



Separate Financial Statements

REPORT OF THE BOARD OF DIRECTORS' RESPONSIBILITIES FOR THE FINANCIAL STATEMENTS

The main priority of the Board of Directors is to supervise the Company's operations, making sure they are in line with good corporate governance policy and that the financial statements and financial information appearing in the Company's annual report (56-1 One Report) are accurate, complete, and adequate. Its duty is also to make sure that the financial statements are in line with Thai Financial Reporting Standards and that an appropriate accounting policy has been chosen and is being carefully pursued on a regular basis. In addition, the Board of Directors must also ensure that the Company has an effective internal control system to assure the credibility of its financial statements. The Board also ensures protection over potential conflicts of interest through systems which are placed to prevent unusual transactions. Connected transactions which might lead to possible conflicts of interest are closely monitored to ensure they are genuine transactions and are reasonably carried out, based on the normal course of business and for the Company's maximum benefits, and that the Company is in compliance with relevant laws and regulations. The Audit Committee has already reported the result of its action to the Board of Directors and has also reported its opinions in the Audit Committee's Report as seen in the annual report (56-1 One Report).

The Board of Directors is of the opinion that the Company's internal control system has been proved to be satisfactory. The Board was able to obtain reasonable assurance on the credibility of the Company's financial statements as at 31 December 2021 which the Company's auditor has audited based on the generally-accepted accounting standards. The auditor is of the opinion that the financial statements present fairly the Company's financial position and the results of its operations in accordance with generally accepted accounting principles.

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Mr. Chanin Vongkusolkit Chairman of the Board of Directors





Mrs. Somruedee Chaimongkol Chief Executive Officer



REPORT OF THE AUDIT COMMITTEE TO SHAREHOLDERS

Dear Shareholders of Banpu Public Company Limited,

The Audit Committee of Banpu Public Company Limited consists of three independent directors who are competent having diverse expertise and experience in accounting, finance and banking, business management, and economics, namely Mr. Teerana Bhongmakapat, as Chairman of the Audit Committee, Mr. Suthad Setboonsarng, and Mr. Pichai Dusdeekulchai, as committee members. Ms. Wiyada Wiboonsirichai, Head of Global Internal Audit and Compliance, is the Secretary of the Audit Committee.

The Audit Committee performs its duties with independence within the scope and responsibilities delegated by the Board as stipulated in the Audit Committee Charter, which has been reviewed to comply with the regulations of the Securities and Exchange Commission (SEC) and the Stock Exchange of Thailand (SET), best practice guidelines, and good corporate governance. The Audit Committee strictly complies with local and international laws and regulations relevant to business operations, the Anti-Corruption Policy, and the Personal Data Protection Act (PDPA). In addition, the Committee has an effective and efficient internal control system and sufficient appropriate internal auditing to support the Company to achieve its goals and sustainable business operations.

In 2021, the Audit Committee convened nine meetings with full attendance of all members. The meetings were participated by executives, the Global Internal Audit Department, and external auditors in related agenda. The Audit Committee also held a closed meeting session with the external auditors without the presence of management. The results of Audit Committee meetings are guarterly reported to the Board of Directors. The Audit Committee's main activities can be summarized as follows:

1. Review of Financial Statements

The Audit Committee reviewed Banpu's quarterly financial information and the 2021 financial statements on key matters, including related-party transactions, the transactions with a possible conflict of interest, and the appropriateness of accounting policies together with related management and external auditors. Disclosure of key audit matters in the auditor's report was also reviewed based on such criteria as the reliability of accounting estimates, assumptions which require judgment by the management as well as the impact of changes in financial reporting standards. Financial statements have to be accurate, reliable, and beneficial to the users of the financial statements. The Audit the Committee has an unqualified opinion that the Company's financial statements were prepared in accordance with applicable laws and Thai Financial Reporting Standards (TFRS), which are aligned with International Financial Reporting Standards (IFRS); thus, they are accurate and reliable with adequate and timely information disclosure for the benefit of investors and users of the financial statements.

2. Review of Internal Control and Internal Audit

The Audit Committee together with the Global Internal Audit Department, reviewed the internal audit concerning operation, resource utilization, asset protection, prevention or reduction of errors, damages, corruption, the creditability of financial statements, and legal compliance. The Audit Committee also drove the improvement of connected processes of risk management, internal control, and legal compliance focusing on raising awareness among employees according to the processes to ensure prudent and judicious internal control. The Audit Committee supported the management in overseeing IT governance to achieve continuous improvement and ensure cybersecurity to boost confidence in the Company's potential. According to the internal control review results using the Internal Control Sufficiency Evaluation Form developed by Thailand's Securities and Exchange Commission (SEC), no significant issues or shortcomings were detected. The Audit Committee is confident that Banpu has sufficient and appropriate internal control for effective business management and operations.

The Audit Committee supervised internal audits by reviewing and approving the strategic plan of the Global Internal Audit Department, annual audit plan, reviewing audit results, and monitoring corrective actions on material issues. The Audit Committee also promoted staff development to enhance knowledge and capabilities in order to improve efficiency and standard of internal audit with an aim to raise internal control standards in terms of public confidence and consultation. In addition, the Committee supported using data analytics and digital technology to boost the efficiency and effectiveness of internal audits. During the COVID-19 pandemic, the internal audit adopted remote auditing and deployed data analytics before conducting an audit to improve the audit efficiency. Part of the results was also used as input for consulting services to create added value for the business, such as how to reduce costs and improve productivity for the Company and related units.

3. Review of Legal Compliance

The Audit Committee reviewed Banpu group's compliance with laws and regulations relevant to its businesses. The Corporate Compliance Department is

responsible for promoting and monitoring compliance performance to ensure full compliance with applicable laws and regulations and reporting the results to the Audit Committee. The Company improved the group's compliance documents with practices enforced in all countries based on the Three Lines Model for risk management to provide guidance and raise awareness of compliance process among business units. The Company also extended activity-based compliance to cover the high-level and end-to-end compliance processes.

In 2021, the Company improved the corporate risk management system and the supervision of legal compliance by deploying computer's software programs and digital tools to enhance the capability of risk monitoring activities to enable various reporting according to the diverse needs of operators and the management. The work system and applications were developed by Banpu's internal units, for instance, the Corporate Compliance Department, Compliance Units from each country, Digital Center of Excellence (DCOE), and IT units to ensure an appropriate and prompt response to the situation and support the management's decision-making.

- Regulatory Change Management through the Laws in Hand (LIH) system supports the management of changes in laws, rules, and regulations of the government sector and relevant government agencies. It is used to communicate legal and regulatory updates and trends in the countries where the Company has invested, which enables effective and timely responses.
- Permit & License Monitoring Dashboard supports risk management and monitoring of the management of permits and licenses to ensure legal compliance as well as to track and report compliance performance according to the needs of operating employees and the management in a timely and appropriate manner.

- Compliance Self-Assessment Application is used to ensure effective assessment of compliance of each unit's activities with applicable laws, rules, and regulations of the government sector and relevant government agencies.
- Compliance Risk Management (C-RiM Application) enables the procedure of reporting and monitoring risk assessment according to the needs of employees and the management that is timely, appropriate to the situation, and meet the needs of the government sector and relevant government agencies.

Apart from that, Banpu has prepared for compliance with the Personal Data Protection Act (PDPA) in Thailand and applicable laws in other countries. The Company established policies and practices, set up a working committee, appointed data protection officers, and created a data inventory in every business unit. It also communicated about the PDPA, use and collection of personal data, data loss prevention system, and coordination with government authorities to ensure that all executives and employees understand, realize the importance, and strictly comply with the act.

4. Good Corporate Governance

The Audit Committee reviewed ethical business conduct, effectiveness, and efficiency of good corporate governance of the Board of directors, the management, and employees. Besides, the Board of directors and the management are expected to act as role models. After reviewing related party transactions or the transactions that may cause conflicts of interest between Banpu, its subsidiaries, and connected persons, the Audit Committee agreed that those transactions were carried out under general commercial conditions. They were reasonable and beneficial to the Company's operations and complied with the SEC's and SET's rules and regulations. The Company is also committed to ethical and transparent business operations under good corporate governance principles and the Code of Conduct. It has promoted strict compliance with the Anti-corruption Policy and the Corporate Fraud Management Policy. The Company has established whistleblower channels for receiving complaints or reports of corruption and entrusted the Investigation Committee to investigate corruption or suspicious acts of corruption through a procedure that is fair to all parties.

5. Oversight of Risk Management System

The Audit Committee quarterly reviewed the efficiency and effectiveness of the risk management based on the report of the Enterprise Risk Management Department. The Committee assessed and monitored material risks that might threaten the Company's business operations and preventive measures for risk management to company's risk appetite as well as new businesses into which the Company has expanded investment. Risk factors might stem from changing situations and business environment, including risks in such areas as strategy, operations, finance, legal compliance, information technology, corruption, reputation, and risk of non-compliance with the Personal Data Protection Act (PDPA). The Enterprise Risk Management Department has monitored key risk management, preventive measures, situations that might impact the business, with emphasis on systematic risk management in response to rapidly-changing situations and trends.

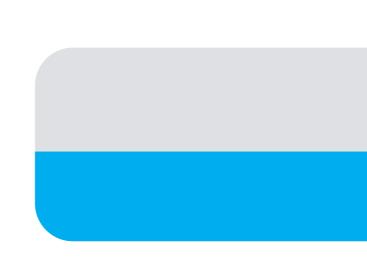
The Company has prioritized material issues related to Environmental, Social, and Governance (ESG) principles and strategic planning as well as preparation for global change. It has established an ESG framework and conducted an ESG risk assessment for both short and long terms. The Company focuses on such environmental risks as greenhouse gas emissions, water management, and air pollution management. Regarding social risks, the Company stresses employee management and capacity building, occupational health and safety management, community relations, and community development.

In terms of governance, the Company emphasizes sustainable corporate governance, ethical business conduct, supplier and contractor management, business continuity management, personal data management, as well as cybersecurity. In 2021, the Company established the Environmental, Social, and Governance (ESG) Committee to oversee material ESG issues, advise on related strategies, review and monitor ESG performance, and perform other duties together with the management to drive the ESG strategy and operations toward achieving sustainable business goals.

6. Appointment of External Auditors and **Determination of the Audit Fee for 2022**

The Audit Committee considered the selection of external auditors based on Banpu's evaluation criteria, including experience, knowledge, experience, independence, timeliness, and reasonableness of audit fees, as well as required qualifications according to the Stock Exchange of Thailand (SET) regulations. The Audit Committee proposed the appointment of auditors to the Board of Directors for shareholders' approval. The following individuals were nominated:

- 1. Ms. Rodjanart Banyatananusard, CPA, License No. 8435; and/or
- 2. Ms. Amornrat Permpoonwattanasuk, CPA, License No. 4599; and/or



- 3. Mr. Pongthavee Ratanakoses, CPA, License No. 7795; and/or
- 4. Mr. Boonrueng Lerdwiseswit, CPA License No. 6552.

One of the individuals on this list shall conduct an audit and express an opinion on Banpu's financial statements on behalf of PricewaterhouseCoopers ABAS Ltd. (PwC). In case any of these CPA auditors cannot perform the duties, PricewaterhouseCoopers ABAS Ltd. (PwC) shall appoint any of its CPAs as a substitute. The total audit fee for Banpu was proposed at THB 2.780.000.

In summary, in 2021, the Audit Committee fully performed its delegated duties and responsibilities with prudence and independence for the equitable benefit of stakeholders. The Committee maintained its opinion that Banpu is committed to good corporate governance policy and has an appropriate risk management system in compliance with relevant laws and regulations. In addition, Banpu has efficient internal control and internal audit systems that safeguard and create sustainable added value and business growth. The Company's financial statements are accurate and reliable with adequate information disclosure, in accordance with the Generally Accepted Accounting Principles.

> 21 February 2022 On behalf of the Audit Committee

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Mr. Teerana Bhongmakapat Chairman of the Audit Committee Banpu Public Company Limited



INDEPENDENT AUDITOR'S REPORT

To the shareholders of Banpu Public Company Limited

My opinion

In my opinion, the consolidated financial statements and the separate financial statements present fairly, in all material respects, the consolidated financial position of Banpu Public Company Limited (the Company) and its subsidiaries (the Group) and the separate financial position of the Company as at 31 December 2021, and its consolidated and separate financial performance and its consolidated and separate cash flows for the year then ended in accordance with Thai Financial Reporting Standards (TFRS).

What I have audited

The consolidated financial statements and the separate financial statements comprise:

- the consolidated and separate statements of financial position as at 31 December 2021;
- the consolidated and separate statements of comprehensive income for the year then ended;
- the consolidated and separate statements of changes in equity for the year then ended;
- the consolidated and separate statements of cash flows for the year then ended; and
- the notes to the consolidated and separate financial statements, which include significant accounting policies and other explanatory information.

Basis for opinion

I conducted my audit in accordance with Thai Standards on Auditing (TSAs). My responsibilities under those standards are further described in the Auditor's responsibilities for the audit of the consolidated and separate financial statements section of my report. I am independent of the Group and the Company in accordance with the Code of Ethics for Professional Accountants issued by the Federation of Accounting Professions that are relevant to my audit of the consolidated and separate financial statements, and I have fulfilled my other ethical responsibilities in accordance with these requirements. I believe that the audit evidence I have obtained is sufficient and appropriate to provide a basis for my opinion.

Key audit matters

Key audit matters are those matters that, in my professional judgement, were of most significance in my audit of the consolidated and separate financial statements of the current period. These matters were addressed in the context of my audit of the consolidated and separate financial statements as a whole, and in forming my opinion thereon, and I do not provide a separate opinion on these matters.

Key audit matter

Impairment assessment of goodwill

Refer to Note 19 Goodwill.

As at 31 December 2021, the Group has goodwill in the amount of US Dollar 432 million in the consolidated statement of financial position. The goodwill mainly arose from the acquisitions of mining business in overseas. Goodwill of US Dollar 354 million arose from the acquisition of coal mining business in Australia.

Management assesses impairment of good will annually. The impairment test is performed at the level of the cash generating unit (CGU) and computing the recoverable amount by applying a value-in-use model which involves the significant management judgements in respect to the future operating results of business, projected cash flows and the discount rate to be applied to the projected cash flows. The key assumptions applied in the value-in-use model of coal mining business in Australia include the trend of global coal prices, estimated reserves on coal, production plans, cost structures, growth rate and discount rate applied to cash flow forecasts.

As a result of management tests, the Group did not recognise any impairment loss in the 2021 consolidated financial statements.

How my audit addressed the key audit matter

The audit procedures of this matter were performed by the component auditor in Australia. I planned the audit of the subsidiaries' financial information to support the audit of consolidation process and communicated them to the component auditors. In addition, I understood and evaluated the work of the component auditor to obtain sufficient and appropriate audit evidence for the impairment testing of goodwill arising from the acquisition of coal mining business in Australia. I also satisfied myself as to the appropriateness of management's identification of the Group's CGUs and the continued satisfactory operation of the Group's controls over the impairment assessment process.

The component auditor carried out the following procedures to review management's assessment of impairment testing of goodwill which I have reviewed.

- held discussions with the management to understand the basis for the assumptions used and assessed whether the impairment testing process and assumptions had been applied consistently across the Group.
- evaluated management's significant assumptions used in impairment testing for goodwill, specifically the global coal price, foreign exchange rate forecasts, production plan, cost profiles and discount rate. The procedures included comparing the key assumptions to the external sources for trend of global coal price, foreign exchange rate forecasts and the approved business and mine plan.



Key audit matter

How my audit addressed the key audit matter

Impairment assessment of goodwill

I focused on the valuation of goodwill arising from the acquisition of coal mining business in Australia due to its significant value and the fact that the determination of value-in-use depends on a number of assumptions. Those assumptions involve significant judgement made by the management in assessing the possibility of future business plans.

• assessed the reasonableness of business and mine plans for 2021 and compared the plans with actual results of 2021.

- assessed the discount rate taking into account the independently obtained data from available public information of companies in the industry, to see whether the discount rate used by management was within an acceptable range.
- tested sensitivity analysis over key assumptions in the model prepared by the management in order to assess factors to be sensitive to assumptions and potential impact of a range possible outcomes.

As a result of the procedures performed, the key assumptions used by the management in assessing the recoverable amount of goodwill are within the reasonable range and consistent with supporting evidence.

Acquisition of investment in a subsidiary

Refer to Note 14.1 d) Acquisition of investment in a subsidiary.

During the year ended 31 December 2021, BKV-BPP Power LLC (BKV-BPP), which is held equally by Banpu Power US Corporation (BPP US), and BKV Corporation (BKV) completed the purchase of all shares in Temple Generation Intermediate Holdings, LLC which holds a 100% interest in Temple I gas-fired power plant in the United States with the total consideration of US Dollar 440.96 million.

The audit procedures of this matter were performed by a component auditor in the United States. I planned the audit procedures of the consolidation process and communicated them to the component auditors. In addition, I understood and evaluated the work performed by the component auditor to obtain sufficient and appropriate audit evidence. The component auditor carried out the following procedures, which I have reviewed, to obtain evidence for management's assessment of accounting related to the asset acquisition and allocation of the purchase price according to the relative fair value of identifiable assets acquired.

Key audit matter

Acquisition of investment in a subsidiary

The management applied a concentration test which is an optional test to permit a simplified assessment of whether the acquired set of activities and assets qualified as not a business acquisition according to TFRS 3, Business combinations. As a result, management determined that this acquisition is an asset acquisition under TFRS 3 because substantially all of the fair value of the gross assets acquired is concentrated in property, plant and equipment of Temple I. Therefore, the management applied the concept in TFRS 3 for the valuation methodology and assumptions used in the model to the measure the fair value of property, plant and equipment arising from the asset acquisition by involving the external valuer.

I focused on identifying the fair value of assets arising from the asset acquisition due to its significant value and the valuation involves significant assumptions and judgments made by the management.

How my audit addressed the key audit matter

- reviewed management's assessment that the net assets acquired meet the concentration test criteria, and do not meet the definition of a business under TFRS 3, and should be accounted for as an asset acquisition.
- evaluated the competency, qualifications, experience and objectivity of the external valuer who is management's expert.
- assessed the appropriateness of the identifiable assets acquired and the liabilities assumed at the acquisition date and evaluated management's procedures for determining the fair values of the net identifiable assets acquired and the allocation of the purchase price proportionally according to the relative fair values.
- tested the calculation of fair values of property, plant and equipment acquired, challenged management's judgement in relation to the assumptions used in the cash flow forecasting and compared those assumptions to the relevant underlying agreements and external sources.
- assessed the discount rate, taking into account independently obtained data from available public information of companies in the industry, to see whether the discount rate used by management was within an acceptable range.

As a result of the procedures performed, I determined that the acquisition of shareholding in Temple Generation Intermediate Holdings, LLC is an asset acquisition based on the application of the optional test (the concentration test) under TFRS 3. The assumptions used to identify the fair value of property, plant and equipment arising from the asset acquisition were reasonable and in line with the accounting for asset acquisition.



Other information

The directors are responsible for the other information. The other information comprises the information included in the annual report, but does not include the consolidated and separate financial statements and my auditor's report thereon. The annual report is expected to be made available to me after the date of this auditor's report.

My opinion on the consolidated and separate financial statements does not cover the other information and I will not express any form of assurance conclusion thereon.

In connection with my audit of the consolidated and separate financial statements, my responsibility is to read the other information identified above when it becomes available and, in doing so, consider whether the other information is materially inconsistent with the consolidated and separate financial statements or my knowledge obtained in the audit, or otherwise appears to be materially misstated.

When I read the annual report, if I conclude that there is a material misstatement therein, I am required to communicate the matter to the audit committee.

Responsibilities of the directors for the consolidated and separate financial statements

The directors are responsible for the preparation and fair presentation of the consolidated and separate financial statements in accordance with TFRS, and for such internal control as the directors determine is necessary to enable the preparation of consolidated and separate financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated and separate financial statements, the directors are responsible for assessing the Group's and the Company's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless the directors either intend to liquidate the Group and the Company or to cease operations, or has no realistic alternative but to do so.

The audit committee assists the directors in discharging their responsibilities for overseeing the Group's and the Company's financial reporting process.

Auditor's responsibilities for the audit of the consolidated and separate financial statements

My objectives are to obtain reasonable assurance about whether the consolidated and separate financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes my opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with TSAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated and separate financial statements.

As part of an audit in accordance with TSAs, I exercise professional judgement and maintain professional scepticism throughout the audit. I also:

- collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that of the Group's and the Company's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by the directors.
- cease to continue as a going concern.
- represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business opinion.

• Identify and assess the risks of material misstatement of the consolidated and separate financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for my opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve

are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness

• Conclude on the appropriateness of the directors' use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Group's and the Company's ability to continue as a going concern. If I conclude that a material uncertainty exists, I am required to draw attention in my auditor's report to the related disclosures in the consolidated and separate financial statements or, if such disclosures are inadequate, to modify my opinion. My conclusions are based on the audit evidence obtained up to the date of my auditor's report. However, future events or conditions may cause the Group and the Company to

• Evaluate the overall presentation, structure and content of the consolidated and separate financial statements, including the disclosures, and whether the consolidated and separate financial statements

activities within the Group to express an opinion on the consolidated financial statements. I am responsible for the direction, supervision and performance of the group audit. I remain solely responsible for my audit





I communicate with the audit committee regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that I identify during my audit.

I also provide the audit committee with a statement that I have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on my independence, and where applicable, related safeguards.

From the matters communicated with the audit committee, I determine those matters that were of most significance in the audit of the consolidated and separate financial statements of the current period and are therefore the key audit matters. I describe these matters in my auditor's report unless law or regulation precludes public disclosure about the matter or when, in extremely rare circumstances, I determine that a matter should not be communicated in my report because the adverse consequences of doing so would reasonably be expected to outweigh the public interest benefits of such communication.

PricewaterhouseCoopers ABAS Ltd.

Rodjanart Banyatananusard Certified Public Accountant (Thailand) No. 8435 Bangu Public Company Limited Statement of Financial Position As at 31 December 2021

STATEMENT OF FINANCIAL POSITION

| | | Eenselidated financial si | | | | | | | |
|---------------------------------------------------------------------------------------------|-------|---------------------------|-------------------|------------------|-------------|--|--|--|--|
| | | | US Bellar'000 | | Baht'000 | | | | |
| | Netes | 202 1 | 2020 | 202 1 | 2020 | | | | |
| Assets | | | | | | | | | |
| Eurrent assets | | | | | | | | | |
| Eash and cash equivalents Investment in debt instruments measured at fair value | 10 | 1;184;361 | 730;456 | 39;581;234 | 21;940;785 | | | | |
| through profit or loss | ß | 15;687 | 11;071 | 524;272 | 332;546 | | | | |
| Investment in debt instruments measured at fair value through other comprehensive income | Ê | 168 | 348 | 5;600 | 10;392 | | | | |
| Investment in debt instruments measured at amortised cost | | : | 156 | = | 4;878 | | | | |
| Frade accounts receivable; net | 11 | 472;940 | 248;754 | 15;805;596 | 7;471;862 | | | | |
| Amounts due from related parties | 30 | 2;868 | 1;10 4 | 69;096 | 33;166 | | | | |
| Eurrent portion of dividend receivables from related parties | 30 | 24 ;191 | 25;819 | 808;475 | 775;517 | | | | |
| Inventories; net | 12 | 116;83 4 | 101;389 | 3;904;574 | 3;045;444 | | | | |
| Spare parts and machinery supplies; net | | 41;400 | 29;622 | 1;383;594 | 889;764 | | | | |
| Financial derivative assets due in one year | ß | 20;990 | 29;961 | 701;494 | 899;933 | | | | |
| Short-term loans to related parties | 30 | 69;260 | 61;130 | 2;314;662 | 1;836;164 | | | | |
| Eurrent portion of deferred exploration and | | | | | | | | | |
| development expenditures and deferred | | | | | | | | | |
| everburden expenditures/stripping cests; net | 17 | 78;475 | 64;505 | 2;622;612 | 1;937;535 | | | | |
| Non-current assets held-for-sale | 14 | 172;048 | = | 5;749;827 | = | | | | |
| Other current assets | 13 | 358;037 | 270;450 | 11;965;563 | 8;123;507 | | | | |
| Total current assets | | 2;556;459 | 1;574;763 | 85;436;599 | 47;301;291 | | | | |
| Non-current assets | | | | | | | | | |
| Bividend receivables from a related party | 30 | 7;148 | 9;616 | 238;831 | 288;831 | | | | |
| Long-term loans to a related party | 30 | 16;664 | 20,888 | 556;903 | 627:400 | | | | |
| Investments in associates and joint ventures | 00 | 10,001 | 20,000 | 000,000 | 021,100 | | | | |
| accounted for using the equity method | 14 | 1;645;453 | 1;689;950 | 54;990;890 | 50;761;193 | | | | |
| Investments in equity instruments measured at fair value | | .,, | .,, | .,, | , | | | | |
| through other comprehensive income | ß | 164;424 | 153;415 | 5;495;041 | 4;608;143 | | | | |
| Investment in equity instrument measured at fair value | | - , | , - | -,,- | ,, - | | | | |
| through profit or loss | Ê | 7;727 | : | 258;239 | = | | | | |
| Investment property; net | | 1;488 | 1;549 | 49;714 | 46;524 | | | | |
| Property, plant and equipment, net | 15 | 3;416;125 | 2;580;897 | 114,166,560 | 77;522;651 | | | | |
| Beferred income tax assets; net | 20 | 103;567 | 165;679 | 3;461;183 | 4,976,512 | | | | |
| Financial derivative assets, net | ê | 63,719 | 9,391 | 2,129,467 | 282;078 | | | | |
| Beferred exploration and development expenditures and | | | | | | | | | |
| deferred overburden expenditures/stripping costs; net | 17 | 888;847 | 1;015;594 | 29;705;179 | 30;505;498 | | | | |
| Mining property rights; net | 18 | 1;276;104 | 1;358;941 | 42;647;263 | 40;818;643 | | | | |
| Right-sf-use assets; net | 16 | 65;873 | 71;536 | 2;201;476 | 2;148;741 | | | | |
| Geedwill | 19 | 431;568 | 446;748 | 14;422;945 | 13;419;014 | | | | |
| Other non-current assets | 21 | 300;393 | 277;693 | 10;039;109 | 8;341;101 | | | | |
| Total non-current assets | | 8;389;098 | 7;801;897 | 280;362;800 | 234;346;329 | | | | |
| Total assets | | 10:945:557 | 9:376:660 | 365,799,399 | 281:647:620 | | | | |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

FINANCIAL REPORT 2021

As at 31 December 2021



STATEMENT OF FINANCIAL POSITION

Banpu Public Company Limited Banpu Public Company Limited Statement of Financial Position As at 31 December 2021 As at 31 December 2021

| | | | C | onsolidated finan | cial statements |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------|--------------------------------|------------------------------------|-------------------------------------|
| | | | US Dollar'000 US Dollar'000 | | |
| | Notes Notes | <u>2021</u> 2021 | 2020 | <u>2021</u> 2021 | Baht'000 2020 2020 |
| Assets Liabilities and equity | notes | | 2020 | 2021 | 2020 |
| Current assets | | | | | |
| Cantern house outvalents | 10 | 1,184,361 | 730,456 | 39,581,234 | 21,940,785 |
| Investment in debt instruments measured at fair value | | | | | |
| Shthfeligh Reafit for financial institutions | 22 | 1,173;987 | 827;978 | 39, 231;867 | 24,886;549 |
| nvestment in debt instruments measured at fair value Trade accounts payable | | 98,547 | 67,425 | 3,293,416 | 2,025,238 |
| through other comprehensive income Accrued interest expenses | 6 | 33,228 | 25,336 | 1,115;469 | 761;023 |
| Investment in debt instruments measured at amortised cost Accrued royalty expenses | | 3,443 | 22,728 | 115,072 | 682;429 |
| Trade accounts receivable, net Accrued overburden and coal transportation costs | 11 | 472,940 77,367 | 248,754 60,341 | 15,805,596 2,585,582 | 7,471,862 1,812,462 |
| Amounts due from related parties Accrued income taxes | 30 | 2,068 99,685 | 1,104 4,141 | 69,096 3,331,470 | 33,166 124,377 |
| Current portion of dividend receivables from related parties Accrued employee benefits Inventories, het | 30 | 24,191 | 25,819 102,798 | 808,475 3,029,053 | 775,517 3,08 <u>7,7</u> 58 |
| Inventories, net Financial derivative liabilities due in one year Spare parts and machinery supplies, net | 12 6 | 116,834 128,120 41,400 | 101,389 20,727 | 3,904,574 4,281,755 | 3,045,444 622,587 |
| Spare parts and machinery supplies, net Current portion of long-term loans from financial institutions, net Financial derivative assets due in one year | 24 6 | 41,400 517,009 20,990 | 29,622 675,305 | 1,383,594 17,278,404 701,494 | 889,764 20,284,211 |
| Financial derivative assets due in one year Current portion of debentures, net Short-term loans to related parties | 6 35 | 20,990 119,672 69,260 | 29,961 133,161 61,130 | 2,999,435 2,314,662 | 3,999,933 3,999,761 1,836,164 |
| Short-term loans to related parties CUFFERT BSFEISH SF dEFEFFED UXBAYPAHT8R/Bnd | 30 | 69;260 | 61,130 | 2;314;662 | 1,836,164 |
| BevtiRpfrliehillit턌pefleitures and deferred | | 4,180 | 7,868 | 139,684 | 236,328 |
| Currenbordienex legendiaties and defended | 10 | 25,899 | 64,483 | 2,622,642 | 1,997,696 |
| verbarder expenditures/suppling costs, net | 23 | 532,585 | 229,947 | 15,939,620 | 6,906,926 |
| Dther current assets | 13 | 358,037 | 270,450 | 11,965,563 | 8,123,507 |
| | 10 | 2,908,185 | 2,210,769 | 97,191,249 | 66,485,887 |
| Total current liabilities Total current assets | | 2;556;459 | 1,574,763 | 85;436;599 | 47;301;291 |
| Non-current Rabhinses | | | | | |
| Dividend receivables from a related party | 30 | 7,146 | 9,616 | 238,831 | 288,831 |
| Long-term loans from finale any titutions, net | 30 | 2,278;643 | 2,220,888 | 75,836,388 | 66,893,753 |
| Problem Indiassociates and joint ventures | 25 | 1,911,304 | 1,516,955 | 63,875,581 | 45,564,917 |
| Defected nitespine taking philities whether he | 20 | 1,6 45,493 | 1,6 89,940 | 54,990,895 | 50,580,993 |
| Envestoyeentseinesidsuidoligeation ents measured at fair value | | 39,701 | 38,875 | 1,326,790 | 1,167,683 |
| Detferoreghun the concerning the technic state of techn | 6 | 164,424 | 15 3,426 | 5,495,041 | 4,6 98,90 3 |
| Fin estriænderivædivit eyli talstitue ænteneasured at fair value | 6 | 52,776 | 25,983 | 1,763,754 | 780,458 |
| Lettrowabipriefit actoss | 196 | 23,535 | 17,474 | 859,279 | 524,876 |
| ምሃፍቶ፤በንብባቴዎርትድሮቶጳ/milestioning, restoration, and | | 1,488 | 1,549 | 49,714 | 46,524 |
| Pronnetyandanatanal gayinenabtiitation | 15 | 3,446,385 | 2,580;888 | 114;392;598 | 73;534;997 |
| Beferred income taxassets, net | 20 | 203;597 | 165,679 | 3;098;383 | 4;936;534 |
| Financial derivative assets, net | 6 | 63,719 | 9,391 | 2,129,467 | 282,078 |
| Deferred exploration and development expenditures and lotal non-current liabilities deferred overburden expenditures/stripping costs, net | 17 | 4,934,516 888,847 | 4,350,864 1,015,594 | 164,911,017 29,705,179 | 130,687,332 30,505,498 |
| Vining property rights, net Total liabilities | 18 | 1,276,104 7,842,701 | 1,358,941 6,561,633 | 42,647,263 262,102,266 | 40,818,643 197,092,369 |
| Right-of-use assets, net | 16 | <u>- 65,873</u> - | 71,536 | 2,201,476 | 2,148,741 |
| Goodwill | 19 21 | 431,568 | 446,748 | 14,422,945 | 13,419,014 |
| Other nen eurrent essets | 21 | 300,393 | 277,693 | 10,039,109 | 8,341,101 |
| Other non-current assets | | | | | |
| Other non-current assets Total non-current assets | | 8,389,098 | 7,801,897 | 280,362,800 | 234,346,329 |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

