling and collection systems and extent of efficacy | | | | |
| Greenhouse Gases (GHG)/Carbon Emissions | | | | |
| GHG/Carbon emissions and consumption, Reduction and offsetting measures, identification procedures, Related policies/initiatives to implement measures | | | | |
| Biodiversity (ecosystem and balance of species) | | | | |
| Consideration of impact on biodiversity in areas of operation, Initiative/Measures to minimize impact and restore affected aspects of biodiversity | | | | |
| Compliance (fire, spills, related sanctions/fines/penalties) | V | | | |
| Environment-related accidents or penalties and consequent measures to minimize/negative impact, Measures, precautions, initiatives to ensure compliance and prevention of accidents/penalties | | | | |
| Product and Service Stewardship | | | | |
| Additional design improvements, Green packaging and shipping | | | | |
| Social - Labour Rights and Practices | | | | |
| Diversity and equal opportunity (Practice) | Viiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii | | | |
| Fair employment practices and equal remuneration, Employment of disadvantaged groups in relation to work required, Anti-discrimination policies and corrective actions against discrimination | | | | |

| Labour/Migrant relations & Industrial relations/unionisation | | | | |
|--|-------------------|--|---|--|
| | | | I | |
| Feedback and communication channels with employers, agents and respective | | | | |
| support organizations, Labour-management relations | | | | |
| Worker representation through unions or associations | | | | |
| Occupational Health and Safety | | | | |
| Comprehensive and relevant health and safety measures in place, Accident and | | | | |
| emergency procedures and provisions, Insurance and/or support for injury and | | | | |
| disease | | | | |
| Training and Education | | | | |
| Skill upgrade and education for staff of various levels, Career development | | | | |
| opportunities for employees | | | | |
| Social - Human Rights | | | | |
| Human Rights | | | | |
| Social - Community and Society | Viiliniiniiniinii | | | |
| Community involvement | | | | |
| Identify adverse impact on local communities, Measures/Practices to mitigate or | | | | |
| rectify the impact, Engagement through media and virtual platforms | | | | |
| Product Responsibility | | | | |
| Ensuring safety and quality of products and services, Consideration of impact of | | | | |
| product on consumers and broader society | | | | |
| Philanthropy/Charitable Contributions | | | | |
| Monetary Contribution | | | | |
| | | | | |
| Voluntarism programs | | | | |
| Charity foundations | | | | |

Sample coding manual for the General Standard Disclosures under GRI G4 guidelines:

| | Level of Disclosure (Tick one score for each indicator) | | | | | |
|--|---|---|---|---|---|---|
| | 0 | 1 | 2 | 3 | 4 | 5 |
| General Standard Disclosures | | | | | | |
| Strategy & Analysis | | | | | | |
| CEO/Chairman/President Letter or Statement | | | | | | |
| Key impacts, risks, and opportunities | | | | | | |
| Did the company prepare its sustainability report 'in accordance' with the GRI guidelines: the Core option or the Comprehensive option | | | | | | |
| Identified Material Aspects and Boundaries | | | | | | |
| Entities included in financial statements | | | | | | |
| Process for defining report boundaries and content | | | | | | |
| Material aspects included in the report | | | | | | |
| Descriptions of material aspect boundaries within and outside the organization defined | | | | | | |
| Changes from previous reports in terms of scope and/or boundaries | | | | | | |

| Stakeholder Engagement and Inclusiveness Policies and Procedures | | | | |
|---|---------------------------------------|----------|----------|--|
| Provide a list of stakeholder groups engaged by the organization | | | | |
| Report the basis for identification and selection of stakeholders with whom to engage | | | | |
| Disclosures on Management Approach (DMA) | Vananananananan | V | . | |
| Did the company provide disclosures on management approach (DMA) | | | | |
| Materiality | • • • • • • • • • • • • • • • • • • • | | <u> </u> | |
| Did the company disclose that this aspect is material to the company | | | | |
| Economic value generated | | | | |
| Value and Supply Chain (services and goods) | | | | |
| Climate Change-implications, risk, opportunities | | | | |
| Investment in non-core business infrastructure that benefit the public | | | | |
| Energy | | | | |
| Water | | | | |
| Waste Management | | | | |
| Greenhouse Gases (GHG)/Carbon Emissions | | | | |
| Biodiversity (ecosystem and balance of species) | | | | |

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| | I I | | | | X |
| Compliance (tire chille related canctions/tipes/populties) | | | | | |
| Compliance (fire, spills, related sanctions/fines/penalties) | | | | | |
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| | | | | | |
| Product and Service Stewardship | | | | | |
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