STATEMENT OF FINANCIAL POSITION

Banpu Public Company Limited Banpu Public Company Limited Statement of Financial Position Statement of Financial Position As at 31 December 2021 As at 31 December 2021

| | | | | onsolidated finan | cial statemen |
|------------------------------------------------------------------------------------------------------------------|----------------|----------------------|---------------------|---------------------------|---------------------|
| | | | US Dollar 000 | | Baht'0 |
| Acesta | Notes Notes | <u>2021</u> 2021 | 2020 | <u>2021</u> 2021 | 20 |
| Assets | | | | | |
| Current assets iabilities and equity (continued) | | | | | |
| Cash and cash equivalents | 10 | 1,184,361 | 730,456 | 39,581,234 | 21,940,78 |
| ny stment in debt instruments measured at fair value | | | | | |
| through profit or loss | 6 | 15,687 | 11,071 | 524,272 | 332,54 |
| nvestment in debt instruments measured at fair value | 26 | | | | |
| through other comprehensive income Registered share capital | 6 | 168 | 346 | 5,600 | 10,3 |
| nvestment in debt instruments measured at amortised cost 10,149,163,028 ordinary shares at par of Baht 1 each | | - | 156 | - | 4,6 |
| Trade accounts receivable, net (31 December 2020: 5,074,581,515 ordinary shares | 11 | 472,940 | 248,754 | 15,805,596 | 7,471,8 |
| Amounts due from related parties | 30 | 2,068 | 1,104 | 69,096 10,149,163 | 33,1 5,074,58 |
| at par of Baht 1 each) Current portion of dividend receivables from related parties | 30 | 24,191 | 25,819 | 10,149,163 808,475 | 5,074,5 775,5 |
| nventories, net | 12 | 116,834 | 101,389 | 3,904,574 | 3,045,4 |
| Issued and paid-up share capital Spare parts and machinery supplies, net | | 41,400 | 29,622 | 1,383,594 | 889,7 |
| 6,766,108,686 ordinary shares at paid-up of Baht 1 each Financial derivative assets due in one year | 6 | 20,990 | 29,961 | 701,494 | 899,9 |
| (31 December 2020: 5.074.581,515 ordinary shares Short-term loans to related parties | 30 | 69,260 | 61,130 | 2,314,662 | 1,836,1 |
| Current poid-up of Baht 1 (each) Current portion of deterred exploration and | | 198,500 | 147,424 | 6,766,108 | 5,074,5 |
| remium on share capital | 26 | 647,929 | 443,624 | 22,138,547 | 15,372,4 |
| have have have have have have have have | 17 | 28,3173 | 64,9505 | 2,622,692 | 1,957,9 |
| Attaiced on alses held-for-sale | 14 | 172,048 | - | 5,749,827 | |
| Difuepropriated ssets | 13 | 358,037 | 270,450 | 11,965,563 | 8,123,5 |
| - Legal reserve Total current assets | 26 | 2,556,459 | 95,543 1,574,763 | 3,318,402 85,436,599 | 3 157,9 47,301,2 |
| - Other reserves | 26 | 2,556,459 121,159 | 1,574,763 107,317 | 3,906,838 | 47,301,2 3,458,7 |
| Nonappeoplassets | | 1,831,341 | 1,630,812 | 61,096,868 | 54,628,5 |
| Hverenmeeenables free related party | 3 6 | (547,482) | (356,806) | (18,627,198) | (19,463,3 |
| ong-term loans to a related party | 30 | 16,664 | 20,888 | 556,903 | 627,4 |
| nweist naterikeut na lalestocrayoes rand to int Parantires | | 2,372,157 | 2,075,565 | 79,277,252 | 62,343,9 |
| loaccontratingpintenestshe equity method | 14 | 1,76345,6493 | 1,7639,4950 | 254,,4999,,890 | 320,2761,2 |
| nvestments in equity instruments measured at fair value | | | | | |
| otalrequityother comprehensive income | 6 | 3,110624,845264 | 2,81553,94275 | 10 3,,&97,,033 | 844,,5558,2 |
| nvestment in equity instrument measured at fair value | | | | | |
| otarnabilities tand leasity | 6 | 10,94 <i>5,53</i> 7 | 9,376,660 | 365, 759,339 | 281,647,6 |
| nvestment property, net | | 1,488 | 1,549 | 49,714 | 46,5 |
| Property, plant and equipment, net | 15 | 3,416,125 | 2,580,897 | 114,166,560 | 77,522,6 |
| Deferred income tax assets, net | 20 | 103,567 | 165,679 | 3,461,183 | 4,976,5 |
| - inancial derivative assets, net | 6 | 63,719 | 9,391 | 2,129,467 | 282,0 |
| Deferred exploration and development expenditures and | | | | | |
| deferred overburden expenditures/stripping costs, net | 17 | 888,847 | 1,015,594 | 29,705,179 | 30,505,4 |
| /ining property rights, net | 18 | 1,276,104 | 1,358,941 | 42,647,263 | 40,818,6 |
| Right-of-use assets, net | 16 | 65,873 | 71,536 | 2,201,476 | 2,148,7 |
| Goodwill | 19 | 431,568 | 446,748 | 14,422,945 | 13,419,0 |
| Dther non-current assets | 21 | 300,393 | 277,693 | 10,039,109 | 8,341,1 |
| | | 8,389,098 | | | |
| Total non-current assets | | 0,309,098 | 7,801,897 | 280,362,800 | 234,346,3 |
| Total assets | | 10,945,557 | 9,376,660 | 365,799,399 | 281,647,6 |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

As at 31 December 2021

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Separate financial statements

STATEMENT OF FINANCIAL POSITION

Statement of Financial Position Banpu Public Company Limited As at 31 December 2021, 2021 Statement of Financial Position

As at 31 December 2021

| | | | US Dollar'000 | Separate finar | Baht'000 ncial statements | | | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| | Notes | 2021 | 2020 US Dollar'000 | 2021 | <u>2020</u> Baht'000 | | | |
| | Notes | 2021 | 2020 | 2021 | 2020 | | | |
| Assets | | | | | | | | |
| Assets Current assets | | | | | | | | |
| Current assets Cash and cash equivalents | 10 | 114,057 | 216,119 | 3,811,758 | 6,491,574 | | | |
| Trade accounts receivable, net Cash and cash equivalents Amounts due from related parties Trade accounts receivable, net Advances to related parties Amounts due from related parties Inventories, net Advances to related parties Financial derivative assets due in one year Inventories, net Short-term loans to related parties Financial derivative assets due in one year Current portion of long-term loan to related parties Short-term loans to related parties Cutrent portion of long-term loan to related parties Current assets Current portion of long-term loan to related parties | 11 30 311 30 32 30 6 22 30 6 20 30 30 30 30 30 30 30 30 | 7,250 114,057 523,165 7,250 1,497 523,165 4,699 1,497 4,699 74,603 79,500 74,603 6,131 79,500 | $\begin{array}{c} 16,111\\ 216,119\\ 440,517\\ 16,111\\ 1,269\\ 440,517\\ 5,074\\ 1,269\\ 2,997\\ 5,074\\ 1,800\\ 2,997\\ 18,800\\ 7,096\\ \end{array}$ | 242,287 3,817,758 17,484,116 242,287 50,025 17,484,116 157,027 50,025 157,027 2,493,217 2,656,882 2,493,217 2,656,882 | 483,927 6,491,574 13,231,852 38,123 13,231,852 152,401 38,123 90,008 152,401 564,697 90,008 564,697 213,138 | | | |
| Other current assets Total current assets | 13 | 6,131 810,902 | 7,096 | 204,899 27,100,211 | 213,138 21,265,720 | | | |
| Total current assets Non-current assets | | 810,902 | 707,983 | 27,100,211 | 21,265,720 | | | |
| Non-current assets Long-term loans to related parties | 30 | 2,955,695 | 2,283,094 | 98,779,016 | 68,577,510 | | | |
| Investments in subsidiaries using cost method Long-term loans to related parties Investment in equity instruments measured at fair value Investments in subsidiaries using cost method through other comprehensive income | 14 30 14 6 | 2,368,224 2,955,695 2,368,224 7,749 | 2,489,582 2,283,094 2,489,582 6,475 | 79,145,807 98,779,016 79,145,807 258,967 | 74,779,817 68,577,510 74,779,817 194,496 | | | |
| Investment in equity instruments measured at fair value Investment property, net through other comprehensive income Property, plant and equipment, net Investment property, net Right-of-use assets, net Property, plant and equipment, net Financial derivative assets, net Deferred income tax assets, net Financial derivative assets, net Other non-current assets Deferred income tax assets, net | 6 15 16 16 16 16 20 6 21 20 | 1,020 7,749 5,011 1,020 2,309 5,011 813 2,309 5,142 813 7,399 5,142 | 1,020 6,475 5,923 1,020 3,430 5,923 4,245 3,430 64,459 4,245 6,811 64,459 | 34,101 258,967 167,461 34,101 77,161 167,461 27,181 77,161 171,830 27,181 247,268 171,830 | 30,650 194,496 177,901 30,650 103,016 177,901 127,512 103,016 1,936,161 127,512 204,579 1,936,161 | | | |
| Other non-current assets Total non-current assets | 21 | 7,399 5,353,362 | 6,811 | 247,268 178,908,792 | 204,579 146,131,642 | | | |
| Total non-current assets Total assets | | 5,353,362 6,164,264 | 4,865,039 5,573,022 | 178,908,792 206,009,003 | 146,131,642 - 167,397,362 - | | | |
| Total assets | | 6,164,264 | 5,573,022 | 206,009,003 | 167,397,362 | | | |

STATEMENT OF FINANCIAL POSITION

Bangur Bublic Sandban yarimited ited Statement of Financial Basition As at sat Becomber 2021

| | | Separatar financial diatements nts | | | | | | | | | |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| | | | | | Bangelooo | | | | | | |
| | Notes | 2022021 | 2029020 | ²⁰² 2021 | 20292020 | | | | | | |
| Liabilities and equity | | | | | | | | | | | |
| Eurrent liabilities | | | | | | | | | | | |
| Short-term loans from financial institutions Trade accounts payable to subsidiaries Advances from and amounts due to related parties Accrued interest expenses Financial derivative liabilities due in one year Eurrent portion of long-term loans from financial institutions; net Eurrent portion of debentures; net Eurrent portion of lease liabilities; net Other current liabilities | 22 22 30 30 30 30 6 6 24 24 25 25 16 16 23 23 | 8128461461 2,746746 784784 26,429,419 3,989,989 3558951871 1196667672 1,073073 10,676676 | 779,045 6,378,378 1,005,005 22,249,248 8,027,027 428,028,938 133,139,161 1,001,001 5,038,038 | $\begin{array}{c} 27, 152, 1378, 378\\ 91, 758, 758\\ 26, 267, 202\\ 882, 892, 6906\\ 133, 139, 310\\ 11, 893, 897, 310\\ 11, 893, 897, 435\\ 3, 999, 999, 999, 435\\ 35, 873, 356, 797\\ \end{array}$ | 23,499,400,240 191,670,570 30,290,201 668,665,255 241,241,111 12,884,884,047 3,999,699,761 30,980,080 151,612,312 | | | | | | |
| Total current liabilities | | 1,333,691 ,333,691 | 1,384,841,841 | 44,5741,5835,835 | 41,596,596,577 | | | | | | |
| Non-current liabilities | | | | | | | | | | | |
| Long-term loans from financial institutions; net Bebentures; net Employee benefits obligation Financial derivative liabilities; net Lease liabilities; net Other non-current liabilities | 24 24 25 25 6 6 16 16 | 1,506,5081,331 1,911,904,304 13,247,247 22,529,500 1,022,022 1,206,206 | 1,563, 583 ,328 1,516,965,955 16,076,071 20,748,748 2,378,378 366,366 | 50,361,3446,446 63,875,678,1581 442 <u>47429,729</u> 751 ,94 3,943 34,1 <u>9</u> 3,163 40,245,205 | 46,967,9549,843 45,564,6647,917 482,4625,725 623,6251,211 71,474,414 10,969,969 | | | | | | |
| Total non-current liabilities | | ^{3,455,455,610} | 3,119,846,846 | 115,486,067,067 | 93,7 <u>93</u> 1,7079,079 | | | | | | |
| T ətal liabilities | | 4,789,789,301 | 4,504,5687,687 | 160,057,057,902 | 135,397,3956,656 | | | | | | |
| Equity | | | | | | | | | | | |
| Share capital Registered share capital 10;149;163;028 ordinary shares at par of Baht 1 each (31 Becember 2020: 5;074;581;515 ordinary shares at par of Baht 1 each) Issued and paid-up share capital 6;766;108;686 ordinary shares at paid-up of Baht 1 each (31 Becember 2020: 5;074;581;515 ordinary shares at paid-up of Baht 1 each) Premium on share capital Retained earnings | ²⁶ ₂₆ | 198 ₁ 5980 647 692 9929 | 147 1424 443 623 624 | 10,109,1293,163 6,769,7889,108 22,1229,1387,547 | 5,074,6941,581 5,074,6941,581 15,377,3498,438 | | | | | | |
| Appropriated - Legal reserve Unappropriated Other components of equity | ²⁶ ₂₆ 26 ₂₆ | 19,859,850 494,497,670 14,014,014 | 14,9996,996 474,992,992 (12,7921,701) | 6766761,611 15,7 <u>49</u> ,769,969 6626626,866 | 5165483,193 15,053,0513,312 (3,926,9268,818) | | | | | | |
| Tətal equity | | 1,374,9963,963 | 1,068,0685,335 | 45,95,9991,101 | 32,0,32,0,7896,706 | | | | | | |
| Total liabilities and equity | | 6,164,164,264 | 5,573, 6923, 022 | 206208,009,003 | 167,1897,3997,362 | | | | | | |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

As at 31 December 2021

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STATEMENT OF COMPREHENSIVE INCOME

Consolidated financial statements

Banpu Public Company Limited Bayenenetro Complementary Environment December 2021 Ban Reference State S

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| | | | | Consolidated financi Consolidateidatedriti | |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| | Notes | 2021 | | Consodidaded afted rivi | |
| | Notes | 20212021 | US DUSIAD000000000 | 20212021 | Bah |
| Sales and service income | Notes | 4,123,592 (4,123,592 (4,123,592)592 | 2,282,6352020 | 133,190,083 2021 133,198,895,083 | 71,331,752,020 |
| Ealstand and the and t | | | (T:0ZZ:Z39) | (76;976;092) (76 036.090)083) | (56,9 69,019) (56,9 66,039) (56,9 66,039) (56,9 66,039) |
| Groes protit | | (2,39 2,398) 1,731,014 1,73 2,934 ,578) | (1,82 2,292) 460,396 460, 396 460, 396 | (76, 936,992) 082) 56,273,991 56,278,991,082) | 14,342,133 14,342,133 |
| Diversity of the from investment in equity instruments | | . 0:041. | 1;134 | 213;011 | , |
| Star By Bird in the gran for the stores this recipits in the reason of the stores the stores of the | | 38;578,944 | 39,599,796 | 1,228,978,897 | 1,249,798,722 |
| Neverther the tree tree down the street in equity instruments | | 38;6 39 ,640 | 39,5 89 ,590 | 1,2 49,838 ,910 | 1,248,755,780 |
| Sening engenies and others | | (178;602)\$42 | (149; 4 3 9)550 | (5,305;622)389 | (4, 499;448)630 |
| Administrative expenses | | (339(999)602) | (224(479)539) | (5,585, 699)822) | (8;93 7;728)618) |
| ANUSAMANAPERANGASE | | (304 (304) 9042) | (236 (892) 007) | (9,78 (5,995)638) | (6 ₍ 985;397)#28) |
| A BEN HERE THE THE PROPERTY AND A CONTRACT OF THE PROPERTY AND A CONTRACT. THE PROPERTY AND A CONTRACT OF THE PROPERTY AND A CONTRACT OF | | (294,314)341) | (189(884)842) | (9,530; <u>786</u>)939) | (5(986(895)384) |
| Ner gans (losses) from changes in fair value of financial instruments | | (294(394)314) | (182(882)862) | (12;539;888)953) | (5,79 8(865) 899) |
| | | (444(884)895) | 82(683,561) | (1 4,649,689)858) | 2,342,890,669) |
| Net gains the section angle rate in fair value of financial instruments | | (174 (008) 505) | (183;9 63)083 | (3;3 32;945)682) | (3;54 3;599)868 |
| Hereinance weige eate | | (17 6(334) 008) | (17(8(3 \$3)@93) | (5 (578,648) 948) | (5 (438;<u>7</u>78) 896) |
| Share the provide associates and joint ventures using the equity method | 14 | 229(\$ 39) 556) | 136(336)358) | 7(208,000,048) | 4(298(449)448) |
| Sharesiteneonopprovide the second print set to the second print of | 14 14 | 227, 239,557) 690,522 | 135, 336, 335) (8,051) (8,051) (8,052) (8,0551) | 7,290(390 ,0 6) | 4,238(289,649) (299,714) (299(788)714) |
| Stars time of the second stars and joint year turning strengthe by the second stars of | 14 20 | 227, 239, 557) 690, 522 (1 37 (1 98, 53 3) 522 (1 37 | (8,643,051) | 7,297(1997 , 046) 22,344,460 | (299(299)749) |
| Profit loss for the year | 20 20 | (198(698)533) | (8,6 7(9)679) | (6.3 78,877) | (269(269),466) |
| Profit (loss) for the year | 20 | (198(699)533) 492 488 492 (198,033) | (8,6 79)6 59) (16,730) (16, 736)730) (16, 736)730) | (6,3 28,974)6 00) 15,972,583 15,97 2 ,583 15,9 72 ,583 | (269 (269)766) (569,180) (569, 180) |
| Profile/(woods)/fileryteeryear Profile/(woods)/fileryteeryear. Profile/(woods)/fileryteeryear.come (expense), net of taxes: | | 492,489 | (16,730) | 15,942,963,583 | (569,180) |
| Ather ther parties and a singly | | 452,405 | (10,750) | 10,012,000 | (000,100) |
| Refine and with the reclassing the provide the second seco | | 312 | (1.007) | (2E.0GE) | (20,402) |
| Iten stated in the state of the | | 312 312 | (1,027) (1,027)(027) | (35,065) (35,0 (65) 065) | (29,403) (29,4 29)403) |
| - Losses from changes in fair varie or imancial asses measured = Respective from the point of the compatibility of the state in the second of | | (19,530) ³¹² | (7,928)027) | (550,393)065) | (246, 703) 403) |
| - Losares in the comparent of the comparent size in comparent size in comparent size of the comparent size in comparent | | (19,530) ⁵¹² (19, 5(39) 530) | (7,928) ⁹²⁸ (7,928) | (550(393) ³⁰³) (550(390)393) | (246,703) (246,703) |
| | | (11,789)530) | 4,966,928) | (344(559) ³⁹³⁾ | 148(866,703) |
| - Sh afifuturiting diverses in the second state of the second sec | | (11,781) ³³³³ (11,781)781) | 4,966,966 | , | |
| - Translation universities and the equity method | | (11,781) | 4,966 | 3(344 (894)501) | |
| - Tr ipitslanssitutes (prosingebe equity method Total items that will not be reclassified to profit or loss, net of taxes - Lranslation differences Total itemstemat waitwellbeet dealassifies differentiprofitoss jonst, of date taxes | | (30,999) | (3,989) | 3,73 9(834,59 4) 2,809,875 2,80 2,8 75 | (86, 366)999) (214,602) (214,602) (214(602)5556) |
| | | (30,999)999) | (3,989)989) | _,,, | (=::(==)==) |
| Tetalsiteansvihlabevilleolalsbeficeolaalsideeplaten pyvoötpeorilose, jossi of taxes | | (30,999) | (3,989) | 2,809,875 | (214,602) |
| Item stans with the productive standard ly the | | (90,885) | (1,351) | (3,149,989) | (36,926) |
| Items that will be an grant in the subsequently to profit or loss | | (88,989)885) 88,969,965) | (1 7;85(3)351) | (3,749,989) | (2,339;9 26)926) |
| = SPERSE PERSER ELIMONPRESSIVE INCOMPRESSIVE INCOMPRESSI INCOMPRES | | | (77,8 15) 855) | 2,7((2,960 ,968) | (2,33(2,339)929) |
| - Statistican and the second statistical statis | | (97,853) ⁹⁶⁵ | 42, 796, 815) | 2,464;303,956 | 921,884,323) |
| - Share at the new provide the start of the south of the | | (187; 497)853) | 194,399,796 | (2;66 8 ;698)303 | 6,936;948,864 |
| Trassemialed realized we way to be a set of the set of | | (101(490)850) (101.420) | 194, 398 ,396 194,395 | (2,66(2,666)(0)(0) (2,660,098) | 6,15 6,988,66 |
| Total the state will be it will be it will be assifted such and the divertige to the section of | | (201,193) | 158,025 | (835,828) | 4,704,133 |
| Total to the second sec | | (201(293)193) (232,192) | 158, 028 ,025 154,036 154, 036 ,025 | (635(828)828) 2,174,047 | 4,70 4,703 ,133 4,489,531 |
| Otheo transperpresimentation in experimentation of the state states and the state | | (232) 7921 931 | 154,058,035 | 2172(635,828) | 4 489 489 531 |
| One of the second secon | | 260,297 260,297 260,297,192) | 137,306, | 18,146,630 18,146,630 18,146,636,630 | 3,920,351 3,92 6,3 51 3,92 6,9 ,531 |
| Autablutable rehensive income for the year | | 260,297 | 137,306 | 18,146,630 | 3,920,351 |
| Attributer of the second of the year | | 303,931 | (55,739) | 9,851,795 | (1,786,317) |
| | | 363,931 363, 963 ,931 | (55,759) | 8.858.795 | (1,78 6,786)317) |
| Non-controlling interests | | | 39.0 69 ,009) | 6,12 0,788,78 | |
| Non-controlling interests | | 188, 968,95 8 492,489 492, 489 | 39,0 69 ,0 69) (16,730) (16, 736)730) | 6,12 8,826,78 5 15,972,583 15,97 2,583 | 1,21 1,280,337) (569,180) (569 (569) 180) |
| · | | | , , , | | , , , |
| Total comprehensive income attributable to: | | 492,489 | (16,730) | 15,972,583 | (569,180) |
| Totacomprove the parent and an additional to the second se | | 109,158 1 9 9, 199 ,158 | 85,348 8 5,348 | 10,660,443 1 9 , 669,669 ,443 | 2,486,999 2, <u>48</u> 9,989 ,999 |
| Non-controlling interests to a second s | | 151,199,150 | | | 1,43 3,499 ,982 |
| Non-controlling interests | | 151, 199,158 260,297 260, 29 7 260, 26 7,297 | 51,9 55,948 137,306 137, 306 137, 306 ,306 | 7,48 9,499,46 3 18,146,636 18,1 46,636 ,187 | 3,920,351 |
| ~ | | | - 11 | | 0,020,020,000 |
| | | 260,297 | 137,306 US Dollar | 18,146,630 | 3,920,351 Baht |
| | | 2021 | US Data ollar | 2021 | SahtBaht |
| Earnings (losses) per share | | 2021 | US DUSHaDpollagy | 2021 | Bahteetat |
| | 0.5 | 20212021 | 20202020 | 20212021 | 20202020 |
| Earnings (losses) per share Basic earnings (losses) per share Earnings (losses) starionare | 28 | 0.049 | (0.009) | 1.591 | (0.298) |
| Difuted earnings' (losses) per share | 28 28 | 0.048.049 | $(0.009)^{(000)}$ | 1.497.591 | $(0.298)^{298}$ |
| Basibersianingagiki gasebasisgasé atamahéare | 28 <u>2</u> 8 | 0.049.048 | (0.0(0)000) | 1.591.597 | (0.29(0)298) |
| Dilut@ilutechiragsi(ilgss(#ss)spers)spershare | 28 28 | 0.04 6 .046 | (0.00(9)009) | 1.497.497 | (0.29 (8) 298) |
| The notes to the consolidated and separate financial statements are an integral | part of these ti | nanciai statements | | | |

The notes to the consolidated and separate financial statements are an integral part of these financial statements

STATEMENT OF COMPREHENSIVE INCOME

Banpu Public Company Limited Banpu Public Company Limited Statement of Comprehensive Income Statement of Comprehensive Income For the year ended 31 December 2021 For the year ended 31 December 2021

| Sales Sales Cost of sales Cost of sales Cost of sales Gross profit Dividend income from subsidiaries Dividend income from subsidiaries Dividend income from investment in equity instruments Dividend income from investment income Interest income Selling expenses Administrative expenses Effect from group restructuring Effect from group restructuring Effect from group restructuring Effect seconses from changes in fair value of financial instruments Net losses from changes in fair value of financial instruments Net losses on exchange rate Interest expenses Unter financial costs Profit before income taxes Profit before income taxes Income taxes Profit for the year Profit for the year Profit for the year |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Other comprehensive income (expense), net of taxes: Other comprehensive income (expense) net of taxes: Items that will not be reclassified to profit or loss Items that will not be reclassified to profit or loss Remeasurements of post-employment benefit obligations - Remeasurements of post-employment benefit obligations - Gains (losses) from changes in fair value of financial assets - Gains (losses) from changes in fair value of financial assets - Gains (losses) from changes in fair value of financial assets - Gains (losses) from changes in fair value of financial assets - Gains (losses) from changes in fair value of financial assets - Translation differences - Translation differences - Translation differences - Total items that will not be reclassified to profit or loss, net of taxes Item that will be reclassified subsequently to profit or loss - Gains (losses) on cash flow hedge reserve - Gains (losses) on cash flow hedge reserve - Gains (losses) on cash flow hedge reserve - Gains (loss, net of taxes profit or loss, net of taxes - profit or loss, net of taxes - Comprehensive income (expense) for the year, net of taxes Other comprehensive income (expense) for the year, net of taxes - Total comprehensive income for the year |
| Earnings per share Earnings per share Basic earnings per share Basic earnings per share Diluted earnings per share Diluted earnings per share |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

For the year ended 31 December 2021

| | | | Separate financ Separate financ | |
|----------------------|----------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | <u>JS Dollar'000</u> JS Dollar'000 | | Baht'000 |
| Notes Notes | <u> </u> | 2020 | <u>2021</u> 2021 | 2020 |
| | 40,058 40,058 (35,644) (35,644) (35,644) | 48,076 (48,076 (43,401) (43,401) 4,675 | 1,270,576 (1,270,576) (1,129,005) (1,129,005) | 1,500,748 (1,555,226) (1,355,226) (1,355,226) |
| 14 | 89,317 89,360 34,626 136,6349 1(9,6349 (63,628) (55,5229) | 62,975 62,295 25,774 165,384 102,353 (67,638) (57,638) (51,988) | 2,945,5768 2,915,768 1,115,290 3,748,699 3(765,699 (1,585,505) (1,695,385) | 1, 345; 578 1, 978; 662 789; 293 3, 783; 278 3, 783; 278 3, 783; 278 3, 783; 278 3, 783; 278 3, 783; 278 3, 188; 778 (1, 594; 378) (1, 594; 378) |
| 14 | (71;586) (88;528) (138;773) (138;773) (138;773) (4,055) (4,055) 141,090 | 45;897) (17;897) (135;852) (135;852) (3,581) 24,989 | (§78;589) 2(378 ;881) (2 ;433;882) (2 ;433;888) (2 ;433;888) (2 ;433;888) (2 ;988) (2 ;988) (1 29,523) 4,520,487 | ¹ (17 9;844) (<u>349;247</u>) (<u>4</u> (<u>359;757</u>) (<u>4</u> (172;181)) (112,105) <u>815,828</u> |
| 20 20 | 141;536) (61,530) | 24,989 10,218 10,218 | (1; 930 ;341) (1,930,341) | §12;888 312,888 |
| | 80,166 80,166 | 35,207 35,207 | 2,590,146 2,590,146 | 1,128,516 1,128,516 |
| | 219 219 308 308 | (2,010) (2,010) (1,889) (1,889) - | - 10,964 3,739,854 3,739,834 | (60,355) (60,355) (56,976) (56,976) (56,976) (86,556) (86,556) |
| | 527 527 | (3,899) (3,899) | 3,750,798 3,750,798 | (203,887) (203,887) |
| | 26,407 26,407 | (11,229) (11,229) | 838,886 838,886 | (337,104) (337,104) |
| | 26,407 26,407 26,934 26,934 107,100 107,100 | (11,229) (11,229) (15,128) (15,128) 20,079 20,079 | 838,886 838,886 4,589,684 4,589,684 7,179,830 7,179,830 | (337,104) (337,104) (540,991) (540,991) 587,525 587,525 |
| | <u>2021</u> 2021 | US Dollar US Dollar 2020 2020 | 2021 2021 | Baht Baht 2020 |
| 28 28 28 28 | 0.013 8:813 0.012 | 0.006 8:886 0.006 | 0.418 0.418 0.394 0.394 | 0.188 8:188 0.188 |

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STATEMENT OF CHANGES IN EQUITY

Banpu Public Company Limited For the year ended 31 December 2021 Statement of Changes in Equity For the year ended 31 December 2021

| Banpu Public Company Limited | | | | | | | | | | | | | | | | Consolida | ated financia | al statements |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|-----------------------------|---------------|--------------|-----------------------|------------------------|-------------------|------------------|------------------------|--------------------------|----------------|---------------------------------|--------------------------------|---------------------------------------|--------------------------|-------------------------|---------------|
| Statement of Changes in Equity | | | | | | | | | | | | | | | | | U | JS Dollar'000 |
| For the year ended 31 December 2021 | | | | | | | | | | | | | | Attrib | utable to owne | ers of the Parent | | |
| | | | | | | | | | | | | | | | | onents of equity | | |
| | | | | | | | | | | | Other comp | rehensive inco | me (expense) | | Consol | idated financial staten | | |
| | | | | | | | | | | Fair value | | | A | Surplus outable to owners | | US Dolla | ar'000 | |
| | | Issued and | l | | | | | Retaine | d earnings | reserve of | Cash flow | Net | Auni | on dilution of Other compor | | Total other | Non- | |
| | | paid-up | Premium or | n Tre | easury Shar | e-based | Legal | Other | | financial | hedge prehensive inco | | Translation | investments in | Other | components of | controlling | Total |
| | Notes | s share capital | share capita | al s | tocks p | ayment | reserve | reserves Unap | propriated | assets | reserve | hedge | differences | subsidiaries | reserve | equity | interests | equity |
| | | ssued and | | | | | | Retained earnings | reserve | of Cash flow | Net | | on dilution of | | Total other | Non- | | |
| Opening balance as at 1 January 2021 | | | emium on ^{443,624} | 4 Treasurv | Share-based | ^{1,651} Lega | ^{95,54} Other | | 1,630,812 financ | al ⁴³ hedge | investment | Translation) | investments in | 333 - 217 c | (42,288) | | т <mark>6</mark> 39,462 | 2,815,027 |
| Increase in share capital | Notes ² §h | are capital ^{1,0} | | | payment | rēserve | | Unappropriated | asse | | hedge | differences | subsidiaries | reserve - | equity | 0 | equity - | 255,381 |
| Legal reserve | 26 | - | | - | - | - | 4,854 | - | (4,854) | - | - | - | - | - | - | - | - | - |
| ©ැම්මැත්තුපුණෝබ්/ගෙ≲e as at 1 January 2021 | 26 | 147,424 - | 443,624 | | - 1,651 | 95,543 | 107 , 317 | 13,842630,812 | (13,842) 43,70 | (58,610 |) (77,81 5) | (549,015) | 333,2 1 7 | (42,288) - | (350,806) | 739,462 -2,81 | 5,027 - | - |
| Resease if ostatareapitalsed compensation to employees | 26 | 51,076 - | 204,305 | | | 18,662 - | - | - | - | | | - | | | - | 255 | 5,381 - | 18,662 |
| Lagalstageshares of a subsidiary | 26 | | - | | | 4,854 | | - (4,854) | - | | - | | | (5 14) | 2,754- | -2,240 | (2,240) | - |
| Otherepres | 26 29 | | - | | | | 13,842 | _(13,842) | (55,853) | | - | - | | | ÷ | | | (55,853) |
| Reserved to be the second seco | | | - | | _ 18,662 | | | | - | | 2 | - | | | ÷ | 18 | 8,664,676) | (61,676) |
| Crashy share refeasing the start of subsidiaries | | | | | | | | | - | | | - | (5 <u>1</u> 4) | 2,75424 | 2,240 | (2,240) 424 | | 424 |
| Dividend paid Redemption of subsidiary's shares from | 29 | - | - | - | - | - | - | (55,853) | | | - | - | - | - | - | | 5,853) | |
| Dividend paid of subsidiaries | | | | | | | | | (26,392) | | - | 1 | | | 2 | (61,676) _ (61 | 1,676) (95,989) | (122,381) |
| Change in shareholding interests of subsidiaries Fair value of put options over non-controlling interests Redemption of subsidiary's shares from | | | - | | | | | | - | | - | - | 424 | | (7,028) | (7,028) | 424 _ | (7,028) |
| Redemption of subsidiary's shares from Issuance of subsidiary's shares to | | | | | | | | | | | | | | | , , , , , , , , , , , , , , , , , , , | | | |
| Issuance of subsidiary's shares to non-controlling interest non-controlling interest Fair value of put options over non-controlling interests | | | - | | | | | (26,392) | - | | - | - | - | | - | | 2,381) | 3 |
| Fair value of put options over non-controlling interests Profit for the year Issuance of subsidiary's shares to | | | - | | | | | | 303,931 | | - | - | - | (7,028) | (7,028) | - (1 | 7,028) 188,558 | 492,489 |
| Other comprehensive income (expense) for the year | | - | | - | - | - | - | - | (2,461) | (26,984) | (60,248) | 88,965 | (194,045) | - | - | (192,312) | (37,419) | (232,192) |
| 0 | | | | | | | | 303,931 | () - / | _ (-, ,_ | (| | | | | <u>_</u> | 2,489 | (|
| Profit for the year Sinsing halenen as an 30 hale spin back the year | | - 198,500 | 647,929 | - 9 | | 20,313 _ | 100,397 | 121,159 (2,461) | 1 831 341 (26.0) | 16672218 | - (118885583) | (194,049) | (743,060)_ | - 333,127 | (1492,5992) | (37,494),482)(232 | | 3,102,856 |
| Outer completions we the complete perset for the year | | | | | | | | (2,401) | (20.9) | (00,240 | (| (194)049) | (1.10,000) | 000, 22. | ((192,942)) | (37,499), 102/(232 | 2,192,000 | 01102,000 |
| Closiningabalances as 31 Delember 2020 | | 198.5049.961 | 647.92943.624 | 4 -(3) | 8,138)20,313 | 1,56020,397 | 95.976.159 | 149,089,831,341 | 1,745,263 16,72 | 1 (44.8.628) | (5018020 | (743,060) | (78835019)7 | (46126283 | (547,482) | 730,649794,0663,102 | 2.664.984 | 2,678,255 |
| Decrease of share capital | 26 | (2,537 | - , , | | 8,138 | - | - | (38,138) | 2,537 | - | - | - | - | | - | - | _,,_ | - |
| Operaingebelane ce as at 1 January 2020 | 26 | 149,961 - | , | (38,138) | - 1,562 | 95,976 | (4433,089 | 1,745,263 | 433 44,8 | (50,802 |) | (780,509) | 312,383 | | (474,066) | 604,984 -2,678 | 8,255 - | - |
| Dan Barres of segre capital | 26 26 | (2,537) | - | -38,138 | | | (38,138) | (3,634) 2,537 | 3,634 | | | - | | | | | | - |
| 4798/starses of a subsidiary | 26 | | - | | | _ (433) | | _ 433 | -, | | - | - | | 1,296 | - | 1,296 | (2,616) | (1,320) |
| Warrafifisstance of a subsidiary | ²⁶ 26 | | - | | | 89 - | (3,634) | _ 3,634 | - | | - | - | | | - | | - 20 | 109 |
| Treasury shares of a subsidiary Dividend paid | 29 | | - | | | | | | (63,758) | | 2 | : | 1,2 <u>9</u> 6 | | 1,296 | (2,616) (1 | 1,320) | (63,758) |
| Warrant issuance of a subsidiary Dividend paid of subsidiaries | 26 | | - | | _ 89 | | | | - | · .· | - | - | | | 2 | 20 | 109 (33,541) | (00 5 4 4) |
| Dividend paid Change in shareholding interests of subsidiaries | 29 | | - | | | - | - | (63,758) | (3) | - 3,597 - | 7 | - | (1,532) | 14,150 | - | 16,222 (63 | $(14^{3,758})$ | 2,093 |
| Dividend paid of subsidiaries Issuance of subsidiary's shares to Change in shareholding interests of subsidiaries | | - | - | - | - | - | - | - | | | - | - | - | | - | (00,041) (00 | 5,541) | 2,000 |
| Change in shareholding interests of subsidiaries | | - | - | - | - | - | - | (3) | - 3,5 |)7 7 - | - | (1,532) | 14,150 | | 16,222 | (14,126) | 2,093 95,883 | 95,883 |
| non-controlling interest Issuance of subsidiary's shares to Change in shareholding interests of a subsidiary Non-controlling interest | | | | | | | | | | | | | | | | 05.000 | | 00,000 |
| Changent sptiensargrinerest of a substant from | | - | - | - | - | - | - | - | | | - | - | - | - | - | 95,883 95 | 5,883 | |
| Change m shareholding interests 이 감정 방상 해외가 이 기 슈인 안전 비용하다 아이는 controlling interests from | | - | | - | - | - | - | - | - | - | - | - | - | 5.388 | (42,288) | (36,900) | 36,900 | _ |
| and put options over non-controlling interests from | | - | | _ | - | - | - | - | (55,739) | | | - | E 200 | | | 36,900 - | 39,009 | (16,730) |
| Rother componential the year | | | - | | | | | -(55,739) | (| - (4,754)- | (7,815) | (77,815) | 5,3 8 8 - 233,026 | (42,288) - | (36,900) | 39,0 09 2,642 (16 | | 154,036 |
| Other comprehensive income (expense) for the year | | | | | | | | (1,555) | | , | | 233,026 | 200,020 - | | - 142,642 | | 4,036 | 104,000 |
| Closing balance as at 31 December 2020 | | - 147,424 | 443,624 | - | - | 1,651 | 95,543 | | 1,630,812 | 43,705 | (58,610) | (77,815) | (549,015) | 333,217 | (42,288) | | 4,036 739,462 | 2,815,027 |
| Closing balance as at 31 December 2020 Closing balance as at 31 December 2020 | | 147,424 | 443,624 | + | - 1,651 | 95,543 | | 1,630,812 | 43,7 | - | | (77,815) | (549,015) 333,217 | (42,288) | (42,288) | (350,806) | | 2,010,027 |
| Crossing balance as at or December 2020 | | 171,724 | 170,024 | - | 1,001 | 55,545 | 101,011 | 1,000,012 | +3,7 | | , (11,013) | (0-0,010) | 000,217 | (72,200) | (000,000) | 100,702 2,010 | 0,021 | |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

| f Cash | Flows |
|--------|-------|
|--------|-------|

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STATEMENT OF CHANGES IN EQUITY

Banpy Public Company Limited December 2021

Statement of Changes in Equity For the year ended 31 December 2021

| Banpu Public Company Limited Statement of Changes in Equity | | | | | | | | | | | | | | Consolidated final | |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------------------|----------------------|-----------------------|-------------------------|--------------------------------|--------------------------|--------------------------|----------------------------|-----------------------------|-------------------------------|--------------------------------------------|-----------------------------------------|------------------------------------|-------------|
| For the year ended 31 December 2021 | | | | | | | | | | | | Attributabla | to owners of th | o parant | Baht'000 |
| | | | | | | | | | | | | | | | |
| | | | | | | | - | | Othor | omprohoncivo ir | ncome (expense) | | dnsolidated fihan | | |
| | | | | | | | - | Fair value | Other C | | × 1 7 | ble to ow Serslof sthe parent | | Baht'000 | |
| | Issued and | I. | | | | Retai | ned earnings | reserve of | Cash flow | Net | | Othemodification rends of equity | Тс | tal other Non- | |
| | paid-up | | Treasury Sha | are-based | Legal | Other | | | | me (expessed ent | Translation | | | onents of controlling | Total |
| Note | s share capital | | | payment | reserve | reserves Un | appFairralua | assets | reserve | hedae | Sufferences | | serve | equity interests | equity |
| | ssued and | | | | | tained earnings | reserve of | Cash flow | Net | 5 | n dilution of | Total other | Non- | | cquity |
| Opening balance as at 1 January 2021 | paid5up74,5%e | mium16n372,43Breasury | Share-based | 55,0 3_ega l 3 | 3,157,9 84her | 3,458,754 | 54, Ginanicial | 1,31 6e7dge | investroent471 |) Trahslation3200) | vestnoe7t20n1,096) | Othe93componer(ts, 35 | 0,97 &) ntrollin(d 9 | ,403,383) Tota2,211,298 | 84,555,251 |
| Increase in share capital Notes 26 | are capitæl91,sbær | e capitâļ766,109stocks | pa y ment | reserve | reserves | Unappropri a ted | assets | reserve | hedge - | differences - | subsidiaries - | reserve - equity | -interests | -equity - | 8,457,636 |
| Legal reserves 26 Opening balance as at 1 January 2021 | 5,074,581 15, | | 55,037 | 3,157,984 | 160,418 3,458,754 | 54,628,542 | (160,418) 1,312,742 | (1,760,471) | (2,337,323) - | (27,261,096) - | 11,993,743 (1 | ,350,978) (19,403,383) | 22,211,298 | 84,555,251 | - |
| Other reserves 26 | · · · · | ,766,109 | | | - | 448,084 | (448,084) | - | - | | | | | 8,457,636 | - |
| Legartese for share-based compensation to 26 | - | | - | 160,418 | - | (160,418) | - | - | - | - | - | | - | - | |
| Othemelsaylees 26 | | · | | 622,650 - | 448,084 | (448;084) | = | - | | | | | | | 622,650 |
| Resease in the states was was in the second states was a second state of the second states was a second state of the second states and s | - | | - | - | - | - | - | - | - | - | - | (16,657) 8 | 8,994 | 72,337 (72,337) | - |
| Devindence paid 29 | | | 622,650 | | | | (1,776,071) | - | | | | | | 622,650 - | (1,776,071) |
| Totainten algered of sublicitientlys | | | | | | | - | - | | | (16,657) - | 88,994 - 72,337 | - (72,337) | - (2,005,642) | (2,005,642) |
| Dividence mais hareholding interests of subsidiaries 29 | | | | | | (1,776 <u>.</u> 071) | = | 1 | | | | - 14,243 - | | 14,(247376,071) - | 14,243 |
| Dividend paid of subsidiaries shares from | - | | - | - | - | - | - | - | - | - | - | | (2,005,642) | (2,005,642) | |
| Change in shareholding interests of subsidiaries Non-controlling Interests Redemption of subsidiary's shares from | | | | | | | (880,926) | 1 | | | 14,243 _ | 14,243 | | - ^{14,243} (3,199,721) | (4,080,647) |
| Fair value of put options over non-controlling interests | | | _ | | | (880,926) | | _ | | | | | (3,199,721) | (4,080,647) | |
| non-controlling interests Fair value of put options over | - | | - | - | - | - (000,020) | - | - | - | - | - | - (23 | 7,013) | (237,013) - | (237,013) |
| Issuance of subsidiary's shares to | - | | - | - | - | - | - | - | - | - | - | (237,013) (237,013) | - | (237,013) | |
| Issuance entrulling interestics to | - | · - | - | - | - | - | - | - | - | - | - | - | - | - 96 | 96 |
| Profit-tonthaninganterest | | • | | | | | 9,851,795 | = | | | | | - 96 | - ₉₆ 6,120,788 | 15,972,583 |
| Rothetocompresentive income (expense) for the year | | · | | | | 9,851 , 795 | (117,970) | (753,938) | (2,211,749) |) 2,709,956 | 1,182,349 | | 6 ,120,788 | 92616,9972,5831,365,399 | 2,174,047 |
| Other comprehensive income (expense) for the year Closing balance as at 31 December 2021 | 6,766,108 | 22,138,547 | | 677,687 3 | - | (117,970) 3,906,838 | (753,938) 61,096,868 | (2,211,749) 558,804 | 2,709,956 (3,972,220) | 1,182,349) 372,633 | (26,078,747) | - 926,618 11,991,329 (1,49 | 1,365,399 8,997) (18 | 2,174,047 ,627,198) 24,419,881 | 103,697,133 |
| Closing balance as at 31 December 2021 | | ,138,547 - | 677,687 | 3,318,402 | 3,906,838 | 61,096,868 | 558,804 | (3,972,220) | 372,633 | (26,078,747) | | ,498,997) (18,627,198) | | 103,697,133 | |
| Opening balance as at 1 January 2020 | 5,161,925 | 5 15,372,438 (1, | 157,140) | | 3,171,520 | 4,725,119 | 58,277,895 | 1,352,764 | (1,531,843) |) _ | (34,248,763) | 11,341,274 | | ,086,568) 18,242,695 | 80,760,132 |
| Opening balance as at 1 January 2020 26 | ^{5,161,925} (87,344 | | 157,140,248 | 3,171, <u>5</u> 20 | 4,725,119 | (1,157,140) | ^{1,352,764} | (1,531,843) | | (34,248,763) _ | 11,341,274 | - (23,086,568) | 18,242,695 | 80,760,132 | - |
| Decrease of share capital 26 Legal reserves 26 | (87,344) | - 1,157,140 | | - | (1,157,140) (13,536) | 87,344 | 13,536 | : | | | | | | | - |
| Legal reserves 26 Other reserves 26 | - | | | (13,536) | - | 13,536 (109,225) 109,225 | 109,225 | - | | | | | | | - |
| Other reserves 26 Treasury shares of a subsidiary Treasury shares of a subsidiary | | | | - | (109,225) | 109,225 | - | - | | | | 39,669 30,660 | - (79,330) | 39,669 (79,330) (39,661) | (39,661) |
| Warrantissuance of sublicitiary 26 26 | | · _ · | 2,789 | 2,789 | | - | - | - | | - | 39,009 | - 39,669 | - 532 | - 3.321 532 | 3,321 |
| Dividend Ganaid 29 29 | | | | | | (2,029 , 534) | (2,029,534) | = | | | | | | (2,029,534) - | (2,029,534) |
| Dividend para di sublikitaties | | | | | | | = | - | | | | | (1,057,673) | (1,057,67\$),057,673) | (1,057,673) |
| Chaaggenishahahahuingingentersetsubsidasiesiaries | | | | | | - (80) | 112, €89) | 112, 549 | 218 | (47,916) - | 440,6(497,916) | 440,649 505,500 | (, , , , | 505,50062,891 (442,529) | 62,891 |
| lssaanceofosususisticsystemates to | | | | | | | | | | | | | | | |
| ngoreedfellinghjotantetest | | | | | | | = | : | | | | | 2,935,424 | 2,935,4242,935,424 | 2,935,424 |
| Change in charabending ingerfiels of a subsidiary and put options over non-controlling interests from and put options over non-controlling interests from | | | | | | | | | | | | (4.470.007) | 4 470 007 | | |
| corporatisation corporatisation | | | | - | | | - | - | | | 172,151 (1 | ,350,978) 172,151 (1,178,827) (1,35 | 0,978) (1 | ,178,827) 1,178,827 | - |
| corporatisation corporatisation Profit (Loss) for the year Profit (Loss) for the year Other comprehensive income (expense) for the year | | | | | | (1,786,317) (43,527) | (1,786,317) (152,571) | (228,846) | (2,337,323) | 7,035,583 | | | 1,217,137 216,215 | (569,180) 4,489,531 | (569,180) |
| Other comprehensive income (expense) for the year | | | | - | - | (43,327) | (43,527) | (152,571) | (2,337,323) (228,846) |) (2,337,323) | 7,035,583 | - 4,316,843 | - 4 | ,316,843 216,215 | 4,489,531 |
| Closing balance as at 31 December 2020 Closing balance as at 31 December 2020 | 5,074,581 15, 5,074,581 | ,372,438 - 15,372,438 | 55,037 | 3,157,984 55,037 3 | 3,458,754 3,157,984 | 54,628,542 3,458,754 | 1,312,742 54,628,542 | (1,760,471) 1,312,742 | (2,337,323) (1,760,471) | (27,261,096) (2,337,323) | 11,993,743 (1 (27,261,096) | ,350,978) (19,403,383) 11,993,743 (1,35 | | 84,555,251 ,403,383) 22,211,298 | 84,555,251 |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.



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STATEMENT OF CHANGES IN EQUITY

For the year ended 31 December 2021

| | | | | | | | | | | Separate financ | ial statements |
|------------------------------------------|-------|---------------|---------------|----------|---------|----------|-------------------|-----------------------|-----------------|------------------|----------------|
| | | | | | | | | | | | US Dollar'000 |
| | | | | | | | | | - | onents of equity | |
| | | | | | | | | | r comprehensive | | |
| | | | | | | | | i | ncome (expense) | | |
| | | Issued and | | - | | | Retained earnings | | | Total other | |
| | | paid-up | Premium on | Treasury | Legal | Other | | Fair value reserve of | Cash flow | components of | Total |
| | Notes | share capital | share capital | stocks | reserve | reserve | Unappropriated | financial assets | hedge reserve | equity | equity |
| Opening balance as at 1 January 2021 | | 147,424 | 443,624 | - | 14,996 | - | 474,992 | 197 | (12,898) | (12,701) | 1,068,335 |
| Increase of share capital | 26 | 51,076 | 204,305 | - | - | - | - | - | - | - | 255,381 |
| Legal reserve | 26 | - | - | - | 4,854 | - | (4,854) | - | - | - | - |
| Dividend paid | 29 | - | - | - | - | - | (55,853) | - | - | - | (55,853) |
| Profit for the year | | - | - | - | - | - | 80,166 | - | - | - | 80,166 |
| Other comprehensive income for the year | | - | - | - | - | - | 219 | 308 | 26,407 | 26,715 | 26,934 |
| Closing balance as at 31 December 2021 | | 198,500 | 647,929 | - | 19,850 | - | 494,670 | 505 | 13,509 | 14,014 | 1,374,963 |
| | | | | | | | | | | | |
| Opening balance as at 1 January 2020 | | 149,961 | 443,624 | (38,138) | 14,996 | 38,138 | 503,016 | 2,086 | (1,669) | 417 | 1,112,014 |
| Decrease of share capital | 26 | (2,537) | - | 38,138 | - | (38,138) | 2,537 | - | - | - | - |
| Dividend paid | 29 | - | - | - | - | - | (63,758) | - | - | - | (63,758) |
| Profit for the year | | - | - | - | - | - | 35,207 | - | - | - | 35,207 |
| Other comprehensive expense for the year | | | | - | - | - | (2,010) | (1,889) | (11,229) | (13,118) | (15,128) |
| Closing balance as at 31 December 2020 | | 147,424 | 443,624 | | 14,996 | - | 474,992 | 197 | (12,898) | (12,701) | 1,068,335 |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.



STATEMENT OF CHANGES IN EQUITY

For the year ended 31 December 2021

| | | | | | | | | | | | Separate financia | al statements |
|------------------------------------------|-------|---------------|---------------|-------------|---------|-------------|------------------|-----------------------|---------------|--------------|-------------------|---------------|
| | | | | | | | | | | | | Bahť000 |
| | | | | | | | | | | Other comp | onents of equity | |
| | | | | | | | | Other compre | hensive incor | ne (expense) | | |
| | | Issued and | | - | | R | etained earnings | | Cash flow | | Total other | |
| | | paid-up | Premium on | Treasury | Legal | Other | | Fair value reserve of | hedge | Translation | components of | Total |
| | Notes | share capital | share capital | stocks | reserve | reserve | Unappropriated | financial assets | reserve | differences | equity | equity |
| | | | | | | | | | | | | |
| Opening balance as at 1 January 2021 | | 5,074,581 | 15,372,438 | - | 516,193 | - | 15,053,312 | 5,941 | (387,433) | (3,545,326) | (3,926,818) | 32,089,706 |
| Increase of share capital | 26 | 1,691,527 | 6,766,109 | - | - | - | - | - | - | - | - | 8,457,636 |
| Legal reserve | 26 | - | - | - | 160,418 | - | (160,418) | - | - | - | - | - |
| Dividend paid | 29 | - | - | - | - | - | (1,776,071) | - | - | - | - | (1,776,071) |
| Profit for the year | | - | - | - | - | - | 2,590,146 | - | - | - | - | 2,590,146 |
| Other comprehensive income for the year | | - | - | - | - | - | - | 10,964 | 838,886 | 3,739,834 | 4,589,684 | 4,589,684 |
| | | | | | | | | | | | | |
| Closing balance as at 31 December 2021 | | 6,766,108 | 22,138,547 | - | 676,611 | - | 15,706,969 | 16,905 | 451,453 | 194,508 | 662,866 | 45,951,101 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Opening balance as at 1 January 2020 | | 5,161,925 | 15,372,438 | (1,157,140) | 516,193 | 1,157,140 | 15,927,341 | 62,917 | (50,329) | (3,458,770) | (3,446,182) | 33,531,715 |
| Decrease of share capital | 26 | (87,344) | - | 1,157,140 | - | (1,157,140) | 87,344 | - | - | - | - | - |
| Dividend paid | 29 | - | - | - | - | - | (2,029,534) | - | - | - | - | (2,029,534) |
| Profit for the year | | - | - | - | - | - | 1,128,516 | - | - | - | - | 1,128,516 |
| Other comprehensive expense for the year | | - | - | - | - | - | (60,355) | (56,976) | (337,104) | (86,556) | (480,636) | (540,991) |
| | | | | | | | | | | | | |
| Closing balance as at 31 December 2020 | | 5,074,581 | 15,372,438 | - | 516,193 | | 15,053,312 | 5,941 | (387,433) | (3,545,326) | (3,926,818) | 32,089,706 |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.





STATEMENT OF CASH FLOWS

Banpu Baubic Population and Statements and Statemen

For the Fyreah enyeled and Decamber 2021

| | | | | | Co | Consoliciated litratediath statistinetate ments | | | | |
|-------------------------------------------------------------------|-------|-------|--------------------|---------|-------------------|-------------------------------------------------|--------------------------------------|----------------------|--------|--|
| | | - | | US D | | | | Baht'00000ah | | |
| | Notes | Notes | 2021 | 2021 | 2020 | 2020 | 2021 2021 | 2020 | 2020 | |
| Cash flows from operating activities | | | | | | | | | | |
| Profit (loss) for the year before income taxes | | 6 | 690,52 6 9 | 90,522 | (8,051) | 8,05212,3 | 344 24268 44,460 | (299,71(2)9) | 9,714) | |
| Adjustment to reconcile profit (loss) before taxes to | | | | | | | | | | |
| cash receipts from (payments in) operations | | | | | | | | | | |
| Depreciation and amortisation | | 4 | 197,07 9 9 | 97,079 | 432,76473 | 2,76175,8 | 895,1 548 95,1463 | ,542 ,13385 4 | 2,881 | |
| Write-off of property, plant and equipment | 15 | 15 | 2,364 | 2,364 | 2,857 | 2,857 | 75,60875,608 | 89,4008 | 9,400 | |
| - Write-off of right-of-use assets | | | 4,714 | 4,714 | 2,326 | 2,326 | 150,72 6 50,726 | 72,7647 | 2,764 | |
| - Write-off of deferred exploration and development expenditures | | | - | - | 4,492 | 4,492 | | 140,57 1 4 | 0,571 | |
| - Expected credit loss | | | 8,974 | 8,974 | 2,951 | 2,951 | 286,96 2 86,962 | 92,3479 | 2,347 | |
| - Allowance for slow-moving of spare parts and | | | | | | | | | | |
| machinery supplies and coal | | | 4,336 | 4,336 | 996 | 996 | 138,65 3 38,653 | 31,1693 | 1,169 | |
| - Allowance for net realisable value of fuel | | | 1,466 | 1,466 | - | - | 46,88246,882 | - | - | |
| - Dividend income from equity instruments | | | (8,541) | (8,541) | (1,794) | 1,794)(2 | 273,8 (2) 3,817) | (55,7225 | 5,722) | |
| - Interest income | | | (8,742) | (8,742) | (9,539) | 9,539)(2 | 277,8 827 7,888) | (298,61/29 | 8,614 | |
| - Interest expenses | | 1 | 74,1167 | 74,116 | 173,1537 | 3,1535, | 575, 548 75,5485 | ,419,757,41 | 9,771 | |
| - Other finance costs | | | 9,557 | 9,557 | 6,375 | 6,375 3 | 307,04 8 07,046 | 199,4489 | 9,448 | |
| - Share of profit from associates and joint ventures using | | | | | | | | | | |
| the equity method | 14 | 14 (2 | 227,1322 | 27,137) | (135,3353 | 5,3357,2 | 290,(178 2 90,18 8) | ,238, 6442 3 | 8,649 | |
| - Gain from business combination | | | | (71) | | - | (2,270)(2,270) | | - | |
| - Net gains on disposal of property, plant and equipment | | | | (3,939) | | 2.856)(| 125,95825,958) | | 9.375 | |
| - Net gains on acquisition of additional interest | | | - | | (11,471) | | | (358,9 78 5 | | |
| - Investment restructuring expense | | | - | - | 30,8423 | | | 985,30 9 8 | | |
| - Share based payment expenses | | | 18,662 | 18 662 | | | 622,65 6 22,650 | 3,321 | | |
| Net (gains) losses from changes in fair value | | | 10,002 | 10,002 | 100 | 100 | 22,00022,000 | 0,021 | 0,021 | |
| of financial instruments | | | 111 505 | 1/ 505 | (22 6819 | 2 6811/1 | 645,1648 8 45,688 | (710 8 6331 | 0.863 | |
| - Net (gains) losses on exchange rate | | | 544,3 8 24 | | | | 688,1 40,6 88,403) | | | |
| - Net (gains) losses on exchange late | | (. | 044,3Q29 | #4,302) | 0,323 | 5,5¥W, | 00@ ;~~,0 000,403) | 7,550 | 1,550 | |
| ash flow before changes in working capital | | 1,0 |)63,57, 0 6 | 63,573 | 473,66 4 7 | 3,66343,4 | 430 33344 30,84114 | ,532,1642,533 | 2,627 | |
| Changes in working capital (excluding effects from | | | | | | | | | | |
| business combination) | | | | | | | | | | |
| - Trade accounts receivable | | (1 | 37,367; | 87,367) | 3,737 | 3,73(74,3 | 392,(5498) 92,598) | 116,9451 | 6,945 | |
| Amounts due from related parties | | | 4 | 4 | (14) | (14) | 80 80 | (438) | (438 | |
| - Inventories | | | (8,402) | (8,402) | 37,4113 | 7,411 (2 | 268,6 72 68,672) | ,170,71297 | 0,729 | |
| Spare parts and machinery supplies | | | (13,369) | 13,369) | 4,566 | 4,566 (4 | 427,5 042 7,502) | 142,8874 | 2,887 | |
| - Other current assets | | | 24,6552 | 24,655 | (65,7126) | 5,712) | 788,39 5 88,39 5 2 | ,056,(327,025 | 6,372 | |
| - Deferred overburden expenditures stripping costs | | | 44,2694 | 14,269 | 49,2704 | 9,2701,4 | 415, 594 15,5941 | ,541, 84 54 | 1,841 | |
| - Other non-current assets | | | (96,514 | 96,514) | 15,3731 | 5,37\$3,0 | 086, (23;88 \$6,238) | 481,07 8 8 | 1,078 | |
| - Trade accounts payable | | | (9,905) | (9,905) | 3,715 | 3,715 (3 | 316,7 331 6,733) | 116,2561 | 6,256 | |
| - Accrued royalty expenses | | | (19,277) | 19,277) | 12,8921 | 2,892 (6 | 616,4 261 6,423) | 403,43 8 0 | 3,438 | |
| - Accrued overburden and coal transportation costs | | | 17,026 | 17,026 | (13,837) | 3,837) : | 544,442244,442 | (433,0143 | 3,011 | |
| - Employee benefits obligation | | | (6,725) | (6,725) | (13,259) | 3,259)(2 | 215,0 48) 5,046) | (414,923) | 4,923 | |
| - Other current liabilities | | 2 | | | | | 107, 5 5007,5502 | | | |
| - Other non-current liabilities | | | (46,0314 | 46,031) | 20,8112 | D,81 ≬ 1,4 | 471, (913@7 1,938) | 651,25 6 5 | 1,253 | |
| | | | | | | | | | | |
| ash generated from operating activities | | | | | | | 49137254591,75154 | | | |
| Interest paid and financial charges paid | | | | | | | 726,226,726,26,73 | | | |
| - Income tax paid | | | | | | | 685,(3246)\$5,34(12) | | | |
| - Income tax refund | | | 38,2433 | 38,243 | 11,4081 | 1,4081,2 | 222,900222,900 | 356,99 9 5 | 6,999 | |
| et cash receipts from operating activities | | 8 | 309,39 9 0 | 9,399 | 210,73241 | 0,73245,3 | 3032543703,0476 | ,304, 5578 0 | 4,576 | |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

| Banpu Pablic Company winnited Limited |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Statementationship for the state of the stat |
| For the yrear tender of the search and the search a |

| Cash flows from investing activities |
|---------------------------------------------------------------------------------------------------------------|
| Cash payments for financial assets measured at fair value |
| through profit or loss |
| Cash receipts from financial assets measured at fair value through profit or loss |
| Cash receipts from financial assets measured at amortised cost |
| Cash receipts from financial assets measured at fair value |
| through other comprehensive income |
| Cash payments for financial assets measured at fair value |
| through other comprehensive income |
| Cash receipts from short-term loan to a related party Cash payments for short-term loan to related parties |
| Cash receipts from long-term loan to related parties |
| Cash payments for short-term loan from a related party |
| Net each payments for business combination |
| Net eash payments for acquisition of investment in a subsidiary |
| Cash payments for addition and purchase of investments |
| in associates and joint ventures |
| Cash payments for investment restructuring |
| Cash receipts from disposal of property, plant and equipment |
| Cash payments for purchase of property, plant and equipment |
| Cash payments for right-of-use assets |
| Cash payments for deferred exploration and |
| development expenditures |
| Interest received |
| Cash receipts from dividends from joint ventures |
| Cash receipts from dividends from equity instruments Cash receipts from (payments for) placement of |
| restricted deposits at banks |
| |
| Net cash payments in investing activities |
| Cash flows from financing activities |
| Cash receipts from short-term loans from financial institutions |
| Cash payments of short-term loans from financial institutions |
| Cash receipts from long-term loans from financial institutions |
| Cash payments of long-term loans from financial institutions |
| Cash receipts from debentures |
| Cash payments of debentures Cash receipts from increase of share capital |
| Cash payments for redemption of subsidiary's shares |
| from non-controlling interest |
| Cash payments for treasury stocks |
| Payments for principal elements of lease payment |
| Dividend paid to shareholders |
| Dividend paid to non-controlling interests of subsidiaries |
| Net eash receipts from financing activities |
| Net increase in cash and cash equivalents |
| Exchange differences on cash and cash equivalents |
| Cash and eash equivalents at beginning of the year |
| Cash and eash equivalents at end of the year |
| |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

STATEMENT OF CASH FLOWS

For the year ended 31 December 2021

| | | Consolidatee filinameial fistaterime resources | | | | | | | ements | |
|----------|-------|------------------------------------------------|-----------|-------------------|----------------------------------|---------------------------------|-------------------------------------|-------------------------|---------|--|
| | | | U§ De | 11 a#900 0 | llar'000 | | Ba | Baht'0000Baht'000 | | |
| Notes | Notes | 2021 | 2021 | 2020 | 2020 | 2021 | 2021 | 2020 | 2020 | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | (6 | 6,056) | (66,056) | 35,363) | (35,3 <u>(6</u> 33) ₁ | 2,213)1 | 12,2(7)9) | 06,6 \$9)1 | 06,639) | |
| | | | | | | | | | | |
| | 5 | 4,617 | | | 27,96 9,72 | 16,49 3 7 | | | | |
| | | - | -1 | 02,3341 | 02,334 | - | 3;2 | 02,409,2 | 02,409 | |
| | | | 0.005 | | 10.004 - | | 75 000- | r | 00.000 | |
| | | 2,365 | 2,365 | 18,924 | 18,924 7 | 75,626 | 15,6265 | 92,2025 | 92,202 | |
| | | 7 000) | (7.080) | 11 407) | (11 / 87ኤ | nc nodo | 26 20 <u>8</u> % | FO 171(Q | 50 /71) | |
| 00 | | | | | 11,48 7) 22 € 7,101 | | | | | |
| 30 | | | | | (48,41 () | | | | | |
| 30 | 00 (1 | 0,951) | - | 40,411) 15 | 15 | | | 472 | 472 | |
| | (| - 5 014) | (5,014) | | | - 10 3341 | 60,335) | +12 | - | |
| | | | (84,029) | | (2-68 | 37 0.62.16 | 87,004) | - | - | |
| 14 | | | 394,594) | | (12 - 61 | 7.012,6 | 17,972) | _ | - | |
| | (00 | .,00, | | | (12,01 | .,) | | | | |
| 14 | 14 (9 | 7,237) | (97,237) | 85,829) | (85,8(239))(| 9,360,1 | 09,3600 | 85,8\$7,6 | 85,897) | |
| | (- | | | | (8,243) | | | 57,9549 | | |
| | 3 | 1,976 | | | 15,81,902 | | | | | |
| | (28 | 1,288) | 281,2886 | 29,084) | 629,0 84 90 | 94,716519 | 94,77756 | 86, \$66 6 | 86,366) | |
| | | - | - | (3,770) | (3,770) | - | (1 | 17,977() ¹ | 17,977) | |
| | | | | | | | | | | |
| | (16 | 5,453) | 165,453) | 83,395)1 | 83,3(955)20 | 90,7 67 ,2 | 90,7 (\$7 <mark>,7</mark> ; | 39,1058)7 | 39,108) | |
| | | 7,851 | 7,851 | 8,806 | 8,80625 | 51,0522 | 51,052 <u>2</u> | 75,5722 | 75,572 | |
| | 5 | 4,493 | | 60,000 | 60,00 <mark>0</mark> 74 | | | | | |
| | | 8,541 | 8,541 | 1,794 | 1,794 ₂₇ | ⁷ 3,116 ² | 73,116 | 56,141 | 56,141 | |
| | | | | | | | | | | |
| | (10 | 7,461() | 107,461) | 69,247 | 69,2(437,43 | 36,2 91 ,7 | 36,292]] | 6 <u>6,99</u> 51 | 66,995 | |
| | (1,05 | 7,7 5 6) | 057,7566 | 93,573¢ | 63,533,2 | 3, 9334 ,8 | 23,(928)4,7 | 04, 4279 7 | 04,479) | |
| | | | | | | | | | | |
| 00 | 28 70 | C 0111 | 766 011/0 | 00 1763 | 389,15766,50 | 0.75635 | 00.74834 | τ∩ <i>Μ</i> +9τ/Ι | 72 457 | |
| 22 22 | | | | |)32,(46 ,276 | | | | | |
| 22 | | | | |)23,507,55 | | | | | |
| 24 | | | | | 301,(<u>34</u> 1,60 | | | | | |
| 25 | | | 679,669 | | 21 , 73 | | | - | | |
| 25 | | | | | 70,0(246,)15 | | | | | |
| 26 | | | 255,381 | - | | 57,6364 | | - | - | |
| | | | | | | | | | | |
| | (12 | 2,381() | 122,381) | - | (4;08 | 80,6447,0 | 80,647) | - | - | |
| | (| 2,754) | (2,754) | (1,320) | (1,320)(8 | 88,994) | 88,994) | 39,661)(| 39,661) | |
| | (3 | 5,116) | (35,116) | 39,116) | (39,1(146,1)2 | 2,9(6) | 22,9(1)6 <u>2</u> : | 24,084,2 | 24,084) | |
| 29 | 29 (5 | 5,853) | (55,853) | 63,758) | (63,7(5 8) 7 | ′6,0¢1,7 | 76,0721,02 | 29,5\$4,0 | 29,534) | |
| | (6 | 1,676) | (61,676) | 33,541) | (33,5 (2 1,0(| 5,6420 | 05,6(412,0) | 5 <u>7,6†B</u> P | 57,673) | |
| | 72 | 3,778 | 723,7787 | 71,5697 | 71,528924 | 3,923,2 | 43,921411 | 04,52449,1 | 04,519 | |
| | | | | · · | · · · | - | · · · | | | |
| | | | | | 288,7/340,72 | | | | | |
| | | | | | 8,5 <u>4</u> 8,91 | | | | | |
| | 73 | 0,456 | /30,4564 | 3 <u>3,183</u> 4 | 133,1281392 | 0,7859 | 40,785,0 | 6 <u>2,193</u> 0 | 62,193 | |
| | 1 1 0 | 1 361 | 184,3617 | 30 4567 | 30,455658 | 1 2394,5 | 81,2349 | 40 7235,9 | 40,785 | |

STATEMENT OF CASH FLOWS

Banpu Public Company Limited

Statements for Carbon Statement and Compared Statement and a 31 December 2021

For Hose these weaded ded Dec Dector 12022021

| For the year year and the last comparent 2012 2021 | | Consolidated financial statements | | | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------------------------|------------------|--------------------------------|------------------------|--|
| | | US | Dollar'00 | idæleida ferda fi cia h | sitatientsents | |
| | Notes | ²⁰²¹ US | DGIB2000 | 2021 | Bah Band 000 | |
| Supplementary information of cash flows | Notes | 2021 | 2020 | 2021 | 2020 | |
| Supplementary information of cash flows Significant non-cash transactions are as follows: | | | | | | |
| Significant non-cash transactions are as follows: Other payables from purchase of property, plant and equipment | | 37,793 | 28,990 | 1,263,045 | 907,201 | |
| Ghanges in fair value of contingent ligbilitys from asset acquisition | 6 | 194,977,793 | (7,140) | 6,234,6831,045 | (223,2287,)201 | |
| Optinges verano and to llog interactie findes entry surger activities | ⁶ 6 | 46,562,973 | 42,288,140) | 1,556,094,681 | 1,323,348 (223,281) | |
| Applicitions and controlling nates is the fight of the statistic activities Activitities | 6 16 | 46,562 27,946 | 42,288 39,894 | 1,556,094 893,640 | 1,323,348 1,248,405 | |
| under lease contracts | 16 | 27,946 | 39,894 | 893,640 | 1,248,405 | |

Eash flows from operating activities

Brofit for the year before income taxes Adjustment to reconcile profit before income taxes to

- eash receipts from (payments in) operations
- Bebreciation and amortisation
- = Write-off of property; plant and equipment
- Bividend income from subsidiaries
- = Dividend income from equity instruments
- = Interest income
- = Interest expenses
- : Other finance costs
- = Effect from group restructuring
- : Gains on investment sold under common control
- Gains on disposal of property; plant and equipment
- Share-based bayment expenses
- Net (gains) losses from changes in fair value of financial instruments
- = Net (gains) losses on exchange rate

Cash flow before changes in working capital

- Changes in working capital
- Frade accounts receivable
- = Amounts due from related parties
- Advances to related parties
- : Inventories
- : Other current assets
- : Other non-current assets
- Trade accounts payable to subsidiaries
- = Advances from and amounts due to related parties
- = Employee benefits obligation
- : Other current liabilities
- Other non-current liabilities

Cash used in operating activities

- Interest paid and other finance costs paid

Net cash payments in operating activities

STATEMENT OF CASH FLOWS

For the year ended 31 December 2021

| | | cial statements | | |
|-------|--------------------|-----------------|-------------|-----------------------|
| | | US Bellar'000 | | Baht [;] 000 |
| Notes | 2021 | 2020 | 2021 | 2020 |
| | | | | |
| | | | | |
| | 141;696 | 24;989 | 4;520;487 | 815;628 |
| | | | | |
| | | | | |
| | 2;332 | 2;454 | 74;566 | 76,796 |
| 15 | = | 3 | 3 | 84 |
| | (89;311) | (62;305) | (2;915;768) | (1;976;278) |
| | (169) | (271) | (5;011) | (8;662) |
| | (116;644) | (100;351) | (3;745;994) | (3,139,276) |
| | 138;773 | 135;852 | 4;439;088 | 4;252;181 |
| | 4;055 | 3;581 | 129;523 | 112;105 |
| 14 | (21;544) | (41;965) | (675;509) | (1;312;902) |
| | Ξ | (1;857) | Ξ | (33;074) |
| | (131) | (298) | (4;204) | (9;327) |
| | = | 26 | = | 898 |
| 8 | (6;988) | 22 8 | (223;462) | 7;137 |
| | (94;767) | 20;165 | (3;084;037) | 603;273 |
| | (42,689) | (18,949) | (1,490,318) | (611,507) |
| | | | | |
| | 8;363 | (2;949) | 267;431 | (92;293) |
| | (3;975) | 2;829 | (127;109) | 63;492 |
| | (228) | (997) | (7;279) | (31;200) |
| | 375 | (1;270) | 11;995 | (39;744) |
| | (6;041) | (8;591) | (193;169) | (268;859) |
| | 142 | (1,142) | 4;545 | (35;749) |
| | (3;632) | 3;575 | (116;146) | 111;861 |
| | (22 1) | (185) | (7;881) | (5;796) |
| | (1;373) | 814 | (43;913) | 25;474 |
| | 5;583 | (531) | 178;544 | (16;699) |
| | (60) | 69 | (1;926) | 1;866 |
| | (43,756) | (28,136) | (1,524,426) | (899,064) |
| | (128;797) | (138;379) | (4;118;557) | (4;330;382) |
| | (172,553) | (166,515) | (5,642,983) | (5,229,446) |

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STATEMENT OF CASH FLOWS

For the year ended 31 December 2021

| | | Separate financial statements | | | |
|------------------------------------------------------------------|---------|-------------------------------|-----------------|------------------|--------------------------|
| | | | US Bellar'000 | | Baht ³ 000 |
| | Netes | 2021 | 2020 | 202 1 | 2020 |
| Eash flows from investing activities | | | | | |
| Eash receipt from advance to a related party | | : | 77;000 | : | 2;409;615 |
| Eash receipt from short-term loan to a related party | 30 | 18;800 | = | 601;169 | = |
| Eash payments for short-term loan to related parties | 30 | (75;493) | (10;000) | (2;414;033) | (312,937) |
| Eash receipts from long-term loans to related parties | 30 | = | 223;834 | = | 7;004;602 |
| Eash payments for long-term loans to related parties | 30 | (680;001) | (386;596) | (21,744,449) | (12;098;022) |
| Eash payments for additional investments in subsidiaries | 14 | (8;133) | (500;628) | (260;067) | (15;666;515) |
| Eash payments for financial assets measured at fair value | | | | | |
| through other comprehensive income | | (780) | = | (24;950) | : |
| Eash payments for purchase of property, plant and equipment | | (58) | (1;563) | (1;843) | (48;907) |
| Eash receipts from disposal of property; plant and equipment | | 134 | 300 | 4;304 | 9;37 4 |
| Interest received | | 22;257 | 39;130 | 711;701 | 1;224;509 |
| Eash receipts from dividends from subsidiaries | | 88;971 | 62;451 | 2;845;025 | 1;954;332 |
| Eash receipts from dividends from equity instruments | | 169 | 2 71 | 5;011 | 8;662 |
| let cash payments in investing activities | | (634;143) | (495;801) | (20;278;132) | (15;515;287) |
| ash flows from financing activities | | | | | |
| Eash receipts from short-term loans from financial institutions | 22 | 1;246;082 | 1,169,581 | 39;846;088 | 36;600;530 |
| Eash payments for short-term loans from financial institutions | 22 | (1;165;231) | (812;953) | (37;280;707) | (25;440;306) |
| Eash receipts from short-term loan from a related party | 30 | : | 3;000 | : | 93;881 |
| Eash payments for short-term loan from a related party | 30 | : | (10;684) | : | (334;331) |
| Eash receipts from long-term loans from financial institutions | 24 | 317;000 | 956;902 | 10;136;741 | 29;944;993 |
| Eash payments for long-term loans from financial institutions | 24 | (430;000) | (224;000) | (13;750;153) | (7;009;789) |
| Eash receipts from long-term loan from a related party | | 6;000 | | 191;863 | |
| Eash payments for long-term loan from a related party | | (6;000) | | (191;863) | |
| Payments for principal elements of lease payment | | (1;092) | (1;115) | (34;907) | (34;904) |
| Eash receipts from debentures | 25 | 679;669 | Ξ | 21;733;830 | Ξ. |
| Eash payments for debentures | 25 | (129;939) | (170;076) | (4;155;083) | (5;3 22 ;314) |
| Eash receipts from increase of share capital | 26 | 255;381 | : | 8;457;636 | : |
| Bividend paid to shareholders | 29 | (55;853) | (63;758) | (1;776;071) | (2;020;534) |
| et cash receipts from financing activities | | 716;017 | 846;897 | 23;197;374 | 26;468;226 |
| et increase (decrease) in cash and cash equivalents | | (90;679) | 184;581 | (2;723;741) | 5;723;493 |
| xehange differences on cash and cash equivalents | | (11;383) | 2;059 | 43;925 | (120;831) |
| ash and eash equivalents at beginning of the year | | 216;119 | 29;479 | 6;491;574 | 888;912 |
| ash and eash equivalents at end of the year | | 114;057 | 216;119 | 3;811;758 | 6;491;574 |
| upplementary information of cash flows | - | | | | |
| ignificant non-eash transactions are as follows: | | | | | |
|) Ther payables for purchase of property, plant and equipment | | 89 | 25 | 2;689 | 785 |
| late receivables from group restructuring | 14:1 B) | 151 | : | 4;727 | : |

The notes to the consolidated and separate financial statements are an integral part of these financial statements.

NOTES TO THE CONSOLIDATED AND SEPARATE FINANCIAL STATEMENTS

1. General information

Banpu Public Company Limited (the Company) is a public limited company which is listed on the Stock Exchange of Thailand. The Company is incorporated and domiciled in Thailand. The address of the Company's registered office is 1550 Thanapoom Tower, 27th Floor, New Petchburi Road, Makkasan, Ratchathewi, Bangkok.

For reporting purposes, the Company and its subsidiaries are referred to as "the Group".

The Group is engaged in the coal mining and power businesses. The Group has operations in Thailand and overseas which are mainly in Indonesia, the People's Republic of China, Australia, Mongolia, Vietnam, Japan, and the United States.

These consolidated and separate financial statements were authorised by the Board of Directors on 23 February 2022.

2. Basis of preparation

The consolidated and separate financial statements have been prepared in accordance with Thai Financial Reporting Standards (TFRS) and the financial reporting requirements issued under the Securities and Exchange Act.

The Company's management has determined that the US Dollar is the Company's functional currency and has presented the consolidated and separate financial statements in US Dollar, in accordance with Thai Accounting Standard 21 (TAS 21), the Effects of Changes in Foreign Exchange Rates. The Company is required to present its consolidated and separate financial statements in Baht by converting the US Dollar to Baht, using the basis as described in Note 4.3 (c) to comply with the regulations of the Stock Exchange of Thailand and the Department of Business Development.

The consolidated and separate financial statements have been prepared under the historical cost convention except for certain accounts as disclosed in the following accounting policies.

The preparation of financial statements in conformity with TFRS requires management to use certain critical accounting estimates and to exercise its judgement in applying the Group's accounting policies. The areas involving a higher degree of judgement or complexity, or areas that are more likely to be materially adjusted due to changes in estimates and assumptions are disclosed in Note 7.

For the year ended 31 December 2021

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An English version of the consolidated and separate financial statements have been prepared from the statutory financial statements that are in the Thai language. In the event of a conflict or a difference in interpretation between the two languages, the Thai language statutory financial statements shall prevail.

The Group has reclassified comparative figures of note receivables amounting to US Dollar 0.35 million from trade receivables and note receivables, net to investment in debt instruments measured at fair value through other comprehensive income to conform with the current period presentation of the Group.

Amended financial reporting standards 3.

3.1 Amended financial reporting standards that are effective for accounting period beginning or after 1 January 2021

Revised Conceptual Framework for Financial Reporting added the following key principals and guidance:

- Measurement basis, including factors in considering difference measurement basis
- Presentation and disclosure, including classification of income and expenses in other comprehensive income
- Definition of a reporting entity, which maybe a legal entity, or a portion of an entity -
- Derecognition of assets and liabilities

The amendment also includes the revision to the definition of an asset and liability in the financial statements, and clarification to the prominence of stewardship in the objective of financial reporting.

Amendment to TFRS 3, Business combinations amended the definition of a business which requires an acquisition to include an input and a substantive process that together significantly contribute to the ability to create outputs. The definition of the term 'outputs' is amended to focus on goods and services provided to customers and to exclude returns in the form of lower costs and other economic benefits. In addition, the standard sets out an optional test (the concentration test) to permit a simplified assessment of whether an acquired set of activities and assets is not a business.

Amendment to TFRS 9, Financial instruments and TFRS 7, Financial instruments: disclosures amended to provide relief from applying specific hedge accounting requirements to the uncertainty arising from interest rate benchmark reform such as IBOR. The amendment also requires disclosure of hedging relationships directly affected by the uncertainty.

Amendment to TAS 1, Presentation of financial statements and TAS 8, Accounting policies, changes in accounting estimates and errors amended to definition of materiality. The amendment allows for a consistent definition of materiality throughout the TFRS and the Conceptual Framework for Financial Reporting. It also clarified when information is material and incorporates some of the guidance in TAS 1 about immaterial information.

The Group has adopted these financial reporting standards since 1 January 2021, except the amendment to TFRS 3, Business combinations, that has been early adopted before the effective date as disclosed in the financial statements for the year ended 31 December 2020. However, the adoption of these financial reporting standards for the accounting period beginning on 1 January 2021 has no significant impact to the financial statements for the year ended 31 December 2021.

3.2 Amended financial reporting standards that are effective for accounting period beginning or after 1 January 2022. The Group has not yet early adopted these standards.

Interest rate benchmark (IBOR) reform - phase 2, amendments to TFRS 9, TFRS 7, TFRS 16 and TFRS 4, and accounting guidance, financial instruments and disclosures for insurance business provide relief measures addressing issues that might affect financial reporting during the reform, including the effects of changes to contractual cash flows or hedging relationship arising from the replacement of one benchmark with an alternative benchmark.

Key relief measures of the phase 2 amendments are as follows:

- determining future lease payments as a result of the IBOR reform.
- be recorded.

TFRS 7 requires additional disclosure about:

- how the entity manages those risks
- the entity is managing

The Group's management is currently assessing the impact of adoption of these standards.

When changing the basis for determining contractual cash flows for financial assets and financial liabilities (including lease liabilities), changes that are necessary as a direct result of the IBOR reform and which are considered economically equivalent, will not result in an immediate gain or loss in the statement of income. TFRS 16 has also been amended to require lessees to use a similar practical expedient when accounting for lease modifications that change the basis for

Hedge accounting relief measures will allow most TFRS 9 hedge relationships that are directly affected by the IBOR reform to continue. However, additional ineffectiveness might need to

the nature and extent of risks arising from the IBOR reform to which the entity is exposed to

the entity's progress in transitioning from the IBOR to alternative benchmark rates and how



Accounting policies 4.

The principal accounting policies adopted in the preparation of these consolidated and separate financial statements are set out below.

4.1 Principles of consolidation and equity accounting

Subsidiaries a)

Subsidiaries are all entities over which the Group has control. The Group controls an entity when the Group is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity. Subsidiaries are consolidated from the date on which control is transferred to the Group until the date that control ceases.

In the separate financial statements, investments in subsidiaries are accounted for using cost method less impairment (if any).

b) Associates

Associates are all entities over which the Group has significant influence but not control or joint control. Investments in associates are accounted for using the equity method of accounting.

In the separate financial statements, investments in associates are accounted for using cost method less impairment (if any).

C) Joint arrangements

Investments in joint arrangements are classified as either joint operations or joint ventures depending on the contractual rights and obligations of each investor, rather than the legal structure of the joint arrangements.

Joint operations

A joint operation is a joint arrangement whereby the Group has rights to the assets, and obligations for the liabilities relating to the arrangement. The Group recognises its direct right to the assets, liabilities, revenues and expenses of joint operations and its share of any jointly held or incurred assets, liabilities, revenues, and expenses. These have been incorporated in the Group's financial statement line items.

Joint ventures

A joint venture is a joint arrangement whereby the Group has rights to the net assets of the arrangement. Interests in joint ventures are accounted for using the equity method.

In the separate financial statements, the joint arrangements are accounted for using cost method less impairment (if any).

Equity method d)

The investment is initially recognised at cost which is consideration paid and directly attributable costs.

The Group's subsequently recognises shares of its associates and joint ventures' profits or losses and other comprehensive income in the profit or loss and other comprehensive income, respectively. The subsequent cumulative movements are adjusted against the carrying amount of the investment.

When the Group's share of losses in associates and joint ventures equals or exceeds its interest in the associates and joint ventures, the Group does not recognise further losses, unless it has incurred obligations or made payments on behalf of the associates and joint ventures.

Changes in ownership interests e)

The Group treats transactions with non-controlling interests that do not result in a loss of control as transactions with equity owners of the Group. A difference between the amount of the adjustment to non-controlling interests to reflect their relative interest in the subsidiary and any consideration paid or received is recognised within equity.

If the ownership interest in associates and joint ventures is reduced but significant influence and joint control is retained, only a proportionate share of the amounts previously recognised in other comprehensive income is reclassified to profit or loss where appropriate. Profit or loss from reduce of the ownership interest in associates and joint ventures is recognise in profit or loss.

When the Group losses control, joint control or significant influence over investments, any retained interest in the investment is remeasured to its fair value, with the change in carrying amount recognised in profit or loss. The fair value becomes the initial carrying amount of the retained interest which is reclassified to investment in an associate, or a joint venture or a financial asset accordingly.

f) Intercompany transactions on consolidation

Intra-group transactions, balances and unrealised gains on transactions are eliminated. Unrealised gains on transactions between the Group and its associates and joint ventures are eliminated to the extent of the Group's interest in the associates and joint ventures. Unrealised losses are also eliminated in the same manner unless the transaction provides evidence of an impairment of the asset transferred.



4.2. Business combination

The Group applies the acquisition method to account for business combinations with an exception on business combination under common control. The consideration transferred for the acquisition of a subsidiary comprises fair value of the assets transferred, liabilities incurred to the former owners of the acquiree, and equity interests issued by the Group.

Identifiable assets and liabilities acquired, and contingent liabilities assumed in a business combination are measured initially at their fair values at the acquisition date.

On an acquisition-by-acquisition basis, the Group initially recognises any non-controlling interest in the acquiree either at fair value or at the non-controlling interest's proportionate share of the acquiree's net assets.

The excess of the consideration transferred, the amount of any non-controlling interest recognised and the acquisition-date fair value of any previous equity interest in the acquiree (for business combination achieved in stages) over the fair value of the identifiable net assets acquired is recorded as goodwill. In the case of a bargain purchase, the difference is recognised directly in profit or loss.

Acquisition-related cost

Acquisition-related cost are recognised as expenses in consolidated financial statements.

Step-up acquisition

If the business combination is achieved in stages, the acquisition date carrying value of the acquirer's previously held equity interest in the acquiree is re-measured to fair value at the acquisition date; any gains or losses arising from such re-measured are recognised in profit or loss.

Changes in fair value of contingent consideration paid/received

Subsequent changes to the fair value of the contingent consideration that is an asset or liability is recognised in profit or loss. Contingent consideration that is classified as equity is not re-measured.

Business combination under common control

The Group accounts for business combination under common control by measuring acquired assets and liabilities of the acquiree at their carrying values presented in the highest level of the consolidation. The Group retrospectively adjusted the business combination under common control transactions as if the combination had occurred on the later of the beginning of the preceding comparative period and the date the acquiree has become under common control.

Consideration of business combination under common control are the aggregated amount of fair value of assets transferred, liabilities incurred, and equity instruments issued by the acquirer at the date of which the exchange in control occurs.

The difference between consideration under business combination under common control and the acquirer's interests in the carrying value of the acquiree is presented as "surplus arising from business combination under common control" in equity and is derecognised when the investment is disposed of by transferred to retained earnings.

4.3 Foreign currency translation

a) Functional and presentation currency

Items included in the financial statements of each of the Group's entities are measured using the currency of the primary economic environment in which each entity operates (the Functional Currency). The financial statements are presented in US Dollar, which is the Company's functional currency and presentation currency.

Transactions and balances b

Foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transaction. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognised in the profit or loss.

When a gain or loss on a non-monetary item is recognised in other comprehensive income, any exchange component of that gain or loss is recognised in other comprehensive income. Conversely, when a gain or loss on a non-monetary item is recognised in profit and loss, any exchange component of that gain or loss is recognised in profit and loss.

c) Group companies

The results and financial position of all the Group's entities (none of which has the currency of a hyperinflationary economy) that have a functional currency different from the presentation currency are translated into the presentation currency as follows:

- position;
- rates; and

Goodwill and fair value adjustments arising on the acquisition of a foreign operation are treated as assets and liabilities of the foreign operation and translated at the closing rate.

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assets and liabilities are translated at the closing rate at the date of respective statement of financial

income and expenses for statement of comprehensive income are translated at average exchange

all resulting exchange differences are recognised in other comprehensive income.



To comply with the regulations of the Stock Exchange of Thailand and Department of Business Development, the Group has to present the financial statements in Baht that are converted from the US Dollar financial statements by using the basis as described in Note 4.3 c).

4.4 Cash and cash equivalents

In the statements of cash flows, cash and cash equivalents includes cash on hand, deposits held at call with banks, other short-term highly liquid investments with original maturities of three months or less and bank overdrafts.

4.5 Trade receivables

Trade receivables are amounts due from customers for goods sold or service performed in the ordinary course of business. They are classified as current.

Trade receivables are recognised initially at the amount of consideration that is unconditionally unless they contain significant financing components, when they are recognised at its present value. The Group holds the trade receivables with the objective to collect the contractual cash flows and therefore measures them subsequently at amortised cost.

The impairment of trade receivables has been disclosed in Note 4.7 f).

4.6 Inventories, spare parts and machinery supplies

Inventories

Inventories consist of coal, fuel and natural gas are valued at the lower of cost or net realisable value. Cost is determined on a weighted average method. The cost of coal comprises direct labour, other direct costs, and related production overhead. The cost of fuel and natural gas comprises both the purchase price and costs directly attributable to the acquisition of fuel and natural gas.

Net realisable value is the estimate of the selling price in the ordinary course of business, less the costs of completion and selling expenses. The Group recognises allowance for slow-moving of coal and fuel based on a specific case.

Spare parts and machinery supplies

Spare parts and machinery supplies are stated at cost less allowance for obsolescence, slow-moving and defective. Cost is determined on a weighted average method. The cost of purchase comprises both the purchase price and costs directly attributable to the acquisition of spare parts and machinery supplies, such as import duties and transportation charge, less all attributable discounts, allowances, or rebates. Spare parts and machinery supplies are charged to production costs in the period in which they are used.

Allowance is made for obsolete, slow-moving, and defective spare parts and machinery supplies on a specific case.

4.7 Financial assets

) Classification

The Group classifies its debt instrument financial assets in the following measurement categories depending on i) business model for managing the asset and ii) the cash flow characteristics of the asset whether they represent solely payments of principal and interest (SPPI).

- those to be measured subsequently at fa through profit or loss); and
- those to be measured at amortised cost.

The Group reclassifies debt investments when and only when its business model for managing those assets changes.

For investments in equity instruments, the Group has an irrevocable election at the time of initial recognition to account for the equity investment at fair value through profit or loss (FVPL) or at fair value through other comprehensive income (FVOCI) except those that are held for trading, they are measured at FVPL.

b) Recognition and derecognition

Purchases, acquisitions, and sales of financial assets are recognised on trade-date, the date on which the Group commits to purchase or sell the asset. Financial assets are derecognised when the rights to receive cash flows from the financial assets have expired or have been transferred and the Group has transferred substantially all the risks and rewards of ownership.

c) Measurement

At initial recognition, the Group measures a financial asset at its fair value plus, in the case of a financial asset not at FVPL, transaction costs that are directly attributable to the acquisition of the financial asset. Transaction costs of financial assets carried at FVPL are expensed in profit or loss.

Financial assets with embedded derivatives are considered in their entirety when determining whether the cash flows are solely payment of principal and interest (SPPI).

d) Debt instruments

Subsequent measurement of debt instruments depends on the Group's business model for managing the asset and the cash flow characteristics of the financial assets. There are three measurement categories into which the Group classifies its debt instruments:

those to be measured subsequently at fair value (either through other comprehensive income or



- Amortised cost: Financial assets that are held for collection of contractual cash flows where those cash flows represent solely payments of principal and interest are measured at amortised cost. Interest income from these financial assets is included in interest income using the effective interest rate method. Any gain or loss arising on derecognition is recognised directly in profit or loss and presented in other gains (losses) together with foreign exchange gains and losses. Impairment expenses are included in administrative expenses.
- FVOCI: Financial assets that are held for i) collection of contractual cash flows; and ii) for selling the financial assets, where the assets' cash flows represent solely payments of principal and interest, are measured at FVOCI. Movements in the carrying amount are taken through other comprehensive income (OCI), expect for the recognition of impairment gains or losses, interest income using the effective interest method, and foreign exchange gains and losses which are recognised in profit or loss. When the financial assets are derecognised, the cumulative gain or loss previously recognised in OCI is reclassified from equity to profit or loss and recognised in other gains (losses). Interest income is included in interest income. Impairment expenses are included in administrative expenses.
- FVPL: Financial assets that do not meet the criteria for amortised cost or FVOCI are measured at FVPL. A gain or loss on a debt investment that is subsequently measured at FVPL is recognised in profit or loss and presented net within net gains (losses) from changes in fair value of financial instruments in the period in which it arises.

Equity instruments

The Group measures all equity investments at fair value. Where the Group has elected to present fair value gains and losses on equity instruments in OCI, there is no subsequent reclassification of fair value gains and losses to profit or loss following the derecognition of the investment. Dividends from such investments continue to be recognised in profit or loss as dividend income when the right to receive payments is established.

Changes in the fair value of financial assets at FVPL are recognised in net gains (losses) from changes in fair value of financial instruments in the statement of comprehensive income.

Impairment losses (and reversal of impairment losses) on equity investments are reported together with changes in fair value.

Impairment

The Group applies the TFRS 9 simplified approach in measuring the impairment of trade receivables and other receivables, which applies lifetime expected credit loss, from initial recognition, for trade receivables and other receivables.

To measure the expected credit losses, trade receivables have been grouped based on shared credit risk characteristics and the days past due. The expected credit loss rates are based on payment profiles, historical credit losses as well as forward-looking information and factors that may affect the ability of the customers to settle the outstanding balances.

For other financial assets carried at amortised cost and FVOCI, the Group applies TFRS 9 general approach in measuring the impairment of those financial assets. Under the general approach, the 12-month or the lifetime expected credit loss is applied depending on whether there has been a significant increase in credit risk since the initial recognition.

The significant increase in credit risk (from initial recognition) assessment is performed every end of reporting period by comparing i) expected risk of default as of the reporting date and ii) estimated risk of default on the date of initial recognition.

The Group assesses expected credit loss by taking into consideration forward-looking information and past experiences. The expected credit loss is a probability-weighted estimate of credit losses (probabilityweighted present value of estimated cash shortfall). The cash shortfall is the difference between all contractual cash flows that are due to the Group and all cash flows expected to receive, discounted at the original effective interest rate.

When measuring expected credit losses, the Group reflects the following:

- probability-weighted estimated uncollectible amounts
- time value of money; and
- and forecasts of future situations.

Impairment and reversal of impairment losses are recognised in profit or loss and included in administrative expenses.

4.8 Non-current assets held-for-sale

Non-current assets (or disposal groups) are classified as assets held-for-sale when their carrying amount will be recovered principally through a sale transaction and a sale is considered highly probable. They are measured at the lower of the carrying amount and fair value less costs to sell.

An impairment loss is recognised for write-down of the asset (or disposal group) to fair value less costs to sell. A gain is recognised for any subsequent increases in fair value less costs to sell of an asset (or disposal group), but not in excess of any cumulative impairment loss previously recognised.

supportable and reasonable information as of the reporting date about past experience, current conditions,





Investment property 4.9

Property that is held for long-term rental or for capital appreciation or both, and that is not occupied by the companies in the Group, is classified as investment property. Investment property also includes property that is being constructed or developed for future use as investment property or land held for a currently undetermined future use. The Group's investment property is land held for a currently undetermined future use.

Investment property is measured initially at its cost including related transaction costs. Subsequently, the investment property is carried at cost less accumulated impairment losses.

Subsequent expenditure is capitalised to the asset's carrying amount only when it is probable that future economic benefits associated with the expenditure will flow to the Group and the cost of the item can be measured reliably. All other repair and maintenance costs are expensed when incurred.

4.10 Property, plant and equipment

Property, plant and equipment are initially recorded at cost including contingent consideration arrangement. Subsequently, all plant and equipment are stated at historical cost less accumulated depreciation and allowance for impairment. Subsequent changes in contingent consideration shall be recognised as part of its cost.

Subsequent costs are included in the asset's carrying amount or recognised as a separate asset, as appropriate, only when it is probable that future economic benefits associated with the item will flow to the Group and the cost of the item can be measured reliably. The carrying amount of the replaced part is derecognised. All other repairs and maintenance are charged to profit or loss during the financial period in which they are incurred.

Land is not depreciated. Depreciation on other assets is calculated using the straight-line method to allocate their cost to their residual values over their estimated useful lives as follows:

| Land improvement | 10 years |
|--------------------------------------------------|-----------------------------------------------|
| Buildings, construction and building improvement | depend on period of the mine or 5 to 30 years |
| | and 30 years for power plants |
| Machinery and equipment | 5 to 40 years |
| Furniture | 3 and 5 years |
| Office equipment and tools | 3 and 5 years |
| Motor vehicles | 4 and 5 years |
| Equipment under finance lease | 5 to 15 years |

The assets' residual values and useful lives are reviewed, and adjusted if appropriate, at the end of each reporting period.

Where the carrying amount of an asset is greater than its estimated recoverable amount, it is written down immediately to its recoverable amount.

Gains or losses on disposals are determined by comparing proceeds with carrying amount and are recognised in the profit or loss.

Gas exploration and producing assets

Probable reserves represent reserves that are assessed by the Group at the time when there is an acquisition of business. Probable reserves will be classified as gas properties once they are proved reserves and amortised using the unit of production method.

Costs of properties comprise total acquisition costs of natural gas rights or the acquisition costs of the portion of properties, decommissioning costs as well as equipment and support equipment.

Exploratory drilling costs are capitalised and will be classified as deferred exploration and development expenditures if their exploratory wells have identified proved reserves that have been found to be commercially viable. However, if proved reserves are not identified or are not commercially viable, such drilling costs will be expensed in the profit or loss.

Exploration costs, comprising geological and geophysical costs as well as area reservation fees during the exploration stage, are charged to expenses in the profit or loss when incurred.

Development costs, whether relating to the successful or unsuccessful development of wells, are capitalised.

The capitalised acquisition costs of natural gas rights are amortised using the unit of production method based on proved reserves. Depreciation of exploratory wells, development costs and decommissioning costs, except unsuccessful projects, are calculated using the unit of production method based on proved reserves or proved developed reserves. The Group recognises changes in reserve estimates prospectively.

Proved reserves and proved developed reserves are calculated by the Group's engineers based on the information received from the joint operators.

Midstream assets

Costs of properties comprise purchase prices and other direct costs necessary to bring the asset to a working condition suitable for its intended use. Depreciation is calculated on the straight-line method over their estimated useful life as follows:

Compressor station and meter station Pipelines

25 years 40 years



4.11 Goodwill

Goodwill represents the excess of the cost of an acquisition over the fair value of the Group's share of the net assets of the acquired subsidiary, joint venture, or associated undertaking at the date of acquisition. Goodwill on acquisitions of subsidiaries is separately reported in the consolidated statement of financial position. Goodwill on acquisitions of interests in joint ventures or associates is included in interests in joint ventures and investments in associates and is tested for impairment as part of the overall balance.

Separately recognised goodwill is tested annually for impairment and carried at cost less accumulated impairment losses. Impairment losses on goodwill are not reversed. Gains and losses on the disposal of an entity include the carrying amount of goodwill relating to the entity sold.

Goodwill is allocated to cash-generating units for the purpose if impairment testing. The allocation is made to those cash-generating units or group of cash-generating units that are expected to benefit from the business combination in which the goodwill arose, identified according to operating segment.

4.12 Intangible assets

Computer software a)

Computer software development costs recognised as assets are amortised over their estimated useful lives, which do not exceed 5 years.

b) Mining property rights

Mining property rights represent the excess of the cost of an acquisition over the fair value of net assets, which in managements' view represents future economic benefits attributable to the mining rights held by subsidiaries. Mining property rights are amortised using the units of coal production.

c) Deferred unfavourable contract liabilities

Deferred unfavourable contract liabilities are recognised as identifiable liabilities of acquiree as part of the purchase price allocation at the acquisition date. The unfavourable contract liabilities incurred from an excess of the fair value of long-term coal sales contracts than sales values specified in such coal sales contracts. The deferred unfavourable contract liabilities are amortised based on delivered units of coal.

d) Deferred exploration and development expenditures

Exploration expenditures are capitalised on an area of interest basis. Such expenditures comprise net direct costs such as licence, geology and geophysics expenditures and do not include general overheads or administrative expenditures not directly attributable to a particular area of interest. Exploration expenditures are capitalised as deferred expenditures when the following conditions are met:

- area of interest or, by its sales; and
- are continuing.

Recoupment of exploration expenditure carried forward is dependent upon successful development and commercial exploitation, or sale of the respective area. Each area of interest is reviewed at the end of period. Exploration expenditures in respect of an area of interest, which has been abandoned or for which a decision has been made by the Group against the commercial viability of the area of interest, are written-off in the period the decision is made to the profit or loss.

Development expenditures and incorporated costs in developing an area of interest prior to commencement of operations in the respective area, as long as they meet the criteria for deferral, are capitalised.

Deferred exploration and development expenditure is principally amortised using the units of coal production of each area of interest starting from the commencement of commercial operations.

e) Stripping costs/Overburden costs

The Group recognises the production stripping costs as assets if, and only if, all of the following are met: a) It is probable that the future economic benefit associated with the stripping activity will flow to the entity. b) The entity can identify the component of the ore body for which access has been improved; and c) The costs relating to the stripping activity associated with that component can be measured reliably.

The deferred overburden expenditures/stripping costs shall be initially measured at cost and subsequently stated at cost less accumulated amortisation and impairment losses, if any. Amortisation is calculated using the units of production method.

Rights to operate the power plants

The rights to operate the power plants arising from purchase of investments are amortised over the periods of estimated useful life of the power plants.

Rights in patents g)

The rights in patents arising from purchase of investments are amortised over the periods of estimated useful life of the assets.

a) such costs are expected to be recouped through successful development and exploitation of the

b) exploration activities in the area of interest have not yet reached the stage which permits a reasonable assessment of the existence of economically recoverable reserves, and active operations in the area





4.13 Impairment of assets

Assets that have an indefinite useful life are tested annually for impairment, or more frequently if events or changes in circumstances indicate that it might be impaired. Assets that are subject to amortisation are reviewed for impairment whenever there is an indication of impairment. An impairment loss is recognised for the amount by which the carrying amount of the assets exceeds its recoverable amount. The recoverable amount is the higher of an asset's fair value less costs of disposal and value in use. Where the reasons for previously recognised impairments no longer exist, the impairment losses on the assets concerned other than goodwill is reversed.

4.14 Leases

Where the Group is the lessee

Leases are recognised as a right-of-use asset and a corresponding liability at the date at which the leased asset is available for use by the Group. Each lease payment is allocated between the liability and finance cost. The finance cost is charged to profit or loss over the lease period so as to produce a constant periodic rate of interest on the remaining balance of the liability for each period. The right-of-use asset is depreciated over the shorter of the asset's useful life and the lease term on a straight-line basis.

Contracts may contain both lease and non-lease components. The Group allocates the consideration in the contract to the lease and non-lease components based on their relative stand-alone prices. However, for leases of real estate for which the group is a lessee, it has elected not to separate lease and non-lease components and instead accounts for these as a single lease component.

Assets and liabilities arising from a lease are initially measured on a present value basis. Lease liabilities include the net present value of the following lease payments:

- fixed payments (including in-substance fixed payments), less any lease incentives receivable
- variable lease payment that are based on an index or a rate
- amounts expected to be payable by the lessee under residual value guarantees
- the exercise price of a purchase option if the lessee is reasonably certain to exercise that option, and -
- payments of penalties for terminating the lease, if the lease term reflects the lessee exercising that option.

Lease payments to be made under reasonably certain extension options are also included in the measurement of the liability.

The lease payments are discounted using the interest rate implicit in the lease. If that rate cannot be determined, the lessee's incremental borrowing rate is used, being the rate that the lessee would have to pay to borrow the funds necessary to obtain an asset of similar value in a similar economic environment with similar terms and conditions.

The group is exposed to potential future increases in variable lease payments based on an index or rate, which are not included in the lease liability until they take effect. When adjustments to lease payments based on an index or rate take effect, the lease liability is reassessed and adjusted against the right-of-use asset. (please delete if the Group does not have variable lease payment based on an index or rate).

Right-of-use assets are measured at cost comprising the following:

- the amount of the initial measurement of lease liability
- any lease payments made at or before the commencement date less any lease incentives received
- any initial direct costs, and
- restoration costs.

Payments associated with short-term leases and leases of low-value assets are recognised on a straight-line basis as an expense in profit or loss. Short-term leases are leases with a lease term of 12 months or less. Low-value assets comprise IT-equipment and small items of office furniture.

Where the Group is the lessor

When assets are leased out under a finance lease, the present value of the lease payments is recognised as a receivable. The difference between the gross receivable and the present value of the receivable is recognised as unearned finance income. Lease income is recognised over the term of the lease which reflects a constant periodic rate of return. Initial direct costs are included in initial measurement of the finance lease receivable and reduce the amount of income recognised over the lease term.

Rental income under operating leases (net of any incentives given to lessees) is recognised on a straight-line basis over the lease term. Initial direct costs incurred in obtaining an operating lease are added to the carrying amount of the underlying asset and recognised as expense over the lease term of the same basis as lease income. The respective leased assets are included in the statement of financial position based on their nature.

4.15 Financial liabilities

a) Classification

Financial instruments issued by the Group are classified as either financial liabilities or equity securities by considering contractual obligations.

Borrowings are classified as current liabilities unless the Group has an unconditional right to defer settlement of the liability for at least 12 months after the reporting date.

Where the Group has an unconditional contractual obligation to deliver cash or another financial asset to another entity, it is considered a financial liability unless there is a predetermined or possible settlement for a fixed amount of cash in exchange of a fixed number of the Group's own equity instruments. Where the Group has no contractual obligation or has an unconditional right to avoid delivering cash or another financial asset in settlement of the obligation, it is considered an equity instrument.



Measurement b)

Financial liabilities are initially recognised at fair value and are subsequently measured at amortised cost.

c) Derecognition and modification

Financial liabilities are derecognised when the obligation specified in the contract is discharged, cancelled, or expired.

Where the terms of a financial liability are renegotiated/modified, the Group assesses whether the renegotiation/ modification results in the derecognition of that financial liability. Where the modification results in an extinguishment, the new financial liability is recognised based on fair value of its obligation. The remaining carrying amount of financial liability is derecognised. The difference as well as proceed paid is recognised as other gains/(losses) in profit or loss.

Where the modification does not result in the derecognition of the financial liability, the carrying amount of the financial liability is recalculated as the present value of the renegotiate/modified contractual cash flows discounted at its original effective interest rate. The difference is recognised in other gains/(losses) in profit or loss.

4.16 Borrowing costs

General and specific borrowing costs directly attributable to the acquisition, construction, or production of qualifying assets (assets that take a long time to get ready for its intended use or sale) are added to the cost of those assets less investment income earned from those specific borrowings. The capitalisation of borrowing costs is ceased when substantially all the activities necessary to prepare the qualifying asset for its intended use or sale are complete.

Other borrowing costs are expensed in the period in which they are incurred.

4.17 Current and deferred income taxes

The tax expense for the year comprises current and deferred tax. Tax is recognised in profit or loss, except to the extent that it relates to items recognised in other comprehensive income or directly in equity.

Current tax

The current income tax charge is calculated on the basis of the tax laws enacted or substantively enacted at the end of reporting period. Management periodically evaluates positions taken in tax returns in which applicable tax regulation is subject to interpretation. It establishes provisions where appropriate on the basis of amounts expected to be paid to the tax authorities.

Deferred income tax

Deferred income tax is recognised on temporary differences arising from differences between the tax base of assets and liabilities and their carrying amounts in the financial statements. However, deferred income tax is not recognised for temporary differences arise from:

- affects neither accounting nor taxable profit or loss is not recognised
- difference will not reverse in the foreseeable future.

Deferred income tax is measured using tax rates of the period in which temporary difference is expected to be reversed, based on tax rates and laws that have been enacted or substantially enacted by the end of the reporting period.

Deferred tax assets are recognised only to the extent that it is probable that future taxable profit will be available against which the temporary differences can be utilised.

Deferred tax assets and liabilities are offset when there is a legally enforceable right to offset current tax assets and liabilities and when the deferred tax balances relate to the same taxation authority. Current tax assets and tax liabilities are offset where the entity has a legally enforceable right to offset and intends either to settle on a net basis, or to realise the asset and settle the liability simultaneously.

4.18 Employee benefits

The Group operates various post-employment benefits schemes. The Group has both defined benefit and defined contribution plans.

Short-term employee benefits

Liabilities for short-term employee benefits such as wages, salaries, paid annual leave and paid sick leave, profit-sharing and bonuses that are expected to be settled wholly within 12 months after the end of the period are recognised in respect of employees' service up to the end of the reporting period. They are measured at the amount expected to be paid.

Defined contribution plan

The Group operates a provident fund that is funded by payments from employees and by the relevant Group companies which are managed by trustee. The Group has no legal or constructive obligations to pay further contributions once the contributions have been paid even if the fund does not hold sufficient assets to pay all

initial recognition of an asset or liability in a transaction other than a business combination that

investments in subsidiaries, associates, and joint arrangements where the timing of the reversal of the temporary difference is controlled by the Group and it is probable that the temporary



employees the benefits relating to employee service in the current and prior periods. Contributions to the provident fund are charged to the profit or loss in the year in which they are due.

Furthermore, the Group contributes to a monthly defined contribution retirement benefit plan administered by the government of the People's Republic of China. The relevant government agencies undertake to assume the retirement benefit obligation payable to all existing and future retired employees under this plan and the Group has no further obligation for post-retirement benefits beyond the contributions made. Contributions to this plan are recognised as an expense in profit or loss when incurred.

Retirement benefits

Employees are entitled to receive benefits reaching normal retirement age under the labour law applicable in Thailand and those countries in which the Group operates, or such other dates of entitlement as may be agreed between the Group and employees. Retirement benefits depend on one or more factors such as age, years of service and compensation.

The liability recognised in the statement of financial position in respect of defined benefit retirement plans is the present value of the defined benefit obligation at the end of the reporting period. The defined benefit obligation is calculated annually by independent actuaries using the projected unit credit method. The present value of the defined benefit obligation is determined by discounting the estimated future cash outflows using the interest rates of government securities that are denominated in the currency in which the benefits will be paid, and that have terms to maturity approximating to the terms of the related retirement liability.

Remeasurement of gains and losses arising from experienced adjustments and changes in actuarial assumptions are charged or credited to equity in other comprehensive income in the period in which they arise. They are included in retained earnings in the statements of changes in equity.

Past-service costs are recognised immediately in profit or loss.

Other employee benefits

Other employee benefits of the Indonesian subsidiaries, which consist of long service reward and long leave benefit, are recognised in the consolidated statement of financial position at the present value of the defined benefit obligation. The actuarial gains and losses and the past service costs are recognised immediately in the profit or loss.

Other employee benefits of the Australian subsidiaries, which consist of annual leave, sick leave, and long service leave, are paid monthly in accordance with Coal Mining Industry (Long Service Leave Funding Corporation) and recognised as expenses in profit or loss.

4.19 Share-based payment

The Group operates a number of equity-settled, share-based compensation plans, under which the Group receives services from employees as consideration for equity instruments (warrants) of the Group. The fair value of the employee services received in exchange for the grant of the warrants is recognised as an expense. The total amount to be expensed is determined by reference to the fair value of the warrants granted:

- including any market performance conditions.
- and
- to save or hold shares for a specific period).

Non-market performance and service conditions are included in assumptions about the number of warrants that are expected to vest. The total expense is recognised over the vesting period, which is the period over which all of the specified vesting conditions are to be satisfied. At the end of each reporting period, the Group revises its estimates of the number of warrants that are expected to vest based on the non-marketing vesting conditions. It recognises the impact of the revision to original estimates, if any, in profit or loss, with a corresponding adjustment to equity.

When the warrants are exercised, the Group issues new share. The proceeds received net of any directly attributable transaction costs are credited to share capital (nominal value) and share premium.

For share-based compensation plans in which the terms of the arrangement provide the Group with the option to settle the awards in cash, the Group assesses the probability of exercising that option, including considering their past practice of settling in cash when determining classification of the awards as equity or liability. The Group shall measure the services received from each employee and the liability incurred at the fair value of the restricted stock units at the grant date and remeasures the fair value of the liability at the end of each reporting period and at the date of settlement, with any changes in fair value recognised in profit or loss for the period.

The grant by the Group of warrants over its equity instruments to the employees of subsidiaries undertakings in the Group is treated as a capital contribution. The fair value of employee services received, measured by reference to the grant date fair value, is recognised over the vesting period as an increase to investment in subsidiary, in separate financial statements undertakings, with a corresponding credit to equity.

4.20 Provisions

Provisions are recognised when the Group has a present legal or constructive obligation as a result of past events, it is probable that an outflow of resources will be required to settle the obligation, and a reliable estimate of the amount can be made.

excluding the impact of any service and non-market performance vesting conditions (for example, profitability, sales growth targets and remaining an employee of the entity over a specified period);

excluding the impact of any non-vesting conditions (for example, the requirement for employees



Provision for environmental rehabilitation is recognised by units of sale at the rate determined by the Group's geologist. The provisioning rate is based on the estimated cost for mine rehabilitation through to the end of the mine. The Group reviews and revises the rate to reflect the actual expenses incurred on a regular basis.

The Group records a provision for decommissioning costs whenever it is probable that there would be an obligation as a result of a past event and the amount of that obligation is reliably estimated by the Group's engineers and management's judgement. The Group recognises provision for decommissioning costs as part of oil and gas properties, using the discounted present value on the estimated eventual costs that relate to the removal of the production facilities and amortised based on the unit of production of the proved reserve or the proved developed reserve. The Group recognises an increase that reflects the passage of time from the unwinding discount in each period, as a finance cost in profit or loss. The provisions are based on the current situation such as regulations, technologies, and prices. The actual results could differ from these estimates as future confirming events occur.

4.21 Share capital

Ordinary shares with discretionary dividends are classified as equity.

Incremental external costs directly attributable to the issue of new shares are shown in equity as a deduction, net of tax, from the proceeds.

Treasury share

Where any Group company purchases the Company's equity share capital (treasury shares), the consideration paid, including any directly attributable incremental costs (net of income taxes) is deducted from equity attributable to the company's equity holders until the shares are cancelled or reissued. Where such shares are subsequently reissued, any consideration received, net of any directly attributable incremental transaction costs and the related income tax effects, is included in equity attributable to the company's equity holders.

4.22 Revenue recognition

Revenue is recorded net of value added tax. They are recognised in accordance with the provision of goods or services, provided that collectability of the consideration is probable.

Multiple element arrangements involving delivery or provision of multiple products or services are separated into distinct performance obligations. Total transaction price of the bundled contract is allocated to each performance obligation based on their relative standalone selling prices or estimated standalone selling prices. Each performance obligation is recognised as revenue on fulfilment of the obligation to the customer. Revenue is recognised as follows.

Revenue from coal sales

The Group recognises revenue from coal sales at a certain point in time when the products is delivered to customers at the delivery point. The transfer of products takes place when the Group delivers products to its destination as specified according to the contracts. Revenue represents the revenue earned from the sale of Group's products with realisable value net of value-added tax, rebate and discounts.

Sales of electricity and steam not under lease agreements

The Group recognises revenue from sales of electricity and steam relating to Power Purchase Agreement and Steam Purchase Agreement at certain points in time when the control of products is transferred to the customer at the delivery point. Revenue represents the revenue earned from the sale of Group's products with realisable value net of value-added tax, rebate, and discounts.

Sales of electricity under lease agreements

Finance lease income under power purchase agreements is recognised on an effective interest method over the period of the agreements.

Service income under finance lease agreements related to the Power Purchase Agreements is recognised when the services have been rendered. Service income comprises income in relation to the availabilities of the power plants, other servicing income and fuel cost received from leases with respect to the leased assets. If the considerations exceed the services rendered, a contract liability is recognised. On the other hand, if the considerations less than the services rendered, a contract asset is recognised.

Revenue from sales of natural gas

Revenues from sales of natural gas are recorded upon transfer of title, according to the terms of related contracts and based on actual volumes sold.

Revenue from pipeline transportation is recognised when services are rendered based on quantities transported and measured according to the underlying contract.

Revenue from freight income

Freight income is recognised when the Group satisfies the performance obligation at a point in time generally when the significant acts have been completed and when transfer of control occurs or for services that are not significant transactions, revenue is recognised as the services are provided.





Revenue from rendering of services

The Group recognised service contracts with a continuous service provision as revenue on a straight-line basis over the contract term, regardless of the payment pattern.

Dividend income

Dividend income is recognised when the group's right to receive payment is established.

Interest income

Interest income is recognised using the effective interest method.

4.23 Dividend distribution

Dividends distribution to the Group's shareholders is recognised as a liability in the consolidated and separate financial statements in the period in which the dividends are approved by the shareholders and interim dividends are approved by the Board of Directors.

4.24 Derivatives and hedging activities

a) Embedded derivative and derivatives that do not qualify for hedge accounting

Embedded derivative that is separately accounted for and derivatives that do not qualify for hedge accounting is initially recognised at fair value. Changes in the fair value are included in "net gains (losses) from changes in fair value of financial instruments".

Fair value of derivatives is classified as a current or non-current following its remaining maturity.

b) Hedge accounting

Derivatives are initially recognised at fair value on the date a derivative contract is entered into and are subsequently remeasured to their fair value at the end of each reporting period. The Group designates certain derivatives as either:

- hedges of the fair value of i) recognised assets or liabilities or ii) unrecognised firm commitments (fair value hedges); or
- hedges of a particular risk associated with the cash flows of i) recognised assets and liabilities
 and ii) highly probable forecast transactions (cash flow hedges); or
- hedges of a net investment in a foreign operation (net investment hedges).

At inception of the hedge relationship, the Group documents i) the economic relationship between hedging instruments and hedged items including whether changes in the cash flows of the hedging instruments are expected to offset changes in the cash flows of hedged items and ii) its risk management objective and strategy for undertaking its hedge transactions.

The full fair value of a hedging derivative is classified as a current or non-current asset or liability following the maturity of related hedged item.

Cash flow hedges that qualify for hedge accounting

The effective portion of changes in the fair value of derivatives that are designated and qualified as cash flow hedges is recognised in the cash flow hedge reserve within equity. The gain or loss relating to the ineffective portion is recognised immediately in profit or loss.

When forward contracts are used to hedge forecast transactions, the Group generally designates only the change in fair value of the forward contract related to the spot component as the hedging instrument. Gains or losses relating to the effective portion of the change in the spot component of the forward contracts are recognised in the cash flow hedge reserve within equity. The change in the forward element of the contract that relates to the hedged item ('aligned forward element') is recognised within other comprehensive income in the costs of hedging reserve within equity.

In some cases, the Group may designate the full change in fair value of the forward contract (including forward points) as the hedging instrument. In such cases, the gains or losses relating to the effective portion of the change in fair value of the entire forward contract are recognised in the cash flow hedge reserve within equity.

Amounts accumulated in equity are reclassified in the periods when the hedged item affects profit or loss.

When a hedging instrument expires, or is sold or terminated, or when a hedge no longer meets the criteria for hedge accounting, any cumulative deferred gain or loss and deferred costs of hedging in equity at that time remains in equity until the forecasted transaction occurs. When the forecasted transaction is no longer expected to occur, the cumulative gain or loss and deferred costs of hedging that were reported in equity are immediately reclassified to profit or loss.

Net investment hedges

Hedges of net investments in foreign operations are accounted for similarly to cash flow hedges.

Any gain or loss on the hedging instrument relating to the effective portion of the hedge is recognised in other comprehensive income and accumulated in reserves in equity. The gain or loss relating to the ineffective portion is recognised immediately in profit or loss within net gains (losses) from changes in fair value of financial instruments. Gains and losses accumulated in equity are reclassified to profit or loss when the foreign operation is partially disposed of or sold.





4.25 Financial guarantee contracts

Financial guarantee contracts are recognised as a financial liability at the time the guarantee is issued. The liability is initially measured at fair value and subsequently at the higher of:

- the amount determined in accordance with the expected credit loss model under TFRS 9; and
- the amount initially recognised less the cumulative amount of income recognised in accordance with the principles of TFRS 15.

The fair value of financial guarantees is determined based on the present value of the difference in cash flows between a) the contractual payments required under the debt instrument; and b) the payments that would be required without the guarantee, or the estimated amount that would be payable to a third party for assuming the obligations.

Where guarantees in relation to loans or other payables of associates are provided for no compensation, the fair values are accounted for as contributions and recognised as part of the cost of the investment.

4.26 Segment reporting

Operating segments are reported in a manner consistent with the internal reporting provided to the chief operating decision-maker. The Chief Executive Officer is the chief operating decision-maker, responsible for allocating resources, assessing performance of the operating segments, and making strategic decisions.

5. **Financial risk management**

5.1 Financial risk

The Group's activities expose it to a variety of financial risks, market risk (including foreign exchange risk, interest rate risk and price risk), credit risk and liquidity risk. The Group's overall risk management programme focuses on the unpredictability of financial markets and seeks to minimise potential adverse effects on the Group's financial performance. The Group uses derivative financial instruments to hedge certain exposures.

Risk management is carried out by a central treasury department under policies approved by the Board of Directors. Group Treasury identifies, evaluates and hedges financial risks in close co-operation with the Group's operating units.

5.1.1 Marketrisk

a) Foreign exchange rate risk

The Group operates internationally and is exposed to foreign exchange rate risk arising from various currency exposures, primarily with respect to Baht, US Dollar, Indonesian Rupiah, Australian Dollar and Chinese Yuan. Foreign exchange risk arises from future commercial transactions, net investment in

foreign operations and net monetary assets and liabilities that are denominated in a currency that is not the entity's functional currency.

Instruments used by the Group

The Group uses foreign exchange forward contracts and currency and interest rate swaps contracts to hedge its exposure to foreign exchange rate risk. Under the group's policy, the critical terms of the derivative instruments must align with the hedged items.

Net investment hedges in foreign operations

The Group has adopted accounting policy for net investment hedges in foreign operations. The Group designates certain Baht debentures and short-term loans from financial institutions to be hedging instruments for net investments in subsidiaries whose functional currency is Baht, by using the foreign exchange rate of the debentures and short-term loans from financial institutions at the designated date.

Any gain or loss on the hedging instrument relating to the effective portion of the hedge is recognised in other comprehensive income and accumulated as reserves in equity. The gain or loss relating to the ineffective portion is recognised immediately in profit or loss. Gains and losses accumulated in equity are recognised to profit or loss when the foreign operation is disposed.

As at 31 December

Carrying amount of debentures and short-term loans from financial institutions at inception date Debentures and short-term loans from financial institutions in Bal Change in carrying amount of debentures and short-term loans from financial institutions as a result of foreign currency movement at inception date Change in carrying amount of debentures and short-term loans from financial institutions as a result of foreign currency movement from 1 January Change in value of hedge item used to determine hedge effectiveness recognised in other comprehensive income

FINANCIAL REPORT 2021

| | Consolidated financial statements | | | | | | | | |
|----|-----------------------------------|------------------------|--|--|--|--|--|--|--|
| | 2021 | 2020 | | | | | | | |
| | | | | | | | | | |
| | US Dollar 801 million | US Dollar 801 million | | | | | | | |
| ht | Baht 26,400 million | Baht 26,400 million | | | | | | | |
| 6 | | | | | | | | | |
| | | | | | | | | | |
| | - | US Dollar 78 million | | | | | | | |
| 6 | | | | | | | | | |
| | | | | | | | | | |
| | US Dollar (89) million | - | | | | | | | |
| | | | | | | | | | |
| | US Dollar 89 million | US Dollar (78) million | | | | | | | |





Exposure

The Group and the Company's exposure to foreign currency risk that is not entity's functional currency expressed in US Dollar currency, was as follows:

| | | | Cor | nsolidated finance | cial statements |
|---------|-----------|---------------|-----------|--------------------|-----------------|
| | | US Dollar'000 | | | Baht'000 |
| USD | THB | IDR | USD | THB | IDR |
| | | | | | |
| | | | | | |
| | | | | | |
| 5,190 | 85,400 | 34,605 | 155,887 | 2,565,158 | 1,039,423 |
| 3,822 | 20,043 | 33,647 | 114,813 | 602,022 | 1,010,661 |
| 5,653 | 121,481 | - | 169,792 | 3,648,923 | - |
| 45,950 | - | - | 1,380,205 | - | - |
| 82,335 | 645,399 | - | 2,473,105 | 19,385,924 | - |
| | | | | | |
| | | | | | |
| - | 503,045 | - | - | 15,110,000 | - |
| 2,060 | 2,265 | 62,342 | 61,888 | 68,028 | 1,872,559 |
| 5,644 | 135,824 | - | 169,543 | 4,079,767 | - |
| 222,897 | 175,583 | - | 6,695,169 | 5,274,008 | - |
| - | 1,450,290 | - | - | 43,562,504 | - |
| 126,528 | 490,956 | - | 3,800,533 | 14,746,900 | - |
| | | | | | |

| | | | | Con | solidated financia | al statements |
|--------------------------------------------------|---------------|-----------|--------|-----------|--------------------|---------------|
| | US Dollar'000 | | | | Bahť000 | |
| | USD | THB | IDR | USD | THB | IDR |
| | | | | | | |
| As at 31 December 2021 | | | | | | |
| Financial assets | | | | | | |
| Cash and cash equivalents | 10,413 | 113,883 | - | 347,997 | 3,805,943 | - |
| Trade accounts receivable, net | 12,973 | 7,250 | 73,528 | 433,546 | 242,287 | 2,457,297 |
| Amounts due from related parties | 16,908 | 137,435 | - | 565,048 | 4,593,068 | - |
| Short-term loans to related parties | 175,959 | 9,124 | - | 5,880,520 | 304,930 | - |
| Long-term loans to related parties | 252,970 | 784,859 | - | 8,454,232 | 26,229,926 | - |
| | | | | | | |
| Financial liabilities | | | | | | |
| Short-term loans from financial institutions | 174,491 | 592,461 | - | 5,831,459 | 19,800,000 | - |
| Short-term loans from related parties | 49,550 | - | - | 1,655,956 | - | - |
| Trade account payable | 7,065 | - | 85,262 | 236,107 | - | 2,849,436 |
| Amounts due to related parties | 3,807 | - | - | 127,238 | - | - |
| Accrued interest expenses | 8,310 | 147,299 | - | 277,707 | 4,922,720 | - |
| Long-term loans from financial institutions, net | 60,000 | 158,588 | - | 2,005,194 | 5,300,000 | - |
| Debentures, net | - | 1,833,339 | - | - | 61,270,000 | - |
| Long-term loans from related parties | 81,070 | 455,363 | - | 2,709,351 | 15,218,198 | - |
| | | | | | | |
| Derivative assets | | | | | | |
| Financial derivative assets applying | | | | | | |
| cash flow hedges | | | | | | |
| - Foreign exchange forward contracts | 120,000 | - | - | 4,010,388 | - | - |
| - Currency and interest rate swaps | | | | | | |
| contracts | - | 253,153 | - | - | 8,460,350 | - |
| | | | | | | |

| | | | | Con | solidated financi | al statements |
|--------------------------------------------------|---------|-----------|--------------|-----------|-------------------|---------------|
| | | U | S Dollar'000 | | | Baht'000 |
| | USD | THB | IDR | USD | THB | IDR |
| As at 31 December 2020 | | | | | | |
| Financial assets | | | | | | |
| Cash and cash equivalents | 5,190 | 85,400 | 34,605 | 155,887 | 2,565,158 | 1,039,423 |
| Trade accounts receivable, net | 3,822 | 20,043 | 33,647 | 114,813 | 602,022 | 1,010,661 |
| Amounts due from related parties | 5,653 | 121,481 | - | 169,792 | 3,648,923 | - |
| Short-term loans to related parties | 45,950 | - | - | 1,380,205 | - | - |
| Long-term loans to related parties | 82,335 | 645,399 | - | 2,473,105 | 19,385,924 | - |
| Financial liabilities | | | | | | |
| Short-term loans from financial institutions | - | 503,045 | - | - | 15,110,000 | - |
| Trade account payable | 2,060 | 2,265 | 62,342 | 61,888 | 68,028 | 1,872,559 |
| Accrued interest expenses | 5,644 | 135,824 | - | 169,543 | 4,079,767 | - |
| Long-term loans from financial institutions, net | 222,897 | 175,583 | - | 6,695,169 | 5,274,008 | - |
| Debentures, net | - | 1,450,290 | - | - | 43,562,504 | - |
| Long-term loans from related parties | 126,528 | 490,956 | - | 3,800,533 | 14,746,900 | - |
| Derivative assets | | | | | | |
| Financial derivative assets applying | | | | | | |
| cash flow hedges | | | | | | |
| - Foreign exchange forward contracts | 130,000 | - | - | 3,904,823 | - | - |
| - Currency and interest rate swaps | | | | | | |
| contracts | - | 348,248 | - | - | 10,460,350 | - |
| Derivative liabilities | | | | | | |
| Financial derivative liabilities recognised at | | | | | | |

| Financial derivative liabilities recognised at | | |
|------------------------------------------------|---|--|
| fair value through profit or loss | | |
| - Foreign exchange forward contracts | - | |

| 65,809 | - | - | 1,976,707 | - |
|--------|---|---|-----------|---|
|--------|---|---|-----------|---|





| | Separate finar | ncial statements | tements The effects of the foreign currency-related hedging instruments on the Group and the Company's finan | | | ny's financial | |
|----------------------------------------------------------------------------------------------------|----------------|------------------|--------------------------------------------------------------------------------------------------------------|----------------------|----------------|-------------------|--------------|
| | US Dollar'000 | Baht'000 | position and performance are as follows: | | | | |
| | THB | THB | | | | | |
| As at 31 December 2021 | | | | Consolidated finance | ial statements | Separate financia | I statements |
| Financial assets | | | Foreign exchange forward contracts | US Dollar'000 | Baht'000 | US Dollar'000 | Baht'000 |
| Cash and cash equivalents | 101,031 | 3,376,449 | | | | | |
| Trade accounts receivable, net | 7,250 | 242,287 | As at 31 December 2021 | | | | |
| Amounts due from related parties | 137,435 | 4,593,068 | Carrying amount - Financial derivative assets | 758 | 25,347 | - | - |
| Short-term loans to related parties | 9,124 | 304,930 | Notional amount | 120,000 | 4,010,388 | - | - |
| Long-term loans to related parties | 784,859 | 26,229,926 | Maturity | | ebruary 2022 | | |
| | | | | to Se | ptember 2022 | - | |
| Financial liabilities | 500.404 | 10,000,000 | Change in intrinsic value of outstanding hedge | (10,007) | (004.470) | | |
| Short-term loans from financial institutions | 592,461 | 19,800,000 | instrument for the year | (10,807) | (361,170) | - | - |
| Accrued interest payable | 20,665 | 690,625 | Change in value of hedged item used to determine hedge effectiveness | 10,807 | 361,170 | | |
| Long-term loans from financial institutions, net | 158,588 | 5,300,000 | Weighted average strike rate for outstanding | 10,007 | 501,170 | - | - |
| Debentures, net | 1,833,339 | 61,270,000 | hedging instruments (including forward points) | ALID 1 | : USD 0.7203 | _ | - |
| Derivative assets | | | | | | | |
| Financial derivative assets applying cash flow hedges | | | As at 31 December 2020 | | | | |
| - Currency and interest rate swaps contracts | 253,153 | 8,460,350 | Carrying amount - Financial derivative assets | 11,020 | 330,996 | - | - |
| As at 21 December 2020 | | | Notional amount | 130,000 | 3,904,823 | - | - |
| As at 31 December 2020 Financial assets | | | Maturity | January | · - March 2021 | - | - |
| | 74.504 | 0.000.000 | Change in intrinsic value of outstanding hedge | | | | |
| Cash and cash equivalents | 74,531 | 2,238,686 | instrument for the year | 10,462 | 314,251 | - | - |
| Trade accounts receivables, net | 16,111 | 483,927 | Change in value of hedged item used to determine | | | | |
| Amounts due from related parties | 121,478 | 3,648,839 | hedge effectiveness | (10,462) | (314,251) | - | - |
| Long-term loans from financial institutions, net | 644,401 | 19,355,924 | Weighted average strike rate for outstanding | | | | |
| Financial liabilities | | | hedging instruments (including forward points) | AUD · | 1: USD 0.7607 | - | - |
| Short-term loans from financial institutions | 503,045 | 15,110,000 | | | | | |
| Long-term from financial institutions, net | 175,583 | 5,274,008 | | | | | |
| Debentures, net | 1,450,290 | 43,562,504 | | | | | |
| Derivative assets | | | | | | | |
| | | | | | | | |
| Financial derivative assets applying cash flow hedges - Currency and interest rate swaps contracts | 348,248 | 10,460,350 | | | | | |
| - Currency and interest rate swaps contracts | 340,240 | 10,400,300 | | | | | |
| Derivative liabilities | | | | | | | |
| Financial derivative liabilities recognised at fair value through profit or loss | | | | | | | |
| - Foreign exchange forward contracts | 65,809 | 1,976,707 | | | | | |

al



| | Consolidated finance | cial statements | Separate financ | ial statements |
|----------------------------------------------------|----------------------|-----------------|--------------------------|----------------|
| Currency and interest rate swaps contracts | US Dollar'000 | Bahť000 | US Dollar'000 | Bahť000 |
| | | | | |
| As at 31 December 2021 | | | | |
| Carrying amount - Financial derivative liabilities | 19,366 | 647,205 | 19,366 | 647,205 |
| Notional amount | 270,735 | 9,044,926 | 270,735 | 9,044,926 |
| Maturity | March 2022 to Se | ptember 2026 | March 2022 to Se | ptember 2026 |
| Change in intrinsic value of outstanding hedge | | | | |
| instrument for the year | (30,628) | (1,023,571) | (30,628) | (1,023,571) |
| Change in value of hedged item used to determine | | | | |
| hedge effectiveness | 30,628 | 1,023,571 | 30,628 | 1,023,571 |
| Weighted average strike rate for outstanding | | | | |
| hedging instruments (including forward points) | USD 1 | : Baht 31.2500 | USD 1 | : Baht 31.2500 |
| Weighted average strike rate for outstanding | | | | |
| hedging instruments (swap rate) | 1.5 | 95% - 6.390% | 1.5 | 95% - 6.390% |
| | | | | |
| As at 31 December 2020 | | | | |
| Carrying amount - Financial derivative assets, net | 4,971 | 149,313 | 4,971 | 149,313 |
| Notional amount | 348,248 | 10,460,350 | 348,248 | 10,460,350 |
| Maturity | April 202 | 1 to April 2026 | April 2021 to April 2026 | |
| Change in intrinsic value of outstanding hedge | | | | |
| instrument for the year | (17,575) | (527,910) | (17,575) | (527,910) |
| Change in value of hedged item used to determine | | | | |
| hedge effectiveness | 17,575 | 527,910 | 17,575 | 527,910 |
| Weighted average strike rate for outstanding | | | | |
| hedging instruments (including forward points) | USD 1 | : Baht 30.6318 | USD 1 | : Baht 30.6318 |
| Weighted average strike rate for outstanding | | | | |
| hedging instruments (swap rate) | | 4.82% | | 4.82% |

Sensitivity

As shown in the table above, the Group is primarily exposed to changes in US Dollar and Baht exchange rates and Australian Dollar and US Dollar. The sensitivity of profit or loss to changes in the exchange rates arises mainly from financial assets and financial liabilities and the impact on other components of equity arises from foreign forward exchange contracts and certain financial liabilities designated as cash flow hedges. Foreign exchange exposure in other currencies do not have material impact to the Group.

| | Consolidated financial statements | | | | |
|---------------------------------|-----------------------------------|-----------------|---------------|-----------------|--|
| | | US Dollar'000 | | Baht'000 | |
| | | Impact to other | | Impact to other | |
| | Impact to | components of | Impact to net | components of | |
| | net profit before | equity before | profit before | equity before | |
| | income tax | income tax | income tax | income tax | |
| As at 31 December 2021 | | | | | |
| US Dollar to Baht exchange rate | | | | | |
| - Increase 5%* | 69,250 | - | 2,314,317 | - | |
| - Decrease 5%* | (74,782) | - | (2,499,210) | - | |
| Australian Dollar to US Dollar | | | | | |
| - Increase 5%* | 7,515 | 5,714 | 251,134 | 190,955 | |
| - Decrease 5%* | (8,306) | (6,315) | (277,570) | (211,055) | |
| As at 31 December 2020 | | | | | |
| US Dollar to Baht exchange rate | | | | | |
| - Increase 5%* | 35,447 | - | 1,064,737 | - | |
| - Decrease 5%* | (38,627) | - | (1,160,249) | - | |
| Australian Dollar to US Dollar | | | | | |
| - Increase 5%* | 1,721 | 17,790 | 51,706 | 534,359 | |
| - Decrease 5%* | (1,903) | (19,663) | (57,148) | (590,607) | |





Instruments used by the Group

The Group entered interest rate swaps covering approximately 15% of the variable loan principal outstanding (2020: 35%). The fixed interest rates of the swaps range between 1.17% and 3.42% per annum (2020: 2.62% to 2.78% per annum), and the variable rates of the loans are between 1.55% and 5.85% (2020: 1.25% to 5.36% per annum) at the end of the reporting period.

The swap contracts require settlement of net interest receivable or payable between 90-180 days. The settlement dates coincide with the dates on which interest is payable on the underlying debt.

The effects of the interest rate-related hedging instruments on the Group and the Company's financial position and performance are as follows:

Cons

US

Interest rate swaps

As at 31 December 2021 Carrying amount - Financial derivative liabilities, net Notional amount Maturity

Change in intrinsic value of outstanding hedge instrument for the year Change in value of hedged item used to determine hedge effectiveness Weighted average strike rate for outstanding hedging instruments (swap rate)

As at 31 December 2020

Carrying amount - Financial derivative liabilities Notional amount Maturity Change in intrinsic value of outstanding hedge instrument for the year Change in value of hedged item used to determine hedge effectiveness Weighted average strike rate for outstanding hedging instruments (swap rate)

The impact of interest rate hedging instruments on the Group's financial position and performance by entering currency and interest rate swap contracts was disclosed in Note 5.1.1 a) with the hedging of foreign exchange rate risk.

| | | | Separate fi | nancial statements |
|---------------------------------|---------------|-----------------|---------------|--------------------|
| | | US Dollar'000 | | Baht'000 |
| | | Impact to other | | Impact to other |
| | Impact to net | components of | Impact to net | components of |
| | profit before | equity before | profit before | equity before |
| | income tax | income tax | income tax | income tax |
| As at 31 December 2021 | | | | |
| US Dollar to Baht exchange rate | | | | |
| - Increase 5%* | 62,819 | - | 2,099,404 | - |
| - Decrease 5%* | (69,432) | - | (2,320,394) | - |
| | | | | |

As at 31 December 2020

US Dollar to Baht exchange rate

| - Increase 5%* | 48,576 | - | 1,459,079 |
|----------------|----------|---|-------------|
| - Decrease 5%* | (53,138) | - | (1,596,108) |

* Holding all other variables constant

b) Cash flow and fair value interest rate risk

The Group manages interest rate risk by closely monitoring the trend of interest rates in the world's markets as well as in Thailand. The Group allocates its debt portfolio in either short- and long-term contracts or loans with fixed and floating interest rates corresponding to their types of investments. The Company has chosen financial instruments to create an alternative source of funding and to manage its financial structure properly in which it invests. For example, interest rate swaps are being used to manage the proportion of fixed interest rates necessary to meet the market trends.

Following interest rate benchmark reform, there will be cessation in several benchmark interest rates including LIBOR, which is applied by the Group as part of the variable rate calculation. The management is in the process of discussing with the financial institutions to use another benchmark interest rate for the loan agreements and related financial instruments. However, as at 31 December 2021, the impact of such change is immaterial to the Group.

The exposure of the Group's long-term loans and debentures to interest rate changes at the end of the reporting period is provided Note 24 and 25, respectively.

| olidated fina | ated financial statements Separate financial statem | | |
|---------------|-----------------------------------------------------|---------------|----------------|
| Dollar'000 | Bahť000 | US Dollar'000 | Bahť000 |
| | | | |
| 6,495 | 217,068 | 6,430 | 214,879 |
| 407,557 | 13,620,510 | 376,100 | 12,569,224 |
| | March 2022 | | March 2022 |
| to S | eptember 2027 | to Se | eptember 2027 |
| | | | |
| 19,431 | 649,398 | 19,496 | 650,986 |
| | | | |
| (19,431) | (649,398) | (19,496) | (650,986) |
| | | | |
| | 1.17% - 3.42% | | 1.17% - 3.42% |
| | | | |
| 28,318 | 850,601 | 25,927 | 778,773 |
| 918,560 | 27,590,879 | 827,000 | 24,840,682 |
| June 20 |)21 - June 2025 | June 202 | 21 - June 2025 |
| | | | |
| (8,433) | (253,297) | (7,307) | (219,474) |
| | | | |
| 8,433 | 253,297 | 7,307 | 219,474 |
| | | | |
| | 2.62% - 2.78% | | 2.78% |



Statement of Cash Flows

Sensitivity

Profit or loss is sensitive to higher or lower interest expenses from borrowings as a result of changes in interest rates from variable interest rate loan. Other components of equity changes as a result of an increase or decrease in the fair value of the cash flow hedges of interest rate swaps.

| | Consolidated financial statements | | | |
|---------------------------------|-----------------------------------|-----------------|---------------|-----------------|
| | | US Dollar'000 | | Baht'000 |
| | | Impact to other | | Impact to other |
| | Impact to net | components of | Impact to net | components of |
| | profit before | equity before | profit before | equity before |
| | income tax | income tax | income tax | income tax |
| | | | | |
| As at 31 December 2021 | | | | |
| - Interest rates increase 0.1%* | (2,269) | 645 | (81,079) | 21,546 |
| - Interest rates decrease 0.1%* | 2,186 | (624) | 81,079 | (20,867) |
| | | | | |
| As at 31 December 2020 | | | | |
| - Interest rates increase 0.1%* | (2,727) | 1,064 | (81,914) | 31,960 |
| - Interest rates decrease 0.1%* | 2,730 | (1,067) | 82,009 | (32,048) |

| | Separate financial statements | | | | |
|---------------------------------|-------------------------------|-----------------|---------------|-----------------|--|
| | | US Dollar'000 | | Baht'000 | |
| | | Impact to other | | Impact to other | |
| | Impact to net | components of | Impact to net | components of | |
| | profit before | equity before | profit before | equity before | |
| | income tax | income tax | income tax | income tax | |
| | | | | | |
| As at 31 December 2021 | | | | | |
| - Interest rates increase 0.1%* | (1,871) | 645 | (62,515) | 21,546 | |
| - Interest rates decrease 0.1%* | 1,871 | (624) | 62,515 | (20,867) | |
| | | | | | |
| As at 31 December 2020 | | | | | |
| - Interest rates increase 0.1%* | (2,058) | 989 | (61,813) | 29,713 | |

(992)

61,908

(29,807)

2,061

c) Price risk

> The Group is exposed to coal price risk, fuel price and natural gas price risks from substantial fluctuations in the world market price. The Group uses coal swap contracts, fuel swap contracts, natural gas swap and option contracts and natural gas liquids swap contracts to minimise its exposure to fluctuations in its business operations.

> In addition, the Group is exposed to electricity price risk in the United States and Australia since the spot price depends on demand and supply in the market and other factors, such as cost of fuel for electricity generation. The Group entered into electricity forward contracts and electricity swaption to maintain the ability to generate income.

Significant contracts

Coal swap contracts

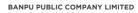
As at 31 December 2021, the Group has outstanding coal swap contracts with no physical delivery of selling and buying side of 105,000 tons at the average selling price of US Dollar 134.29 per ton. The contracts are due within 1 year.

Natural gas swap, options and natural gas liquids contracts

As at 31 December 2021, the Group has outstanding natural gas swap and options contracts of 208,050,000 MMBTU at the average selling price of US Dollar 3.20 per MMBTU and natural gas liquids swap contracts of 3,741,000 BBL at the average selling price of US Dollar 25.05 per BBL. The contracts are due between 1 - 2 years.

- Interest rates decrease 0.1%*

* Holding all other variables constant



Sensitivity

| | | | Consolidated fin | ancial statements |
|---------------------------------|---------------|-----------------|------------------|-------------------|
| | | US Dollar'000 | | Bahť000 |
| | | Impact to other | | Impact to other |
| | Impact to net | components of | Impact to net | components of |
| | profit before | equity before | profit before | equity before |
| | income tax | income tax | income tax | income tax |
| As at 31 December 2021 | | | | |
| Coal prices | | | | |
| - Increase 5%* | _ | (661) | - | (22,076) |
| - Decrease 5%* | _ | 661 | - | 22,076 |
| | | 001 | | 22,010 |
| Oil and natural gas prices | | | | |
| - Increase 5%* | (314) | (15,169) | (10,496) | (506,930) |
| - Decrease 5%* | 314 | 15,169 | 10,496 | 506,930 |
| | | | | |
| Forward electricity price curve | | | | |
| - Increase 5%* | (3,009) | (1,657) | (100,570) | (55,368) |
| - Decrease 5%* | 2,998 | 1,656 | 100,206 | 55,344 |
| | | | | |
| As at 31 December 2020 | | | | |
| Coal prices | | | | |
| - Increase 5%* | - | (356) | - | (10,694) |
| - Decrease 5%* | - | 356 | - | 10,694 |
| Oil and natural gas prices | | | | |
| - Increase 5%* | (13,075) | (502) | (392,747) | (15,083) |
| - Decrease 5%* | 13,264 | 502 | 398,420 | 15,083 |

* Holding all other variables constant

5.1.2 Credit risk

Risk management a)

The Group has no significant concentrations of credit risk. The Group has policies in place to ensure that sales of goods and services are made to customers with an appropriate credit history. Derivative counter parties and cash transactions are limited to high credit quality financial institutions. The Group has policies that limit the amount of credit exposure to any financial institutions.

Impairment of financial assets b)

The Group and the Company has financial assets that are subject to the expected credit loss model as follow:

- Cash and cash equivalents
- Trade accounts receivable
- Amount due from related parties
- Short-term loans to related parties and other companies -
- Dividend receivables from related parties -
- Long-term loan to related parties -

financial assets is not material.

5.1.3 Liquidity risk

Prudent liquidity risk management implies maintaining sufficient cash and marketable securities, the availability of funding through an adequate amount of credit facilities and the ability to close out market positions. Due to the dynamic nature of the underlying business, Group Treasury aims at maintaining flexibility in funding by keeping credit lines available.

Financial assets measured at amortised cost and fair value through other comprehensive income Loss allowance for trade accounts receivable and is provided in Note 11. Loss allowance for other





Statement of Cash Flows

The tables below analyse the maturity of financial liabilities and financial derivative liabilities, net grouping based on their contractual maturities. The amounts disclosed are the contractual undiscounted cash flows including notional and interest.

| | | | | | | Cor | nsolidated finance | cial statements |
|----------------------------------------------|---------------|-------------|--------------|---------------|-------------------------|-------------|--------------------|-----------------|
| | | | ι | JS Dollar'000 | | | | Baht'000 |
| | Within 1 year | 1 - 5 years | Over 5 years | Total | Within 1 year | 1 - 5 years | Over 5 years | Tota |
| | | | | | | | | |
| As at 31 December 2021 | | | | | | | | |
| Non-derivative financial instruments | 1 270 200 | | | 1 070 000 | 45 000 470 | | | 45 000 47 |
| Short-term loans from financial institutions | 1,376,200 | - | - | 1,376,200 | 45,992,478 | - | - | 45,992,478 |
| Frade accounts payable | 98,547 | - | - | 98,547 | 3,293,416 15,211,044 | - | - | 3,293,41 |
| Other current liabilities | 455,149 | - | - | 455,149 | | - | - | 15,211,04 |
| ong-term loans from financial institutions | 560,676 | 1,737,171 | 828,592 | 3,126,439 | 18,737,720 | 58,056,091 | 27,691,461 | 104,485,27 |
| Debentures | 128,132 | 843,518 | 1,479,663 | 2,451,313 | 4,282,163 | 28,190,291 | 49,450,204 | 81,922,65 |
| ease liabilities | 26,483 | 13,341 | 4,363 | 44,187 | 885,073 | 445,871 | 145,795 | 1,476,73 |
| Other non-current liabilities | - | 235,036 | - | 235,036 | - | 7,854,889 | - | 7,854,88 |
| otal non-derivative financial instruments | 2,645,187 | 2,829,066 | 2,312,618 | 7,786,871 | 88,401,894 | 94,547,142 | 77,287,460 | 260,236,49 |
| inancial derivative liabilities | | | | | | | | |
| erivatives recognised at FVPL | | | | | | | | |
| Interest rate swap contracts | 4,303 | 9,110 | - | 13,413 | 143,817 | 304,441 | - | 448,25 |
| Electricity forward contracts | 4,412 | - | - | 4,412 | 147,448 | - | - | 147,44 |
| Oil and gas swap contracts | - | 6,281 | - | 6,281 | - | 209,921 | - | 209,92 |
| erivatives applying cash flow hedges | | | | | | | | |
| interest rate swap contracts | 3,230 | 3,532 | - | 6,762 | 107,943 | 118,034 | - | 225,97 |
| Currency and interest rate swap contracts | 2,817 | 16,286 | - | 19,103 | 94,156 | 544,292 | - | 638,44 |
| Coal swap contracts | 25,374 | - | - | 25,374 | 847,963 | - | - | 847,96 |
| Dil and gas swap contracts | 91,156 | 17,381 | - | 108,537 | 3,046,435 | 580,866 | - | 3,627,30 |
| tal financial derivative liabilities | 131,292 | 52,590 | - | 183,882 | 4,387,762 | 1,757,554 | - | 6,145,31 |
| s at 31 December 2020 | | | | | | | | |
| on-derivative financial instruments | | | | | | | | |
| nort-term loans from financial institutions | 832,231 | - | - | 832,231 | 24,997,816 | - | - | 24,997,81 |
| rade accounts payable | 67,425 | - | - | 67,425 | 2,025,238 | - | - | 2,025,23 |
| ther current liabilities | 231,382 | - | - | 231,382 | 6,950,049 | - | - | 6,950,04 |
| ong-term loans from financial institutions | 720,268 | 1,967,303 | 501,602 | 3,189,173 | 21,634,753 | 59,092,090 | 15,066,665 | 95,793,50 |
| ebentures | 152,791 | 691,845 | 1,159,511 | 2,004,147 | 4,589,411 | 20,781,024 | 35,828,362 | 61,198,79 |
| ease liabilities | 34,381 | 10,668 | 7,036 | 52,085 | 1,032,871 | 320,439 | 211,338 | 1,564,64 |
| ther non-current liabilities | - | 66,300 | 152 | 66,452 | - | 1,991,462 | 4,572 | 1,996,03 |
| otal non-derivative financial instruments | 2,038,478 | 2,736,116 | 1,668,301 | 6,442,895 | 61,230,138 | 82,185,015 | 51,110,937 | 194,526,09 |
| | | | | | | | | |
| inancial derivative liabilities | | | | | | | | |
| erivatives recognised at FVPL | (000) | | | (000) | (0.004) | | | /0.00 |
| Foreign exchange forward contracts | (296) | - F 470 | - | (296) | (8,891) | - | - | (8,89 |
| Dil and gas swap contracts | (15,499) | 5,170 | - | (10,329) | (465,539) | 155,297 | - | (310,242 |
| electricity forward contracts | (3,074) | - | - | (3,074) | (92,335) | - | - | (92,33 |
| rivatives applying cash flow hedges | (5.000) | /F 40.0 | | (41.010) | (470.007) | (45.4.405) | | (000.00) |
| oreign exchange forward contracts | (5,888) | (5,131) | - | (11,019) | (176,867) | (154,128) | - | (330,99 |
| nterest rate swap contracts | 9,750 | 18,503 | - | 28,253 | 292,862 | 555,790 | - | 848,65 |
| Currency and interest rate swap contracts | (2,541) | (2,577) | (1,140) | (6,258) | (76,325) | (77,400) | (34,237) | (187,96 |
| Coal swap contracts | 10,374 | - | - | 10,374 | 311,597 | - | - | 311,59 |
| Oil swap contracts | (1,618) | - | - | (1,618) | (48,601) | - | - | (48,60 |
| otal financial derivative liabilities | (8,792) | 15,965 | (1,140) | 6,033 | (264,099) | 479,559 | (34,237) | 181,2 |

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| | | | | | | | Separate financ | ial statements |
|--------------------------|---------------|-------------|--------------|---------------|---------------|-------------|-----------------|----------------|
| | | | | US Dollar'000 | | | | Baht'000 |
| | Within 1 year | 1 - 5 years | Over 5 years | Total | Within 1 year | 1 - 5 years | Over 5 years | Tota |
| 2021 | | | | | | | | |
| cial instruments | | | | | | | | |
| n financial institutions | 818,730 | - | - | 818,730 | 27,361,863 | - | - | 27,361,86 |
| ble | 2,746 | - | - | 2,746 | 91,758 | - | - | 91,75 |
| es | 9,529 | - | - | 9,529 | 318,442 | - | - | 318,44 |
| n financial institutions | 365,528 | 1,436,906 | 197,433 | 1,999,867 | 12,215,920 | 48,021,269 | 6,598,202 | 66,835,39 |
| | 128,132 | 843,518 | 1,479,663 | 2,451,313 | 4,282,163 | 28,190,291 | 49,450,204 | 81,922,65 |
| | 1,160 | 1,070 | - | 2,230 | 38,793 | 35,748 | - | 74,54 |
| bilities | - | 14,377 | - | 14,377 | - | 480,476 | - | 480,47 |
| inancial instruments | 1,325,825 | 2,295,871 | 1,677,096 | 5,298,792 | 44,308,939 | 76,727,784 | 56,048,406 | 177,085,12 |
| | | | | | | | | |
| abilities | | | | | | | | |
| ash flow hedges | 0.404 | 0.500 | | 0.000 | 405 750 | 110.001 | | 000 70 |
| ontracts | 3,164 | 3,532 | - | 6,696 | 105,753 | 118,034 | - | 223,78 |
| st rate swap contracts | 2,817 | 16,286 | - | 19,103 | 94,156 | 544,292 | - | 638,44 |
| tive liabilities | 5,981 | 19,818 | - | 25,799 | 199,909 | 662,326 | - | 862,23 |
| 2020 | | | | | | | | |
| ial instruments | | | | | | | | |
| n financial institutions | 783,758 | - | - | 783,758 | 23,541,814 | - | - | 23,541,81 |
| ble | 6,378 | - | - | 6,378 | 191,570 | - | - | 191,57 |
| es | 4,254 | - | - | 4,254 | 127,575 | - | - | 127,57 |
| n financial institutions | 448,244 | 1,283,225 | 400,321 | 2,131,790 | 13,463,960 | 38,544,359 | 12,024,491 | 64,032,81 |
| | 201,201 | 691,845 | 1,159,511 | 2,052,557 | 6,043,501 | 20,781,024 | 34,828,362 | 61,652,88 |
| | 1,136 | 2,512 | - | 3,648 | 34,110 | 75,463 | - | 109,57 |
| bilities | - | - | 152 | 152 | - | - | 4,572 | 4,57 |
| inancial instruments | 1,444,971 | 1,977,582 | 1,559,984 | 4,982,537 | 43,402,530 | 59,400,846 | 46,857,425 | 149,660,80 |
| 1 - 11-2 | | | | | | | | |
| abilities | | | | | | | | |
| ed at FVPL | | | | | | | | |
| orward contracts | 603 | - | - | 603 | 18,129 | - | - | 18,12 |
| cash flow hedges | | | | | | | | |
| contracts | 7,424 | 18,503 | - | 25,927 | 222,983 | 555,790 | - | 778,77 |
| st rate swap contracts | (2,541) | (2,577) | (1,140) | (6,258) | (76,325) | (77,400) | (34,237) | (187,96 |
| tive liabilities | 5,486 | 15,926 | (1,140) | 20,272 | 164,787 | 478,390 | (34,237) | 608,94 |

| Financial | derivative | liabilities | |
|-----------|------------|-------------|--|
| | | | |

| | | | | | | | Separate financ | ial statements |
|----------------------------------------------|---------------|-------------|--------------|---------------|---------------|-------------|-----------------|----------------|
| | | | l | JS Dollar'000 | | | | Bahť000 |
| | Within 1 year | 1 - 5 years | Over 5 years | Total | Within 1 year | 1 - 5 years | Over 5 years | Total |
| As at 31 December 2021 | | | | | | | | |
| Non-derivative financial instruments | | | | | | | | |
| Short-term loans from financial institutions | 818,730 | - | - | 818,730 | 27,361,863 | - | - | 27,361,863 |
| Trade accounts payable | 2,746 | - | - | 2,746 | 91,758 | - | - | 91,758 |
| Other current liabilities | 9,529 | - | - | 9,529 | 318,442 | - | - | 318,442 |
| Long-term loans from financial institutions | 365,528 | 1,436,906 | 197,433 | 1,999,867 | 12,215,920 | 48,021,269 | 6,598,202 | 66,835,391 |
| Debentures | 128,132 | 843,518 | 1,479,663 | 2,451,313 | 4,282,163 | 28,190,291 | 49,450,204 | 81,922,658 |
| Lease liabilities | 1,160 | 1,070 | - | 2,230 | 38,793 | 35,748 | - | 74,541 |
| Other non-current liabilities | - | 14,377 | - | 14,377 | - | 480,476 | - | 480,476 |
| Total non-derivative financial instruments | 1,325,825 | 2,295,871 | 1,677,096 | 5,298,792 | 44,308,939 | 76,727,784 | 56,048,406 | 177,085,129 |
| Financial derivative liabilities | | | | | | | | |
| Derivatives applying cash flow hedges | | | | | | | | |
| - Interest rate swap contracts | 3,164 | 3,532 | _ | 6,696 | 105,753 | 118,034 | _ | 223,787 |
| - Currency and interest rate swap contracts | 2,817 | 16,286 | _ | 19,103 | 94,156 | 544,292 | _ | 638,448 |
| Total financial derivative liabilities | 5,981 | 19,818 | - | 25,799 | 199,909 | 662,326 | - | 862,235 |
| | | | | | | | | |
| As at 31 December 2020 | | | | | | | | |
| Non-derivative financial instruments | | | | | | | | |
| Short-term loans from financial institutions | 783,758 | - | - | 783,758 | 23,541,814 | - | - | 23,541,814 |
| Trade accounts payable | 6,378 | - | - | 6,378 | 191,570 | - | - | 191,570 |
| Other current liabilities | 4,254 | - | - | 4,254 | 127,575 | - | - | 127,575 |
| Long-term loans from financial institutions | 448,244 | 1,283,225 | 400,321 | 2,131,790 | 13,463,960 | 38,544,359 | 12,024,491 | 64,032,810 |
| Debentures | 201,201 | 691,845 | 1,159,511 | 2,052,557 | 6,043,501 | 20,781,024 | 34,828,362 | 61,652,887 |
| Lease liabilities | 1,136 | 2,512 | - | 3,648 | 34,110 | 75,463 | - | 109,573 |
| Other non-current liabilities | - | - | 152 | 152 | - | - | 4,572 | 4,572 |
| Total non-derivative financial instruments | 1,444,971 | 1,977,582 | 1,559,984 | 4,982,537 | 43,402,530 | 59,400,846 | 46,857,425 | 149,660,801 |
| Financial derivative liabilities | | | | | | | | |
| Derivatives recognised at FVPL | | | | | | | | |
| - Foreign exchange forward contracts | 603 | - | - | 603 | 18,129 | - | - | 18,129 |
| Derivatives applying cash flow hedges | | | | | | | | |
| - Interest rate swap contracts | 7,424 | 18,503 | - | 25,927 | 222,983 | 555,790 | - | 778,773 |
| - Currency and interest rate swap contracts | (2,541) | (2,577) | (1,140) | (6,258) | (76,325) | (77,400) | (34,237) | (187,962) |
| Total financial derivative liabilities | 5,486 | 15,926 | (1,140) | 20,272 | 164,787 | 478,390 | (34,237) | 608,940 |
| | | | | | | | | |

Management monitors rolling forecasts of the Group's liquidity reserve cash and cash equivalents and undrawn borrowing facilities on the basis of expected cash flows. In addition, the Group's liquidity management policy involves projecting cash flows in major currencies and considering the level of liquid assets and maintaining financing plans.



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5.1.4 Derivatives

The Group and the Company has financial derivatives in the statement of financial position as below:

| | | | | | | Conso | lidated financia | l statements |
|-------------------------------------------|--------|--------------|-------------|-------------|--------|--------------|------------------|--------------|
| | | | As at 31 De | cember 2021 | | | As at 31 Dec | ember 2020 |
| | U | S Dollar'000 | | Bahť000 | U | S Dollar'000 | | Bahť000 |
| | Assets | Liabilities | Assets | Liabilities | Assets | Liabilities | Assets | Liabilities |
| Current | | | | | | | | |
| Financial derivative recognised at | | | | | | | | |
| fair value through profit or loss | | | | | | | | |
| Electricity swaption | 4,038 | - | 134,999 | - | - | - | - | - |
| Foreign exchange rate forward | 300 | - | 10,029 | - | 926 | 603 | 27,802 | 18,129 |
| Natural gas swap | 1,549 | - | 51,778 | - | 15,484 | - | 465,102 | |
| Interest rate swap | - | 3,124 | - | 104,411 | - | - | - | |
| Electricity forward contracts | - | 4,412 | - | 147,448 | 3,074 | - | 92,335 | |
| Derivative financial instruments used for | | | | | | | | |
| hedging - cash flow hedge | | | | | | | | |
| Electricity swaption | 2,844 | - | 95,038 | - | - | - | - | |
| Interest rate swap | - | 3,199 | - | 106,928 | - | 9,750 | - | 292,861 |
| Cross currency and interest rate swap | - | 855 | - | 28,571 | 2,971 | - | 89,225 | |
| Foreign exchange rate forward | 758 | - | 25,347 | - | 5,889 | - | 176,868 | |
| Coal swap | 1,513 | 25,374 | 50,566 | 847,963 | - | 10,374 | - | 311,597 |
| Natural gas swap | 9,988 | 91,156 | 333,737 | 3,046,434 | - | - | - | |
| uel swap | - | - | - | - | 1,617 | - | 48,601 | |
| Total current financial derivatives | 20,990 | 128,120 | 701,494 | 4,281,755 | 29,961 | 20,727 | 899,933 | 622,587 |
| Non-current | | | | | | | | |
| Financial derivative recognised at | | | | | | | | |
| fair value through profit or loss | | | | | | | | |
| Varrants | 120 | - | 4,012 | | | | | |
| | 37,550 | - | 1,254,882 | - | - | - | - | |
| Electricity swaption | 57,550 | | 1,204,002 | - 221,024 | - | - | - | |
| Interest rate swap | - | 6,614 | | | - | - | | 155.007 |
| Natural gas swap | - | 6,281 | - | 209,921 | 15 | 5,170 | 437 | 155,297 |
| Derivative financial instruments used for | | | | | | | | |
| hedging - cash flow hedge | | | | | | | | |
| Electricity swaption | 25,356 | - | 847,404 | - | - | - | - | - |
| nterest rate swap | 693 | 3,989 | 23,169 | 133,309 | - | 18,568 | - | 557,740 |
| oreign exchange rate forward | - | - | - | - | 5,131 | - | 154,128 | |
| Cross currency and interest rate swap | - | 18,511 | - | 618,634 | 4,245 | 2,245 | 127,509 | 67,421 |
| Natural gas swap | - | 17,381 | - | 580,866 | - | - | - | |
| Total non-current financial derivatives | 63,719 | 52,776 | 2,129,467 | 1,763,754 | 9,391 | 25,983 | 282,078 | 780,458 |
| Total financial derivatives | 84,709 | 180,896 | 2,830,961 | 6,045,509 | 39,352 | 46,710 | 1,182,011 | 1,403,045 |
| | 04,103 | 100,030 | 2,000,001 | 0,040,000 | 00,002 | -10,710 | 1,102,011 | 1,703,043 |

| | | | | | | S | eparate financi | al statement |
|-------------------------------------------|--------|--------------|--------------|-------------|--------|--------------|-----------------|--------------|
| | | ŀ | As at 31 Dec | ember 2021 | | 1 | As at 31 Dece | ember 2020 |
| | U | S Dollar'000 | | Baht'000 | US | 6 Dollar'000 | | Baht'000 |
| | Assets | Liabilities | Assets | Liabilities | Assets | Liabilities | Assets | Liabilities |
| Current | | | | | | | | |
| Financial derivative recognised at | | | | | | | | |
| fair value through profit or loss | | | | | | | | |
| Interest rate swap | - | - | - | - | 26 | 603 | 782 | 18,129 |
| | | | | | | | | |
| Derivative financial instruments used for | | | | | | | | |
| hedging - cash flow hedge | | | | | | | | |
| Interest rate swap | - | 3,134 | - | 104,739 | - | 7,424 | - | 222,982 |
| Cross currency and interest rate swap | - | 855 | - | 28,571 | 2,971 | - | 89,226 | - |
| Total current financial derivatives | - | 3,989 | - | 133,310 | 2,997 | 8,027 | 90,008 | 241,111 |
| | | | | | | | , | |
| Non-current | | | | | | | | |
| Financial derivative recognised at | | | | | | | | |
| fair value through profit or loss | | | | | | | | |
| Warrants | 120 | _ | 4,012 | _ | _ | - | _ | - |
| Interest rate swap | 120 | | 4,012 | | | | 4 | |
| | - | - | - | | - | - | 4 | - |
| | | | | | | | | |
| Derivative financial instruments used for | | | | | | | | |
| hedging - cash flow hedge | | | | | | | | |
| Interest rate swap | 693 | 3,989 | 23,169 | 133,309 | - | 18,503 | - | 555,791 |
| Cross currency and interest rate swap | - | 18,511 | - | 618,634 | 4,245 | 2,245 | 127,508 | 67,420 |
| Total non-current financial derivatives | 813 | 22,500 | 27,181 | 751,943 | 4,245 | 20,748 | 127,512 | 623,211 |
| | | | | | | | | |
| | | 26,489 | 27,181 | 885,253 | 7,242 | 28,775 | 217,520 | 864,322 |

Classi a)

Derivatives are for the purpose of hedging against economic risks, not for speculation. The Group applies hedge accounting for certain derivatives. This qualifies as a cash flow hedge instrument with a hedge ratio based on the relationship of the underlying risk variables between the hedged item and the hedging instrument. However, if a derivative contract does not meet the criteria for hedge accounting, it is classified as held for trading and measured at fair value through profit or loss.

The Group presents fair value of derivative contracts as current and non-current based on each maturity of hedged items.

Fair value of derivatives is classified as a current or non-current following its remaining maturity.

The Group accounting policies for cash flow hedges are disclosed in Note 4.24 and the additional information for derivatives are disclosed in Note 6.



b) Fair value measurement

Method and assumptions used for fair valuation estimate of derivatives are disclosed in Note 6.

Hedge effectiveness c)

Hedge effectiveness is determined at the inception of the hedge relationship, and through periodic prospective effectiveness assessments, to ensure that an economic relationship exists between the hedged item and hedging instrument.

Hedges of foreign currency

For hedges of foreign currency, the Group enters hedge relationships where the critical terms of the hedging instrument match with the terms of the hedged item. The Group therefore performs a qualitative assessment of effectiveness. If changes in circumstances affect the terms of the hedged item such that the critical terms no longer match exactly with the critical terms of the hedging instrument, the Group uses the hypothetical derivative method to assess effectiveness.

In hedges of foreign currency, ineffectiveness may arise if the timing of the forecast transaction changes from what was originally estimated, or if there are changes in the credit risk of the derivative counterparty.

Hedges of interest rate

The Group enters interest rate swaps that have similar critical terms as the hedged item, such as reference rate, reset dates, payment dates, maturities, and notional amount. The Group does not hedge all of its loans; therefore, the hedged item is identified as a proportion of the outstanding loans up to the notional amount of the swaps. As all critical terms matched during the year, there is an economic relationship.

Hedge ineffectiveness for interest rate swaps is assessed using the same principles as for hedges of foreign currency purchases. It may occur due to the credit value/debit value adjustment on the interest rate swaps which is not matched by the loan, and differences in critical terms between the interest rate swaps and loans.

d) Hedging reserve

Hedging reserves comprise hedging costs and cash flow hedge reserves. The cash flow hedge reserve is used to recognise gain/loss relating to the effective portion of the change in fair value of the derivatives for which hedge accounting is applied.

Hedging reserves are listed in other components of equity, which consists of the following hedging instruments.

| | | | | Consolidated fina | incial statements |
|-------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| | | | | | US Dollar'000 |
| Electricity | | | Currency and | | |
| Swaption | Natural gas | Coal price swap | interest rate | Interest rate | Total hedge |
| contracts | swap contracts | contracts | swap contracts | swap contracts | reserve |
| | | | | | |
| - | - | (102) | (48,468) | (2,232) | (50,802) |
| | | | | | |
| | | | | | |
| - | - | (11,918) | (3,731) | 9,395 | (6,254) |
| | | | | | |
| - | - | 1,264 | 14,398 | (16,197) | (535) |
| - | - | 2,445 | (5,082) | 1,618 | (1,019) |
| - | - | (8,311) | (42,883) | (7,416) | (58,610) |
| | | | | | |
| | | | | | |
| 7,729 | (389,473) | (212,340) | (2,996) | 30,557 | (566,523) |
| | | | | | |
| (4,043) | 244,781 | 199,251 | 15,182 | 19,337 | 474,508 |
| (1,106) | 32,998 | 2,600 | 2,633 | (5,358) | 31,767 |
| 2,580 | (111,694) | (18,800) | (28,064) | 37,120 | (118,858) |
| | Swaption contracts - - - - - - - - - - - - - - - - - - - | Swaption Natural gas swap contracts contracts swap contracts - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - </td <td>Swaption contracts Natural gas swap contracts Coal price swap contracts - swap contracts contracts - - (102) - - (11,918) - - 1,264 - - 2,445 - - (8,311) 7,729 (389,473) (212,340) (4,043) 244,781 199,251 (1,106) 32,998 2,600</td> <td>Swaption contracts Natural gas swap contracts Coal price swap contracts interest rate swap contracts - </td> <td>Electricity Natural gas Coal price swap Interest rate Interest rate contracts swap contracts contracts swap contracts swap contracts - - (102) (48,468) (2,232) - - (11,918) (3,731) 9,395 - - 1,264 14,398 (16,197) - 2,445 (5,082) 1,618 - - (8,311) (42,883) (7,416) 7,729 (389,473) (212,340) (2,996) 30,557 (4,043) 244,781 199,251 15,182 19,337 (1,106) 32,998 2,600 2,633 (5,358)</td> | Swaption contracts Natural gas swap contracts Coal price swap contracts - swap contracts contracts - - (102) - - (11,918) - - 1,264 - - 2,445 - - (8,311) 7,729 (389,473) (212,340) (4,043) 244,781 199,251 (1,106) 32,998 2,600 | Swaption contracts Natural gas swap contracts Coal price swap contracts interest rate swap contracts - | Electricity Natural gas Coal price swap Interest rate Interest rate contracts swap contracts contracts swap contracts swap contracts - - (102) (48,468) (2,232) - - (11,918) (3,731) 9,395 - - 1,264 14,398 (16,197) - 2,445 (5,082) 1,618 - - (8,311) (42,883) (7,416) 7,729 (389,473) (212,340) (2,996) 30,557 (4,043) 244,781 199,251 15,182 19,337 (1,106) 32,998 2,600 2,633 (5,358) |

| | | | | | Consolidated finar | icial statements |
|----------------------------------------|-------------|----------------|-----------------|----------------|--------------------|------------------|
| | | | | | | Bahť000 |
| | Electricity | | | Currency and | | |
| | Swaption | Natural gas | Coal price swap | interest rate | Interest rate | Total hedge |
| Cash flow hedge reserves | contracts | swap contracts | contracts | swap contracts | swap contracts | reserve |
| | | | | | | |
| Opening balance as at 1 January 2020 | - | - | (3,086) | (1,461,469) | (67,287) | (1,531,842) |
| Add: Change in fair value of hedging | | | | | | |
| instrument recognised in | | | | | | |
| other comprehensive income | - | - | (351,274) | (107,177) | 281,283 | (177,168) |
| Less: Reclassification from other | | | | | | |
| comprehensive income to profit or loss | - | - | 39,543 | 450,571 | (506,856) | (16,742) |
| Less: Deferred tax | - | - | 71,848 | (152,649) | 46,082 | (34,719) |
| Closing balance as at 31 December 2020 | - | - | (242,969) | (1,270,724) | (246,778) | (1,760,471) |
| Add: Change in fair value of hedging | | | | | | |
| instrument recognised in | | | | | | |
| other comprehensive income | 253,005 | (12,678,803) | (6,844,939) | (671,623) | 1,050,620 | (18,891,740) |
| Less: Reclassification from other | | | | | | |
| comprehensive income to profit or loss | (129,270) | 7,827,390 | 6,371,477 | 915,197 | 618,322 | 15,603,116 |
| Less: Deferred tax | (37,492) | 1,118,619 | 88,131 | 89,246 | (181,629) | 1,076,875 |
| Closing balance as at 31 December 2021 | 86,243 | (3,732,794) | (628,300) | (937,904) | 1,240,535 | (3,972,220) |



| | | | | | Separate finar | icial statements |
|----------------------------------------|----------------|----------------|---------------|----------------|----------------|------------------|
| | | | US Dollar'000 | | | Bahť000 |
| | Currency and | | | Currency and | | |
| | interest rate | Interest rate | Total hedge | interest rate | Interest rate | Total hedge |
| Cash flow hedge reserves | swap contracts | swap contracts | reserve | swap contracts | swap contracts | reserve |
| | | | | | | |
| Opening balance as at 1 January 2020 | 5,123 | (6,792) | (1,669) | 154,404 | (204,733) | (50,329) |
| Add: Change in fair value of hedging | | | | | | |
| instrument recognised in | | | | | | |
| other comprehensive income | (27,824) | 6,376 | (21,448) | (856,310) | 205,950 | (650,360) |
| Less: Reclassification from | | | | | | |
| other comprehensive income | | | | | | |
| to profit or loss | 18,786 | (13,680) | 5,106 | 583,579 | (424,968) | 158,611 |
| Less: Deferred tax | 3,490 | 1,623 | 5,113 | 105,547 | 49,098 | 154,645 |
| Closing balance as at 31 December 2020 | (425) | (12,473) | (12,898) | (12,780) | (374,653) | (387,433) |
| Add: Change in fair value of hedging | | | | | | |
| instrument recognised in | | | | | | |
| other comprehensive income | 9,354 | 2,418 | 11,772 | 321,675 | 53,130 | 374,805 |
| Less: Reclassification from | | | | | | |
| other comprehensive income | | | | | | |
| to profit or loss | (4,896) | 17,078 | 12,182 | (149,743) | 545,352 | 395,609 |
| Less: Deferred tax | 6,151 | (3,698) | 2,453 | 181,144 | (112,672) | 68,472 |
| Closing balance as at 31 December 2021 | 10,184 | 3,325 | 13,509 | 340,296 | 111,157 | 451,453 |

Amounts recognised in profit of loss e)

In addition to the amounts disclosed in the reconciliation of hedging reserves in d) above, the following amounts were recognised in profit or loss in relation to derivatives:

| | Consolidated financ | ial statements | nts Separate financial statement | | | |
|----------------------------------------|---------------------|----------------|----------------------------------|----------|--|--|
| | US Dollar'000 | Bahť 000 | US Dollar'000 | Bahť000 | | |
| For the year ended 31 December 2021 | | | | | | |
| Net gains on foreign currency forwards | | | | | | |
| not qualifying as hedges included in | | | | | | |
| net gains (losses) from changes in | | | | | | |
| fair value of financial instruments | 29,338 | 938,219 | 697 | 17,427 | | |
| For the year ended 31 December 2020 | | | | | | |
| Net gains (losses) on foreign currency | | | | | | |
| forwards not qualifying as hedges | | | | | | |
| included in net gains (losses) from | | | | | | |
| changes in fair value of financial | | | | | | |
| instruments | 23,216 | 727,605 | (591) | (19,861) | | |
| | | | | | | |

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5.2 Capital risk management

The Group's objectives when managing capital are to safeguard the Group's ability to continue as a going concern, so that they can continue to provide returns for shareholders and benefits for other stakeholders and to maintain an optimal capital structure to reduce the cost of capital.

To maintain or adjust the capital structure, the Group may adjust the amounts of dividends paid to shareholders, return capital to shareholders, issue new shares, or sell assets to reduce debt.



6. Fair value

The following table presents financial assets and liabilities that are measured at fair value, also stated fair value of each financial assets and liabilities, excluding financial assets and financial liabilities measured at amortised cost where the carrying value approximates fair value.

| | Consolidated financial statements | | | | | | | | |
|-----------------------------------------------------------------------------|-----------------------------------|---------|---------|--------------|---------|-----------|-----------|-----------|--|
| | | | U | S Dollar'000 | | | | Bahť000 | |
| As at 31 December 2021 | Level 1 | Level 2 | Level 3 | Total | Level 1 | Level 2 | Level 3 | Total | |
| Financial assets | | | | | | | | | |
| Financial derivative assets recognised at fair value through profit or loss | | | | | | | | | |
| - Electricity swaption | - | - | 41,588 | 41,588 | - | - | 1,389,881 | 1,389,881 | |
| - Foreign exchange rate forward | - | 300 | - | 300 | - | 10,029 | - | 10,029 | |
| - Natural gas swap | - | 1,549 | - | 1,549 | - | 51,778 | - | 51,778 | |
| - Warrant | 120 | - | - | 120 | 4,012 | - | - | 4,012 | |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | | |
| - Foreign exchange rate forward | - | 758 | - | 758 | - | 25,347 | - | 25,347 | |
| - Coal price swap | - | 1,513 | - | 1,513 | - | 50,566 | - | 50,566 | |
| - Interest rate swap | - | 693 | - | 693 | - | 23,169 | - | 23,169 | |
| - Electricity swaption | - | - | 28,200 | 28,200 | - | - | 942,442 | 942,442 | |
| - Natural gas swap | - | 9,988 | - | 9,988 | - | 333,737 | - | 333,737 | |
| Financial assets at fair value through profit or loss | | | | | | | | | |
| - Investment in debt instruments | - | 15,687 | - | 15,687 | - | 524,272 | - | 524,272 | |
| - Investment in equity instruments | - | - | 7,727 | 7,727 | - | - | 258,239 | 258,239 | |
| Financial assets at fair value through other comprehensive income | | | | | | | | | |
| - Note receivables | - | 168 | - | 168 | - | 5,600 | - | 5,600 | |
| - Investment in equity instruments | 6,400 | - | 158,024 | 164,424 | 213,884 | - | 5,281,157 | 5,495,041 | |
| Total assets | 6,520 | 30,656 | 235,539 | 272,715 | 217,896 | 1,024,498 | 7,871,719 | 9,114,113 | |

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| | | | | | | Cor | nsolidated financ | al statements |
|----------------------------------------------------------------------------------------|---------|---------|---------|---------------|---------|-----------|-------------------|---------------|
| | | | U | IS Dollar'000 | | | | Baht'000 |
| As at 31 December 2021 | Level 1 | Level 2 | Level 3 | Total | Level 1 | Level 2 | Level 3 | Total |
| Financial liabilities | | | | | | | | |
| Financial derivative liabilities recognised at fair value through profit or loss | | | | | | | | |
| - Interest rate swap | - | 9,738 | - | 9,738 | - | 325,435 | - | 325,435 |
| - Natural gas swap | - | 6,281 | - | 6,281 | - | 209,921 | - | 209,921 |
| - Electricity forward contracts | - | 4,412 | - | 4,412 | - | 147,448 | - | 147,448 |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Interest rate swap | - | 7,188 | - | 7,188 | - | 240,237 | - | 240,237 |
| - Cross currency and interest rate swap | - | 19,366 | - | 19,366 | - | 647,205 | - | 647,205 |
| - Natural gas swap | - | 108,537 | - | 108,537 | - | 3,627,300 | - | 3,627,300 |
| - Coal price swap | - | 25,374 | - | 25,374 | - | 847,963 | - | 847,963 |
| Other financial liabilities | | | | | | | | |
| - Employee compensation liabilities (included in other current liabilities) | - | - | 3,068 | 3,068 | - | - | 102,540 | 102,540 |
| - Employee compensation liabilities (included in other non-current liabilities) | - | - | 3,375 | 3,375 | | | 112,782 | 112,782 |
| - Contingent liabilities from asset acquisition (included in other current liabilities | | | | | | | | |
| and other non-current liabilities) | - | - | 207,533 | 207,533 | - | - | 6,935,743 | 6,935,743 |
| - Put option over non-controlling interest (included in other non-current liabilities) | - | - | 46,562 | 46,562 | - | - | 1,556,094 | 1,556,094 |
| Total liabilities | - | 180,896 | 260,538 | 441,434 | - | 6,045,509 | 8,707,159 | 14,752,668 |



| | | | | | | Ca | nsolidated financi | al atatamanta |
|--------------------------------------------------------------------------------------------|---------|---------|---------|---------------|---------|-----------|--------------------|---------------|
| | | | | IS Dollar'000 | | | | Baht'000 |
| As at 31 December 2020 | Level 1 | Level 2 | Level 3 | Total | Level 1 | Level 2 | Level 3 | Total |
| - Financial assets | | | | | | | | |
| Financial derivative assets recognised at fair value through profit or loss | | | | | | | | |
| - Interest rate swap | - | - | - | - | - | 4 | - | 4 |
| - Foreign exchange rate forward | - | 926 | - | 926 | - | 27,802 | - | 27,802 |
| - Natural gas swap | - | 15,499 | - | 15,499 | - | 465,539 | - | 465,539 |
| - Electricity forward contracts | - | 3,074 | - | 3,074 | - | 92,335 | - | 92,335 |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Foreign exchange rate forward | - | 11,020 | - | 11,020 | - | 330,996 | - | 330,996 |
| - Cross currency and interest rate swap | - | 7,216 | - | 7,216 | - | 216,734 | - | 216,734 |
| - Fuel swap | - | 1,617 | - | 1,617 | - | 48,601 | - | 48,601 |
| Financial assets at fair value through profit or loss | | | | | | | | |
| - Investment in debt instruments | - | 11,071 | - | 11,071 | - | 332,546 | - | 332,546 |
| Financial assets at fair value through other comprehensive income | | | | | | | | |
| - Note receivables | - | 346 | - | 346 | - | 10,392 | - | 10,392 |
| - Investment in equity instruments | 4,488 | - | 148,927 | 153,415 | 134,811 | - | 4,473,332 | 4,608,143 |
| Total assets | 4,488 | 50,769 | 148,927 | 204,184 | 134,811 | 1,524,949 | 4,473,332 | 6,133,092 |
| Financial liabilities | | | | | | | | |
| Financial derivative liabilities recognised at fair value through profit or loss | | | | | | | | |
| - Foreign exchange rate forward | - | 603 | - | 603 | - | 18,129 | - | 18,129 |
| - Natural gas swap | - | 5,170 | - | 5,170 | - | 155,297 | - | 155,297 |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Interest rate swap | - | 28,318 | - | 28,318 | - | 850,601 | - | 850,601 |
| - Cross currency and interest rate swap | - | 2,245 | - | 2,245 | - | 67,421 | - | 67,421 |
| - Coal swap | - | 10,374 | - | 10,374 | - | 311,597 | - | 311,597 |
| Other financial liabilities | | | | | | | | |
| - Contingent liabilities from asset acquisition (included in other current liabilities and | | | | | | | | |
| other non-current liabilities) | - | - | 12,560 | 12,560 | - | - | 377,266 | 377,266 |
| - Put option over non-controlling interest (included in other non-current liabilities) | - | - | 42,288 | 42,288 | - | - | 1,270,200 | 1,270,200 |
| Total liabilities | - | 46,710 | 54,848 | 101,558 | - | 1,403,045 | 1,647,466 | 3,050,511 |



| | | | | | | Sej | parate financial | statements |
|-----------------------------------------------------------------------------|---------|---------|---------|------------|---------|---------|------------------|------------|
| | | | US | Dollar'000 | | | | Bahť000 |
| As at 31 December 2021 | Level 1 | Level 2 | Level 3 | Total | Level 1 | Level 2 | Level 3 | Total |
| Financial assets | | | | | | | | |
| Financial derivative assets recognised at fair value through profit or loss | | | | | | | | |
| - Warrants | 120 | - | - | 120 | 4,012 | - | - | 4,012 |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Interest rate swap | - | 693 | - | 693 | - | 23,169 | - | 23,169 |
| Financial assets at fair value through other comprehensive income | | | | | | | | |
| - Investment in equity instruments | 4,932 | - | 2,817 | 7,749 | 164,826 | - | 94,141 | 258,967 |
| Total assets | 5,052 | 693 | 2,817 | 8,562 | 168,838 | 23,169 | 94,141 | 286,148 |
| | | | | | | | | |
| Financial liabilities | | | | | | | | |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Interest rate swap | - | 7,123 | - | 7,123 | - | 238,048 | - | 238,048 |
| - Cross currency and interest rate swap | - | 19,366 | - | 19,366 | - | 647,205 | - | 647,205 |
| Total liabilities | - | 26,489 | - | 26,489 | - | 885,253 | - | 885,253 |



| | | | | | | Se | parate financial | statements |
|----------------------------------------------------------------------------------|---------|---------|---------|------------|---------|---------|------------------|------------|
| | | | US | Dollar'000 | | | | Bahť000 |
| As at 31 December 2020 | Level 1 | Level 2 | Level 3 | Total | Level 1 | Level 2 | Level 3 | Total |
| Financial assets | | | | | | | | |
| Financial derivative assets recognised at fair value through profit or loss | | | | | | | | |
| - Interest rate swap | - | - | - | - | - | 4 | - | 4 |
| - Foreign exchange rate forward | - | 26 | - | 26 | - | 782 | - | 782 |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Cross currency and interest rate swap | - | 7,216 | - | 7,216 | - | 216,734 | - | 216,734 |
| Financial assets at fair value through other comprehensive income | | | | | | | | |
| - Investment in equity instruments | 3,658 | - | 2,817 | 6,475 | 109,884 | - | 84,612 | 194,496 |
| Total assets | 3,658 | 7,242 | 2,817 | 13,717 | 109,884 | 217,520 | 84,612 | 412,016 |
| Financial liabilities | | | | | | | | |
| Financial derivative liabilities recognised at fair value through profit or loss | | | | | | | | |
| - Foreign exchange rate forward | - | 603 | - | 603 | - | 18,129 | - | 18,129 |
| Derivative financial instruments used for hedging - cash flow hedge | | | | | | | | |
| - Interest rate swap | - | 25,927 | - | 25,927 | - | 778,773 | - | 778,773 |
| - Cross currency and interest rate swap | - | 2,245 | - | 2,245 | - | 67,420 | - | 67,420 |
| Total liabilities | - | 28,775 | - | 28,775 | - | 864,322 | - | 864,322 |

There were no transfers between Level 1,2 and 3 during the year.



Fair value is categorised into hierarchy based on inputs used as follows:

Financial instruments in level 1 (a)

The fair value of financial instruments traded in active markets is based on quoted market prices on the statement of financial position date referring to the Stock Exchange of Thailand and Australian Securities Exchange. The quoted market price used for financial assets held by the Group is the closing price. These instruments are included in Level 1.

Financial instruments in level 2 (b)

The fair value of financial instruments that are not traded in an active market (for example, over-the-counter derivatives) is determined by using valuation techniques. These valuation techniques maximise the use of observable market data where it is available and rely as little as possible on entity specific estimates. If all significant inputs required to fair value an instrument are observable, the instrument is included in level 2.

Specific valuation techniques used to value financial instruments include:

- Quoted market prices or dealer quotes for similar instruments.
- The fair value of interest rate swaps is calculated as the present value of the estimated future cash flows based on observable yield curves.
- The fair value of forward foreign exchange contracts is determined by using forward exchange rates on the statement of financial position date, with the resulting value discounted back to present value.
- The fair value of coal swap contract, fuel swap contract, natural gas swap contract and electricity forward contracts is determined by using forward price on the statement of financial position date, with the resulting value discounted back to present value.
- Fair value of debt instruments and note receivables is determined from discounted contractual cash flows where discount rate quoted in an active market.
- Other techniques, such as discounted cash flow analysis, are used to determine fair value for the remaining financial instruments.





(c) Financial instruments in level 3

The fair value of financial instruments is not based on observable market data.

The following table presents the significant changes in level 3 items:

| | | | | | | | Consolidated fina | ancial statements |
|------------------------------------------------------------------|-----------------|-------------------|---------------|----------------------|-----------------------|---------------------|-------------------|--------------------|
| | | | Conting | ent liabilities from | | | | |
| | Investment in e | quity instruments | Conting | asset acquisition | Put option over non-c | ontrolling interest | El | ectricity swaption |
| | US Dollar'000 | Baht'000 | US Dollar'000 | Bahť000 | US Dollar'000 | Baht'000 | US Dollar'000 | Baht'000 |
| Onering belongs as at 1 January 2020 | 174.100 | | | | | | | |
| Opening balance as at 1 January 2020 | 174,169 | 5,251,877 | - | - | - | - | - | - |
| Additions | 11,487 | 359,476 | - | - | - | - | - | - |
| Reclassification | (19,891) | (622,464) | - | - | - | - | - | - |
| Decrease in investment | (18,924) | (592,197) | - | - | - | - | - | - |
| Acquisition investment of a subsidiary | - | - | 19,700 | 591,731 | - | - | | |
| Change in shareholding interests of a subsidiary and put options | | | | | | | | |
| over non-controlling interests from corporatisation | - | - | - | - | 42,288 | 1,350,978 | - | - |
| Changes in fair value recognised in other comprehensive income | (4,419) | (138,283) | - | - | - | - | - | - |
| Changes in fair value recognised as part of its cost of assets | - | - | (7,140) | (223,281) | - | - | - | - |
| Translation differences | 6,505 | 214,923 | - | 8,816 | - | (80,778) | - | - |
| Closing balance as at 31 December 2020 | 148,927 | 4,473,332 | 12,560 | 377,266 | 42,288 | 1,270,200 | - | - |
| Addition | 52,014 | 1,663,242 | - | - | - | - | - | - |
| Decrease in investment | (2,365) | (75,636) | - | - | - | - | - | - |
| Business combination | - | - | - | - | - | - | 58,843 | 1,936,041 |
| Treasury shares of a subsidiary | - | - | - | - | (2,754) | (88,994) | - | - |
| Changes in fair value recognised to profit or loss | 582 | 18,605 | - | - | - | - | 8,299 | 277,368 |
| Change in fair value recognised in other comprehensive income | (17,947) | (573,899) | - | - | - | - | 3,700 | 123,639 |
| Changes in fair value recognised as part of its cost of assets | - | - | 194,973 | 6,234,681 | - | - | - | - |
| Change in fair value recognised in equity | - | - | - | - | 7,028 | 237,013 | - | - |
| Translation differences | (15,460) | 33,752 | - | 323,796 | - | 137,875 | (1,054) | (4,725) |
| Closing balance at 31 December 2021 | 165,751 | 5,539,396 | 207,533 | 6,935,743 | 46,562 | 1,556,094 | 69,788 | 2,332,323 |
| | | | | | | | | |



Significant changes in investment in an equity instrument

On 26 August 2021, Banpu Renewable Singapore Pte. Ltd. (BRS), which is a subsidiary of the Group, acquired 100% of Tokumei Kumiai's (TK) interest in Goudou Kaisha Aizu Solar Energy (Nari Aizu), a solar power plant in Japan, from Aizu Energy Pte. Ltd., which is a joint venture of the Group. The purchase price is JPY 4,200 million or equivalent to US Dollar 38.75 million. The investment is classified as financial assets because the Group has no control over the investment accordance with the TK agreement.

The following table summarises the quantitative information about the significant unobservable inputs used in level 3 fair value measurement.

| | Fair value U | S Dollar'000 | | | Range of inputs |
|------------------------------------|--------------|--------------|---------------------|----------------|-----------------|
| As at 31 December | 2021 | 2020 | Unobservable input | 2021 | 2020 |
| | | | | | |
| Investment in equity instruments | | | | | |
| measured at FVOCI | 165,751 | 148,927 | Discount rate | 6.86% - 15.51% | 6.57% - 15.66% |
| Contingent liabilities from assets | | | | | |
| acquisition | 207,533 | 12,560 | Discount rate | 5.00% | 7.00% |
| Put option over non-controlling | | | | | |
| interest | 46,452 | 42,288 | Discount rate | 8.63% | - |
| Electricity swaption | | | | AUD 51.14 per | |
| | | | Forward electricity | MWh - AUD | |
| | 69,788 | - | price curve | 63.92 per MWh | - |

The unobservable inputs and fair values as at 31 December 2021 are shown as follows:

| | | | Cha | nges in fair value |
|------------------------------------------------|---------------------|-----------|-------------|--------------------|
| | | | | US Dollar'000 |
| | Unobservable | | Increase in | Decrease in |
| | inputs | Movements | assumption | assumption |
| | | | | |
| Investments in equity instruments | Discount rate | 1.00% | (11,344) | 12,880 |
| measured at FVOCI | | | | |
| Contingent liabilities from assets acquisition | Discount rate | 1.00% | (2,642) | 2,702 |
| Put option over non-controlling interest | Discount rate | 1.00% | (5,219) | 5,653 |
| Electricity swaption | Forward electricity | 5.00% | (4,666) | 4,654 |
| | price curve | | | |

The main level 3 inputs used by the Group pertains to the discount rate. It is estimated based on weighted average cost of capital incorporating the average rate of return in the industry that is expected for the given period and forward electricity prices which are refer to an energy consulting firm.

Statement of Cash Flows





Group's valuation processes

The Groups' finance department has a working team that performs the valuations of financial assets required for financial reporting, including level 3 fair values. The team reports directly to the chief financial officer (CFO) and the audit committee.

Critical accounting estimates, assumptions, and judgements 7.

Estimates, assumption, and judgements are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

During 2021, the Group makes accounting estimates and assumptions concerning the future. The results of accounting estimates will, by definition, seldom equal the related actual results. The estimates and assumptions that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are outlined below.

7.1 Coal reserves

The Group estimates coal reserves based on its best estimate of products that can be economically extracted from the relevant mining area. Estimates are supported by geological studies and drilling samples to determine the reserves.

7.2 Estimated impairment of goodwill

The Group annually tests for impairment of goodwill in accordance with the accounting policy stated in Note 4.12. The recoverable amounts of cash-generating units have been determined based on value-in-use calculations. These calculations use cash flow projections based on financial budgets covering the lives of mine in each country and estimation of discount rate used in the calculation of impairment testing over goodwill as discussed in Note 19.

7.3 Estimated recoverable amounts of prepaid taxes

Prepaid taxes are recognised as assets in the financial statements. The Group considers the recoverable amounts of these prepaid taxes by assessing the evidence, including related taxation law and the conformity of the Group's tax management, tax objection, and tax appeals. However, recoverable amounts of prepaid taxes depend on the tax investigation and decision by the related tax bureau and/or tax court. Detail of significant prepaid tax is disclosed in Note 31.5.

7.4 Impairment of financial assets

The loss allowances for financial assets are based on assumptions about default risk and expected loss rates. The Group uses judgement in making these assumptions and selecting the inputs used in the impairment calculation, based on the Group's past history and existing market conditions, as well as forward-looking estimates at the end of each reporting period.

7.5 Estimate of the fair value of the net identifiable assets acquired from the business combination

The identification of fair values of intangible assets which are right in long-term power purchase agreement is based on valuation techniques and significant judgement and assumptions made by the management. The significant assumptions applied by the management are for example selling price per unit, capacity of power plants, growth rate, operating costs, capital expenditures and discount rate as disclosed in Note 32.

7.6 Estimate of the fair value of net identifiable assets acquired from the acquisition of investment in a joint venture and subsidiaries

The identification of fair values of net assets from the acquisition of investment in a joint venture and subsidiaries is based on significant judgement and assumptions made by the management. The significant assumptions applied by the management in the estimation of projected cash flows are the electricity tariffs, capacity of power plants, growth rate, operating costs, capital expenditures and discount rate.

Segment information 8.

For the year ended 31 December 2021, the Group has modified the presentation of segment information in order to align with the current business activities. The Group is organised into the following business segments:

- The Group also operates in gas production in the United States.
- energy both domestic and overseas.
- and energy management system.

The segment information for the year 2020 included in the financial statements has been adjusted retrospectively for comparative purpose

Energy Resources: The Group operates in coal sales and production both domestic and overseas.

Energy Generation: The Group operates in electricity generation which consists of thermal and renewable

Energy Technology: The Group's operations comprise of solar rooftop, electric vehicle, energy storage





| | | | | | | | | | | | | | | | | | Consolidat | ed financial st | atomonte |
|----------------------------------------|----------|-----------|-----------|----------|-------------|----------|----------|-------|------|---------|----------|---------|---------|------------|------------|--------|-------------|-----------------|-----------|
| | | | | | | | | | | | | | | | | | Consolidati | | US Dollar |
| | | | | Energy | resources | | | | | | | <u></u> | Energy | generation | | | | | |
| | | | | | Natural gas | | | | | Thermal | | | | Renewable | | | | | |
| | | | | People's | | | | | | | | | | | | | | | |
| | | | | Republic | | | | | | | | | | | | | | | |
| | | | | of China | | | People's | | | | People's | | | | | | | | |
| | | | | and | United | | Republic | | | United | Republic | | | | Energy | Head | | Eliminated | |
| | Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | technology | office | Total | entries | Total |
| For the year and d | | | | | | | | | | | | | | | | | | | |
| For the year ended 31 December 2021 | | | | | | | | | | | | | | | | | | | |
| Quantity of coal sales | | | | | | | | | | | | | | | | | | | |
| (unit: thousand tons) | 1,059 | 20,065 | 9,816 | 1,836 | - | - | - | - | - | - | - | - | - | - | - | - | 32,776 | (866) | 31,910 |
| | | | | | | | | | | | | | | | | | | | |
| Sales and service income | 95 | 2,097 | 728 | 164 | 891 | - | 191 | - | - | 20 | 29 | - | 4 | 6 | 67 | - | 4,292 | (168) | 4,124 |
| Cost of sales and services | (86) | (912) | (677) | (163) | (410) | - | (190) | - | - | (21) | (11) | - | (2) | (6) | (84) | - | (2,562) | 169 | (2,393) |
| Gross profit (loss) | 9 | 1,185 | 51 | 1 | 481 | - | 1 | - | - | (1) | 18 | - | 2 | - | (17) | - | 1,730 | 1 | 1,731 |
| Gross profit margin (%) | 9% | 57% | 7% | 1% | 54% | - | 1% | - | - | (5%) | 62% | - | 50% | 0% | (25%) | - | 40% | | 42% |
| Share of profit (loss) from | | | | | | | | | | | | | | | | | | | |
| associates and joint ventures | - | - | - | 129 | - | 7 | (16) | 6 | 113 | - | - | 5 | - | - | (17) | - | 227 | - | 227 |
| Selling expenses | (6) | (98) | (65) | - | - | - | - | - | - | - | - | - | - | - | (2) | - | (171) | - | (171) |
| Administrative expenses | - | (25) | (23) | (2) | (84) | - | (21) | - | - | (2) | (2) | - | - | (12) | (14) | (63) | (248) | - | (248) |
| Royalty fee | - | (247) | (47) | - | - | - | - | - | - | - | - | - | - | - | - | - | (294) | - | (294) |
| Interest income | 120 | 3 | - | - | 4 | - | 5 | - | - | 1 | 2 | - | - | - | 4 | 115 | 254 | (245) | 9 |
| Profit (loss) from operation before | | | | | | | | | | | | | | | | | | | |
| interest expenses | | | | | | | | | | | | | | | | | | | |
| and income taxes | 123 | 818 | (84) | 128 | 401 | 7 | (31) | 6 | 113 | (2) | 18 | 5 | 2 | (12) | (46) | 52 | 1,498 | (244) | 1,254 |

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| | | | Energ | y resources | | | | | | | | Energy | generation | |
|----------|-----------|-----------|----------|-------------|----------|----------|-------|------|---------|----------|-------|---------|------------|------|
| | | | Mining | Natural gas | | | | | Thermal | | | I | Renewable | |
| | | | People's | | | | | | | | | | | |
| | | | Republic | | | | | | | | | | | |
| | | | of China | | | People's | | | | People's | | | | |
| | | | and | United | | Republic | | | United | Republic | | | | E |
| Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | tech |

| | | | | | | | | | | | | | | | | | Consolidat | ed financial st | |
|----------------------------------------|----------|-----------|-----------|----------------------|-------------|----------|----------|-------|------|---------|----------|-------|---------|------------|--------|--------|------------|-----------------|-----------|
| | | | | | | | | | | | | | | | | | | Million l | JS Dollar |
| | | | | | resources | | | | | | | | | generation | - | | | | |
| | | | | | Natural gas | | | | | Thermal | | | | Renewable | - | | | | |
| | | | | People's Republic | | | | | | | | | | | | | | | |
| | | | | of China | | | People's | | | | People's | | | | | | | | |
| | | | | and | United | | Republic | | | United | Republic | | | | Energy | Head | | Eliminated | |
| | Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | | office | Total | entries | Total |
| | | | | | | | | | | | | | | | | | | | |
| For the year ended | | | | | | | | | | | | | | | | | | | |
| 31 December 2021 (continued) | | | | | | | | | | | | | | | | | | | |
| Profit from operation before interest | | | | | | | | | | | | | | | | | | | |
| expenses and income taxes | | | | | | | | | | | | | | | | | | | 1,254 |
| Net gains on exchange rate | | | | | | | | | | | | | | | | | | | 74 |
| Net losses from changes | | | | | | | | | | | | | | | | | | | |
| in fair value of financial instruments | | | | | | | | | | | | | | | | | | | (445) |
| Others | | | | | | | | | | | | | | | | | | | (18) |
| Interest expenses | | | | | | | | | | | | | | | | | | | (174) |
| Income taxes | | | | | | | | | | | | | | | | | | | (198) |
| Non-controlling interests | | | | | | | | | | | | | | | | | | | (189) |
| Profit for the year - owners | | | | | | | | | | | | | | | | | | _ | |
| of the parent | | | | | | | | | | | | | | | | | | | 304 |
| | | | | | | | | | | | | | | | | | | | |
| Total segmented assets | 65 | 1,345 | 2,636 | 592 | 1,669 | - | 365 | - | - | 476 | 251 | - | 91 | 158 | 49 | - | 7,697 | (29) | 7,668 |
| Total unallocated assets | | | | | | | | | | | | | | | | | | _ | 3,278 |
| Total assets | | | | | | | | | | | | | | | | | | | 10,946 |
| | | | | | | | | | | | | | | | | | | | |
| Timing of revenue recognition | | | | | | | | | | | | | | | | | | | |
| - At a point in time | 95 | 2,097 | 728 | 164 | 891 | - | 191 | - | - | 20 | 29 | - | 4 | 6 | 67 | - | 4,292 | (168) | 4,124 |
| - Overtime | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 95 | 2,097 | 728 | 164 | 891 | - | 191 | - | - | 20 | 29 | - | 4 | 6 | 67 | - | 4,292 | (168) | 4,124 |

| | | | | | | | | | | | | | | | | Consolidat | ed financial sta | atements |
|----------|-----------|-----------|----------|-------------|----------|----------|-------|------|---------|----------|-------|---------|------------|------------|--------|------------|------------------|-----------|
| | | | | | | | | | | | | | | | | | Million U | JS Dollar |
| | | | Energy | y resources | | | | | | | | Energy | generation | _ | | | | |
| | | | Mining | Natural gas | | | | | Thermal | | | | Renewable | _ | | | | |
| | | | People's | | | | | | | | | | | | | | | |
| | | | Republic | | | | | | | | | | | | | | | |
| | | | of China | | | People's | | | | People's | | | | | | | | |
| | | | and | United | | Republic | | | United | Republic | | | | Energy | Head | | Eliminated | |
| Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | technology | office | Total | entries | Total |

| For the year ended | | | | | | | | | | | | | | | | | | | |
|-------------------------------------|-------|--------|--------|-------|-------|----|-------|---|-----|---|------|---|---|---|------|------|---------|---------|---------|
| 31 December 2020 | | | | | | | | | | | | | | | | | | | |
| Quantity of coal sales (unit: | | | | | | | | | | | | | | | | | | | |
| thousand tons) | 1,193 | 21,193 | 12,498 | 1,397 | - | - | - | - | - | - | - | - | - | - | - | - | 36,281 | (1,614) | 34,667 |
| - | | | | | | | | | | | | | | | | | | | |
| Sales and service income | 84 | 1,193 | 698 | 71 | 120 | - | 170 | - | - | - | 27 | - | - | - | 30 | - | 2,393 | (110) | 2,283 |
| Cost of sales and services | (75) | (850) | (658) | (70) | (107) | - | (135) | - | - | - | (10) | - | - | - | (28) | - | (1,933) | 111 | (1,822) |
| Gross profit | 9 | 343 | 40 | 1 | 13 | - | 35 | - | - | - | 17 | - | - | - | 2 | - | 460 | 1 | 461 |
| Gross profit margin (%) | 11% | 29% | 6% | 1% | 11% | - | 21% | - | - | - | 63% | - | - | - | 7% | - | 19% | | 20% |
| Share of profit (loss) from | | | | | | | | | | | | | | | | | | | |
| associates and joint ventures | - | - | - | 23 | - | 17 | 2 | - | 103 | - | - | 1 | - | - | (11) | - | 135 | - | 135 |
| Selling expenses | (6) | (68) | (66) | - | - | - | - | - | - | - | - | - | - | - | (1) | - | (141) | - | (141) |
| Administrative expenses | - | (18) | (18) | (2) | (33) | - | (16) | - | - | - | (1) | - | - | - | (12) | (55) | (155) | - | (155) |
| Royalty fee | - | (136) | (47) | - | - | - | - | - | - | - | - | - | - | - | - | - | (183) | - | (183) |
| Interest income | 105 | 3 | - | - | 2 | - | 4 | - | - | - | 2 | - | - | - | 5 | 104 | 225 | (215) | 10 |
| Profit (loss) from operation before | | | | | | | | | | | | | | | | | | | |
| interest expenses | | | | | | | | | | | | | | | | | | | |
| and income taxes | 108 | 124 | (91) | 22 | (18) | 17 | 25 | - | 103 | - | 18 | 1 | - | - | (17) | 49 | 341 | (214) | 127 |





| atements | ed financial sta | onsolidate | Conso | | | | | | | | | | | | | | | |
|-----------|------------------|------------|------------|--------------|------------|---------|-------|----------|---------|------|-------|----------|----------|-------------|----------|-----------|-----------|----------|
| US Dollar | Million L | | | | | | | | | | | | | | | | | |
| | | | | | generation | Energy | | | | | | | | y resources | Energ | | | |
| | | | | | Renewable | F | | | Thermal | | | | | Natural gas | Mining | | | |
| | | | | | | | | | | | | | | | People's | | | |
| | | | | | | | | | | | | | | | Republic | | | |
| | | | | | | | | People's | | | | People's | | | of China | | | |
| | Eliminated | | Head | Energy H | | | | Republic | United | | | Republic | | United | and | | | |
| Tota | entries | Total | office Tot | technology o | Australia | Vietnam | Japan | of China | States | Laos | Japan | of China | Thailand | States | Mongolia | Australia | Indonesia | Thailand |

| For the year and d | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|----|-------|-------|-----|-------|---|-----|---|---|---|-----|---|---|---|----|---|-------|-------|-------|
| For the year ended | | | | | | | | | | | | | | | | | | | |
| 31 December 2020 (continued) | | | | | | | | | | | | | | | | | | | |
| Profit from operation before interest | | | | | | | | | | | | | | | | | | | |
| expenses and income taxes | | | | | | | | | | | | | | | | | | | 127 |
| Net gains on exchange rate | | | | | | | | | | | | | | | | | | | 81 |
| Net gains from changes in fair value | | | | | | | | | | | | | | | | | | | |
| of financial instruments | | | | | | | | | | | | | | | | | | | 23 |
| Investment restructuring expense | | | | | | | | | | | | | | | | | | | (31) |
| Others | | | | | | | | | | | | | | | | | | | (35) |
| Interest expenses | | | | | | | | | | | | | | | | | | | (173) |
| Income taxes | | | | | | | | | | | | | | | | | | | (9) |
| Non-controlling interests | | | | | | | | | | | | | | | | | | | (39) |
| Losses for the year - owners | | | | | | | | | | | | | | | | | | — | |
| of the parent | | | | | | | | | | | | | | | | | | | (56) |
| - | | | | | | | | | | | | | | | | | | | |
| Total segmented assets | 36 | 881 | 2,866 | 580 | 1,312 | - | 347 | - | - | - | 171 | - | 8 | - | 35 | - | 6,236 | (21) | 6,215 |
| Total unallocated assets | | | | | | | | | | | | | | | | | | | 3,162 |
| Total assets | | | | | | | | | | | | | | | | | | | 9,377 |
| | | | | | | | | | | | | | | | | | | | |
| Timing of revenue recognition | | | | | | | | | | | | | | | | | | | |
| - At a point in time | 84 | 1,193 | 698 | 71 | 120 | - | 170 | - | - | - | 27 | - | - | - | 30 | - | 2,393 | (110) | 2,283 |
| - Overtime | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | 84 | 1,193 | 698 | 71 | 120 | - | 170 | - | - | - | 27 | - | - | - | 30 | - | 2,393 | (110) | 2,283 |





| | | | | | | | | | | | | | | | | | Consolidate | ed financial st | tatements |
|-------------------------------------|----------|-----------|-----------|-----------------|-------------|----------|----------------------|-------|-------|------------------|----------------------|-------|---------|--------------|----------------------|----------------|-------------|-----------------|-------------|
| | | | | | | | | | | | | | | | | | Consolidate | | illion Baht |
| | | | | Energy | resources | | | | | | | | Energy | generation | | | | | |
| | | | | Mining | Natural gas | | | | | Thermal | | | F | Renewable | | | | | |
| | | | | People's | | | | | | | | | | | | | | | |
| | | | | Republic | | | | | | | | | | | | | | | |
| | | | | of China | United | | People's | | | l lucito d | People's | | | | Energy | lleed | | Eliminated | |
| | Thailand | Indonesia | Australia | and Mongolia | States | Thailand | Republic of China | Japan | Laos | United States | Republic of China | Japan | Vietnam | Australia | Energy technology | Head office | Total | entries | Total |
| | | muonoolu | , laonana | Mongolia | Oldioo | mailana | | oupun | 2400 | otatoo | | oupun | Totham | , laoti alla | toormology | 01100 | | onaloo | |
| For the year ended | | | | | | | | | | | | | | | | | | | |
| 31 December 2021 | | | | | | | | | | | | | | | | | | | |
| Quantity of coal sales (unit: | | | | | | | | | | | | | | | | | | | |
| thousand tons) | 1,059 | 20,065 | 9,816 | 1,836 | - | - | - | - | - | - | - | - | - | - | - | - | 32,776 | (866) | 31,910 |
| | | | | | | | | | | | | | | | | | | | |
| Sales and service income | 3,078 | 67,990 | 23,346 | 5,290 | 28,722 | - | 6,114 | - | - | 674 | 917 | - | 121 | 192 | 2,142 | - | 138,586 | (5,396) | 133,190 |
| Cost of sales and services | (2,808) | (29,380) | (21,690) | (5,247) | (13,157) | - | (6,114) | - | - | (712) | (347) | - | (67) | (195) | (2,647) | - | (82,364) | 5,448 | (76,916) |
| Gross profit (loss) | 270 | 38,610 | 1,656 | 43 | 15,565 | - | - | - | - | (38) | 570 | - | 54 | (3) | (505) | - | 56,222 | 52 | 56,274 |
| Gross profit margin (%) | 9% | 57% | 7% | 1% | 54% | - | 0% | - | - | (6%) | 62% | - | 45% | (2%) | (24%) | - | 41% | | 42% |
| Share of profit (loss) from | | | | | | | | | | | | | | | | | | | |
| associates and joint ventures | - | - | (10) | 4,190 | - | 216 | (542) | 209 | 3,607 | - | - | 160 | - | - | (540) | - | 7,290 | - | 7,290 |
| Selling expenses | (184) | (3,154) | (2,092) | (12) | - | - | - | - | - | (1) | - | - | - | - | (63) | - | (5,506) | - | (5,506) |
| Administrative expenses | - | (805) | (740) | (64) | (2,684) | - | (662) | - | - | (58) | (48) | - | (9) | (396) | (436) | (2,047) | (7,949) | - | (7,949) |
| Royalty fee | - | (8,036) | (1,495) | - | - | - | - | - | - | - | - | - | - | - | - | - | (9,531) | - | (9,531) |
| Interest income | 3,846 | 95 | 10 | 2 | 119 | - | 146 | - | - | 43 | 55 | - | - | 1 | 136 | 3,696 | 8,149 | (7,871) | 278 |
| Profit (loss) from operation before | | | | | | | | | | | | | | | | | | | |
| interest expenses | | | | | | | | | | | | | | | | | | | |
| and income taxes | 3,932 | 26,710 | (2,671) | 4,159 | 13,000 | 216 | (1,058) | 209 | 3,607 | (54) | 577 | 160 | 45 | (398) | (1,408) | 1,649 | 48,675 | (7,819) | 40,856 |



| | | | Energ | y resources | | | | | | | | Energy | generation | |
|----------|-----------|-----------|----------|-------------|----------|----------|-------|------|---------|----------|-------|---------|------------|------|
| | | | Mining | Natural gas | | | | | Thermal | | | l | Renewable | |
| | | | People's | | | | | | | | | | | |
| | | | Republic | | | | | | | | | | | |
| | | | of China | | | People's | | | | People's | | | | |
| | | | and | United | | Republic | | | United | Republic | | | | E |
| Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | tech |

| For the year ended | |
|--------------------|--|
|--------------------|--|

31 December 2021 (continued)

Profit from operation before interest

expenses and income taxes

Net gains on exchange rate

Net losses from changes

in fair value of financial instruments

Others

Interest expenses

Income taxes

Non-controlling interests

Profit for the year - owners

of the parent

| Total segmented assets | 2,158 | 44,936 | 88,091 | 19,770 | 55,791 | - | 12,186 | - | - | 15,893 | 8,401 | - | 3,037 | 5,282 |
|-------------------------------|-------|--------|--------|--------|--------|---|--------|---|---|--------|-------|---|-------|-------|
| Total unallocated assets | | | | | | | | | | | | | | |
| Total assets | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Timing of revenue recognition | | | | | | | | | | | | | | |
| - At a point in time | 3,078 | 67,990 | 23,346 | 5,290 | 28,722 | - | 6,114 | - | - | 674 | 917 | - | 121 | 192 |
| - Overtime | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 3,078 | 67,990 | 23,346 | 5,290 | 28,722 | - | 6,114 | - | - | 674 | 917 | - | 121 | 192 |

| | | Consolidat | ted financial s | statements |
|------------|--------|------------|-----------------|--------------|
| | | | N | lillion Baht |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Energy | Head | | Eliminated | |
| technology | office | Total | entries | Total |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | 40,856 |
| | | | | 2,332 |
| | | | | |
| | | | | (14,646) |
| | | | | (621) |
| | | | | (5,576) |
| | | | | (6,372) |
| | | | - | (6,121) |
| | | | | 9,852 |
| | | | | |
| 1,667 | - | 257,212 | (965) | 256,247 |
| | | | | 109,552 |
| | | | - | 365,799 |
| | | | | |
| | | | | |
| 2,142 | - | 138,586 | (5,396) | 133,190 |
| - | - | - | - | - |
| 2,142 | - | 138,586 | (5,396) | 133,190 |
| | | | | |



For the year ended 31 December 2020 Quantity of coal sales (unit:

| | | | | | generation | Energy | | | | | | | | y resources | Energy | | | |
|---|------------|-------|--------|------------|------------|---------|-------|----------|---------|------|-------|----------|----------|-------------|----------|-----------|-----------|----------|
| | | | | | Renewable | F | | | Thermal | | | | | Natural gas | Mining | | | |
| | | | | | | | | | | | | | | | People's | | | |
| | | | | | | | | | | | | | | | Republic | | | |
| | | | | | | | | People's | | | | People's | | | of China | | | |
| | Eliminated | | Head | Energy | | | | Republic | United | | | Republic | | United | and | | | |
| т | entries | Total | office | technology | Australia | Vietnam | Japan | of China | States | Laos | Japan | of China | Thailand | States | Mongolia | Australia | Indonesia | Fhailand |

| thousand tons) | 1,193 | 21,193 | 12,498 | 1,397 | - | - | - | - | - | - | - | - | - | - | - | - | 36,281 | (1,614) | 34,667 |
|-------------------------------------|---------|----------|----------|---------|---------|-----|---------|---|-------|---|-------|----|-----|---|-------|---------|----------|---------|----------|
| | | | | | | | | | | | | | | | | | | | |
| Sales and service income | 2,666 | 37,300 | 21,828 | 2,209 | 3,721 | - | 5,297 | - | - | - | 835 | - | - | - | 918 | - | 74,774 | (3,442) | 71,332 |
| Cost of sales and services | (2,365) | (26,601) | (20,596) | (2,174) | (3,312) | - | (4,232) | - | - | - | (316) | - | - | - | (847) | - | (60,443) | 3,453 | (56,990) |
| Gross profit | 301 | 10,699 | 1,232 | 35 | 409 | - | 1,065 | - | - | - | 519 | - | - | - | 71 | - | 14,331 | 11 | 14,342 |
| Gross profit margin (%) | 11% | 29% | 6% | 2% | 11% | - | 20% | - | - | - | 62% | - | - | - | 8% | - | 19% | | 20% |
| Share of profit (loss) from | | | | | | | | | | | | | | | | | | | |
| associates and joint ventures | - | - | 8 | 732 | - | 542 | 76 | - | 3,217 | - | - | 34 | - | - | (370) | - | 4,239 | - | 4,239 |
| Selling expenses | (166) | (2,143) | (2,071) | (11) | - | - | - | - | - | - | - | - | - | - | (46) | - | (4,437) | - | (4,437) |
| Administrative expenses | - | (608) | (565) | (68) | (1,028) | - | (503) | - | - | - | (35) | - | (4) | - | (351) | (1,718) | (4,880) | 1 | (4,879) |
| Royalty fee | - | (4,243) | (1,466) | - | - | - | - | - | - | - | - | - | - | - | - | - | (5,709) | - | (5,709) |
| Interest income | 3,281 | 93 | 3 | 1 | 50 | - | 115 | - | - | - | 76 | - | - | - | 156 | 3,254 | 7,029 | (6,730) | 299 |
| Profit (loss) from operation before | | | | | | | | | | | | | | | | | | | |
| interest expenses | | | | | | | | | | | | | | | | | | | |
| and income taxes | 3,416 | 3,798 | (2,859) | 689 | (569) | 542 | 753 | - | 3,217 | - | 560 | 34 | (4) | - | (540) | 1,536 | 10,573 | (6,718) | 3,855 |
| - | | | | | | | | | | | | | | | | | | | |





| | | | Energ | y resources | | | | | | | | Energy | generation | |
|----------|-----------|-----------|----------|-------------|----------|----------|-------|------|---------|----------|-------|---------|------------|------|
| | | | Mining | Natural gas | | | | | Thermal | | | l | Renewable | |
| | | | People's | | | | | | | | | | | |
| | | | Republic | | | | | | | | | | | |
| | | | of China | | | People's | | | | People's | | | | |
| | | | and | United | | Republic | | | United | Republic | | | | E |
| Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | tech |

| | | | | | | | | | | | | | | | | | Consolidat | ted financial s | |
|---------------------------------------|----------|-----------|-----------|----------|-------------|----------|----------|-------|------|---------|----------|-------|---------|------------|------------|--------|------------|-----------------|-------------|
| | | | | Energy | resources | | | | | | | | Energy | generation | | | | IVI | illion Baht |
| | | | | | Natural gas | | | | | Thermal | | | | Renewable | | | | | |
| | | | | People's | | | | | | | | | | | | | | | |
| | | | | Republic | | | | | | | | | | | | | | | |
| | | | | of China | | | People's | | | | People's | | | | | | | | |
| | | | | and | United | | Republic | | | United | Republic | | | | Energy | Head | | Eliminated | |
| | Thailand | Indonesia | Australia | Mongolia | States | Thailand | of China | Japan | Laos | States | of China | Japan | Vietnam | Australia | technology | office | Total | entries | Total |
| For the year ended | | | | | | | | | | | | | | | | | | | |
| 31 December 2020 (continued) | | | | | | | | | | | | | | | | | | | |
| Profit from operation before interest | | | | | | | | | | | | | | | | | | | |
| expenses and income taxes | | | | | | | | | | | | | | | | | | | 3,855 |
| Net gains on exchange rate | | | | | | | | | | | | | | | | | | | 2,543 |
| Net gains from changes in | | | | | | | | | | | | | | | | | | | |
| fair value of financial instruments | | | | | | | | | | | | | | | | | | | 711 |
| Investment restructuring expense | | | | | | | | | | | | | | | | | | | (985) |
| Others | | | | | | | | | | | | | | | | | | | (1,004) |
| Interest expenses | | | | | | | | | | | | | | | | | | | (5,420) |
| Income taxes | | | | | | | | | | | | | | | | | | | (269) |
| Non-controlling interests | | | | | | | | | | | | | | | | | | | (1,217) |
| Losses for the year - owners | | | | | | | | | | | | | | | | | | - | |
| of the parent | | | | | | | | | | | | | | | | | | | (1,786) |
| | | | | | | | | | | | | | | | | | | | |
| Total segmented assets | 1,092 | 26,461 | 86,074 | 17,410 | 39,408 | - | 10,431 | - | - | - | 5,151 | - | 237 | - | 1,072 | - | 187,336 | (623) | 186,713 |
| Total unallocated assets | | | | | | | | | | | | | | | | | | - | 94,935 |
| Total assets | | | | | | | | | | | | | | | | | | - | 281,648 |
| Timing of revenue recognition | | | | | | | | | | | | | | | | | | | |
| - At a point in time | 2,666 | 37,300 | 21,828 | 2,209 | 3,721 | - | 5,297 | - | - | - | 835 | - | - | - | 918 | - | 74,774 | (3,442) | 71,332 |
| - Overtime | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| | 2,666 | 37,300 | 21,828 | 2,209 | 3,721 | - | 5,297 | - | - | - | 835 | - | - | - | 918 | - | 74,774 | (3,442) | 71,332 |

Revenue is allocated to the geographic areas where the sale originated and there is no customer who generates significant revenue to the Group.

• • •



9. Financial assets and financial liabilities

The Group has classified financial assets and liabilities as follows:

| | Consolidated fina | ncial statements | Separate fina | ncial statements |
|----------------------------------------------------------------|-------------------|------------------|---------------|------------------|
| As at 31 December 2021 | US Dollar'000 | Bahť000 | US Dollar'000 | Bahť000 |
| | | | | |
| Financial assets | | | | |
| Financial assets measured at amortised cost | | | | |
| Cash and cash equivalents | 1,184,361 | 39,581,234 | 114,057 | 3,811,758 |
| Trade accounts receivable, net | 472,940 | 15,805,596 | 7,250 | 242,287 |
| Amounts due from related parties | 2,068 | 69,096 | 523,165 | 17,484,116 |
| Advances to related parties | - | - | 1,497 | 50,025 |
| Short-term loans to related parties | 69,260 | 2,314,662 | 74,603 | 2,493,217 |
| Other current assets | 222,651 | 7,440,983 | 91 | 3,035 |
| Dividend receivables from a related party | 31,337 | 1,047,306 | - | - |
| Long-term loans to related parties | 16,664 | 556,903 | 3,035,195 | 101,435,898 |
| Other non-current assets | 71,263 | 2,381,613 | 245 | 8,195 |
| Financial assets measured at fair value through profit or loss | | | | |
| Investments in debt instruments | 15,687 | 524,272 | - | - |
| Investments in equity instruments | 7,727 | 258,239 | - | - |
| Financial assets measured at fair value through | | | | |
| Note receivables | 168 | 5,600 | - | - |
| Investments in equity instruments | 164,424 | 5,495,041 | 7,749 | 258,967 |
| Derivative assets | | | | |
| Held for trading at fair value through profit or loss | 43,557 | 1,455,700 | 120 | 4,012 |
| Apply hedge accounting | 41,152 | 1,375,261 | 693 | 23,169 |
| Financial liabilities | | | | |
| Financial liabilities measured at amortised cost | | | | |
| Short-term loans from financial institutions | 1,173,907 | 39,231,861 | 812,461 | 27,152,378 |
| Trade account payable | 98,547 | 3,293,416 | 2,746 | 91,758 |
| Advance from and amounts due to related parties | - | - | 784 | 26,202 |
| Accrued interest expenses | 33,228 | 1,110,469 | 26,419 | 882,906 |
| Long-term loans from financial institutions, net | 2,787,252 | 93,149,702 | 1,862,202 | 62,234,622 |
| Debentures, net | 2,030,976 | 67,875,016 | 2,030,976 | 67,875,016 |
| Lease Liabilities | 51,341 | 1,715,801 | 2,095 | 70,036 |
| Other current liabilities | 419,512 | 14,020,364 | 9,529 | 318,442 |
| Other non-current liabilities | 17,481 | 584,229 | 1,206 | 40,205 |
| Financial liabilities measured at FVPL | | | | |
| Employee compensation liabilities | 6,443 | 215,322 | - | - |
| Contingent liabilities from asset acquisition | 207,533 | 6,935,743 | - | - |
| Put option over non-controlling interest | 46,562 | 1,556,094 | - | - |
| Derivative liabilities | | | | |
| Held for trading at fair value through profit or loss | 20,431 | 682,804 | - | - |
| Apply hedge accounting | 160,465 | 5,362,705 | 26,489 | 885,253 |

As at 31 December 2020

| Financial assets |
|----------------------------------------------------------------|
| Financial assets measured at amortised cost |
| Cash and cash equivalents |
| Trade accounts receivable, net |
| Investments in debt instruments |
| Amounts due from related parties |
| Advances to related parties |
| Short-term loans to related parties |
| Other current assets |
| Dividend receivables from a related party |
| Long-term loans to related parties |
| Other non-current assets |
| Financial assets measured at fair value through profit or loss |
| Investments in debt instruments |
| Financial assets measured at fair value through |
| other comprehensive income |
| Note receivables |
| Investments in equity instruments |
| Derivative assets |
| Held for trading at fair value through profit or loss |
| Apply hedge accounting |
| |
| Financial liabilities |
| Financial liabilities measured at amortised cost |
| Short-term loans from financial institutions |
| Trade account payable |
| Advance from and amounts due to related parties |
| Accrued interest expenses |
| Long-term from financial institutions, net |
| Debentures, net |
| Other current liabilities |
| Other non-current liabilities |
| Financial liabilities measured at FVPL |
| Contingent liabilities from asset acquisition |
| Put option over non-controlling interest |
| Derivative liabilities |
| Held for trading at fair value through profit or loss |
| Apply hedge accounting |

| Consolidated fi | nancial statements | Separate fi | nancial statements |
|-----------------|--------------------|---------------|--------------------|
| US Dollar'000 | Bahť000 | US Dollar'000 | Baht'000 |
| | | | |
| | | | |
| 730,456 | 21,940,785 | 216,119 | 6,491,574 |
| 248,754 | 7,471,862 | 16,111 | 483,927 |
| 156 | 4,676 | 10,111 | 400,927 |
| 1,104 | 33,166 | 440,517 | 13,231,852 |
| - 1,10 | | 1,269 | 38,123 |
| 61,130 | 1,836,164 | 18,800 | 564,697 |
| 123,398 | 3,706,491 | 455 | 13,661 |
| 35,435 | 1,064,348 | - | - |
| 20,888 | 627,400 | 2,283,094 | 68,577,510 |
| 41,450 | 1,245,047 | 297 | 8,917 |
| , | , -,- | | - , - |
| 11,071 | 332,546 | - | - |
| | | | |
| | | | |
| 346 | 10,392 | - | - |
| 153,415 | 4,608,143 | 6,475 | 194,496 |
| | | | |
| 19,473 | 584,895 | - | - |
| 19,879 | 597,116 | 7,242 | 217,520 |
| | | | |
| | | | |
| | | | |
| 827,518 | 24,856,241 | 779,045 | 23,400,240 |
| 67,425 | 2,025,238 | 6,378 | 191,570 |
| - | - | 1,005 | 30,201 |
| 25,336 | 761,023 | 22,248 | 668,255 |
| 2,905,672 | 87,277,964 | 1,992,266 | 59,841,890 |
| 1,650,116 | 49,564,678 | 1,650,116 | 49,564,678 |
| 335,135 | 10,066,442 | 5,255 | 157,843 |
| 83,926 | 2,520,908 | 2,439 | 73,222 |
| | | | |
| 12,560 | 377,266 | - | - |
| 42,288 | 1,270,200 | - | - |
| | 170 100 | | 10.10- |
| 5,773 | 173,426 | 603 | 18,128 |
| 40,937 | 1,229,619 | 28,172 | 846,194 |





As at 31 December 2021 and 2020, the financial assets and liabilities measured at amortised cost approximated the fair value except debentures, as disclosed in Note 25.

Financial assets at fair value through other comprehensive income

Amounts recognised in profit or loss and other comprehensive income

The following gains/(losses) were recognised in profit or loss and other comprehensive income during the year as follows:

| | Consolidated finance | al statements | Separate financial statements | | |
|-----------------------------------------------------|----------------------|---------------|-------------------------------|----------|--|
| | US Dollar'000 | Bahť000 | US Dollar'000 | Bahť000 | |
| For the year ended 31 December 2021 | | | | | |
| Gains/(losses) recognised in | | | | | |
| other comprehensive income | (26,984) | (753,938) | 308 | 10,964 | |
| Dividends from equity investments at FVOCI | (20,304) | (100,900) | 500 | 10,904 | |
| recognised in profit or loss related to investments | | | | | |
| held at the end of the reporting period | 8,541 | 273,817 | 160 | 5,011 | |
| For the year ended 31 December 2020 | | | | | |
| Losses recognised in | | | | | |
| other comprehensive income | (1,157) | (40,022) | (1,889) | (56,976) | |
| Dividends from equity investments at FVOCI | (1,137) | (40,022) | (1,003) | (30,970) | |
| recognised in profit or loss related to investments | | | | | |
| held at the end of the reporting period | 1,794 | 55,722 | 271 | 8,662 | |

10. Cash and cash equivalents

| | | Consc | lidated financia | al statements | | Se | parate financia | al statements |
|---------------------------|-----------|---------------|------------------|---------------|---------|---------------|-----------------|---------------|
| | L | JS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Baht'000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Cash on hand | 1,074 | 559 | 35,883 | 16,796 | 16 | 19 | 525 | 565 |
| Deposits held at call | | | | | | | | |
| with banks | 959,078 | 583,621 | 32,052,281 | 17,530,293 | 114,041 | 216,100 | 3,811,233 | 6,491,009 |
| Fixed deposits with banks | 224,209 | 146,276 | 7,493,070 | 4,393,696 | - | - | - | - |
| Total cash and cash | | | | | | | | |
| equivalents | 1,184,361 | 730,456 | 39,581,234 | 21,940,785 | 114,057 | 216,119 | 3,811,758 | 6,491,574 |

As at 31 December 2021, the interest rates on deposits held at call with banks and fixed deposits with banks were 0.13% to 2.02% per annum and 0.01% to 6.12% per annum (2020: 0.02% to 1.00% per annum and 0.15% to 6.00% per annum). These fixed deposits have an original maturity of three months.

11. Trade accounts receivable, net

| | Consolidated financial statements | | | | | Se | parate financia | al statements |
|--------------------------------|-----------------------------------|--------------|------------|-----------|-------|---------------|-----------------|---------------|
| | U | S Dollar'000 | | Baht'000 | I | US Dollar'000 | | Baht'000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Trade accounts receivable | | | | | | | | |
| - third parties | 477,968 | 255,326 | 15,973,648 | 7,669,279 | 7,250 | 16,111 | 242,287 | 483,927 |
| Less Expected credit losses | (5,028) | (6,572) | (168,052) | (197,417) | - | - | - | - |
| Trade accounts receivable, net | 472,940 | 248,754 | 15,805,596 | 7,471,862 | 7,250 | 16,111 | 242,287 | 483,927 |

Trade accounts receivable can be analysed as follows:

| | Consolidated financial statements Separate financial statements | | | | | | al statements | |
|--------------------------------|-----------------------------------------------------------------|---------------|------------|-----------|-------|---------------|---------------|---------|
| | U | IS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Bahť000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Trade accounts receivable | | | | | | | | |
| under credit term | 453,620 | 231,420 | 15,159,936 | 6,951,249 | 7,250 | 15,303 | 242,287 | 459,670 |
| Trade accounts receivable | | | | | | | | |
| due for payment | | | | | | | | |
| - Less than 3 months | 15,036 | 13,235 | 502,510 | 397,531 | - | 808 | - | 24,257 |
| - Over 3 months but less than | | | | | | | | |
| 6 months | 640 | 1,667 | 21,395 | 50,066 | - | - | - | - |
| - Over 6 months but less than | | | | | | | | |
| 12 months | 3,571 | 2,154 | 119,341 | 64,691 | - | - | - | - |
| - Over 12 months | 5,101 | 6,850 | 170,466 | 205,742 | - | - | - | - |
| Total trade accounts | | | | | | | | |
| receivable | 477,968 | 255,326 | 15,973,648 | 7,669,279 | 7,250 | 16,111 | 242,287 | 483,927 |
| Less Expected credit losses | (5,028) | (6,572) | (168,052) | (197,417) | - | - | - | - |
| Trade accounts receivable, net | 472,940 | 248,754 | 15,805,596 | 7,471,862 | 7,250 | 16,111 | 242,287 | 483,927 |



12. Inventories, net

| | | Conso | lidated financia | al statements | | Se | parate financia | I statements | |
|-------------------------|---------|---------------|------------------|---------------|---------|---------------|-----------------|--------------|--|
| | L | IS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Baht'000 | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | |
| | | | | | | | | | |
| Coal | 100,035 | 85,362 | 3,343,160 | 2,564,033 | 8,553 | 8,928 | 285,837 | 268,172 | |
| Fuel | 3,514 | 7,646 | 117,438 | 229,664 | - | - | - | - | |
| Natural gas | 2,991 | 2,878 | 99,947 | 86,447 | - | - | - | - | |
| Others | 330 | 422 | 11,017 | 12,676 | - | - | - | - | |
| Good in transits - coal | 19,500 | 9,637 | 651,704 | 289,468 | - | - | - | - | |
| Total | 126,370 | 105,945 | 4,223,266 | 3,182,288 | 8,553 | 8,928 | 285,837 | 268,172 | |
| Less Allowance for | | | | | | | | | |
| slow-moving of coal | (7,583) | (4,069) | (253,415) | (122,212) | (3,854) | (3,854) | (128,810) | (115,771) | |
| Allowance for net | | | | | | | | | |
| realisable value | | | | | | | | | |
| of fuel | (1,953) | (487) | (65,277) | (14,632) | - | - | - | - | |
| Inventories, net | 116,834 | 101,389 | 3,904,574 | 3,045,444 | 4,699 | 5,074 | 157,027 | 152,401 | |

13. Other current assets

| | Consolidated financial statements | | | | | Se | parate financia | I statements |
|------------------------------|-----------------------------------|---------------|------------|-----------|-------|---------------|-----------------|--------------|
| | U | IS Dollar'000 | | Bahť000 | l | JS Dollar'000 | | Baht'000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Prepaid expenses | 59,076 | 33,695 | 1,974,327 | 1,012,106 | 4,535 | 4,651 | 151,564 | 139,702 |
| Advance for prepayment | 14,660 | 42,815 | 489,951 | 1,286,034 | 34 | 169 | 1,146 | 5,080 |
| Value added tax receivables | 20,108 | 14,644 | 672,003 | 439,875 | 1,350 | 1,478 | 45,112 | 44,382 |
| Prepaid income tax | 4,092 | 648 | 136,744 | 19,449 | 155 | 343 | 5,188 | 10,312 |
| Restricted deposits at banks | | | | | | | | |
| (Note 14.1 f) | 161,412 | 74,014 | 5,394,381 | 2,223,164 | - | - | - | - |
| Other receivables | 46,579 | 48,282 | 1,556,651 | 1,450,261 | 57 | 455 | 1,889 | 13,662 |
| Long service leave coal | | | | | | | | |
| industry fund receivable | | | | | | | | |
| in Australia | 49,374 | 55,293 | 1,650,083 | 1,660,828 | - | - | - | - |
| Others | 2,736 | 1,059 | 91,423 | 31,790 | - | - | - | - |
| Total other current assets | 358,037 | 270,450 | 11,965,563 | 8,123,507 | 6,131 | 7,096 | 204,899 | 213,138 |

14. Investments in subsidiaries, associates, and joint ventures

Investments in associates and joint ventures accounted for using the equity method are as follows:

| | Consolidated financial statements (Equity methods) | | | | | | |
|----------------------------------------------------|----------------------------------------------------|---------------|------------|------------|--|--|--|
| | | US Dollar'000 | | | | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | | | |
| Associates | | | | | | | |
| Urban Mobility Tech Co., Ltd. | 10,414 | 3,063 | 348,023 | 92,000 | | | |
| Durapower Holdings Pte. Ltd. | 34,174 | 34,174 | 1,142,103 | 1,026,498 | | | |
| FOMM Corporation | 19,020 | 21,162 | 635,650 | 635,650 | | | |
| Global Engineering Co., Ltd. | 9,949 | 11,071 | 332,480 | 332,527 | | | |
| Port Kembla Coal Terminal Ltd. | 86 | 90 | 2,876 | 2,716 | | | |
| GEPP Sa-ard Co., Ltd. | 359 | 400 | 12,000 | 12,000 | | | |
| Beyond Green Co., Ltd. | 8,977 | - | 300,000 | - | | | |
| | | | | | | | |
| Joint ventures | | | | | | | |
| BLCP Power Ltd. | 182,202 | 202,722 | 6,089,170 | 6,089,170 | | | |
| Hebi Zhong Tai Mining Co., Ltd. | 48,320 | 48,320 | 1,614,862 | 1,451,404 | | | |
| Shanxi Gaohe Energy Co., Ltd. | 308,933 | 308,933 | 10,324,501 | 9,279,443 | | | |
| Shanxi Luguang Power Co., Ltd. | 71,203 | 69,687 | 2,379,602 | 2,093,182 | | | |
| Hongsa Power Company Limited | 391,759 | 435,879 | 13,092,534 | 13,092,534 | | | |
| Phu Fai Mining Company Limited | 25 | 28 | 836 | 836 | | | |
| Aura Land Development Pte. Ltd. | 2,791 | 3,106 | 93,290 | 93,290 | | | |
| Aizu Energy Pte. Ltd. | 11,505 | 32,370 | 384,484 | 972,304 | | | |
| Sunseap Group Pte. Ltd. | - | 173,742 | - | 5,218,720 | | | |
| Hokkaido Solar Estate G.K. | 1,807 | 2,011 | 60,396 | 60,396 | | | |
| Digital Energy Solutions Corporation | - | 169 | - | 5,087 | | | |
| PT. Nusantara Timur Unggul | 491 | 491 | 16,403 | 14,742 | | | |
| Nakoso IGCC Management Co., Ltd | 80,443 | - | 2,688,394 | - | | | |
| EVOLT Technology Co., Ltd | 2,693 | - | 90,000 | - | | | |
| Investments in associates and joint ventures | | | | | | | |
| - cost method | 1,185,151 | 1,347,418 | 39,607,604 | 40,472,499 | | | |
| Add Cumulative equity account of investments | | | | | | | |
| in associates and joint ventures | 460,302 | 342,532 | 15,383,286 | 10,288,694 | | | |
| Total investments in associates and joint ventures | 1,645,453 | 1,689,950 | 54,990,890 | 50,761,193 | | | |

As at 31 December 2021 and 2020, under the conditions of loans for project finance of joint ventures, the Group pledged its investments in two joint ventures with a cost of US Dollar 370.82 million, as collateral for loans from financial institutions of such joint ventures.

As at 31 December 2021, a subsidiary, who is the shareholder of a joint venture, guarantee for loans from financial institutions amounting to CNY 534 million or equivalent to USD Dollar 84 million of a joint venture.



Investments in subsidiaries are as follows:

| | Separate financial statements (Equity method) | | | | | | |
|-----------------------------------------|-----------------------------------------------|---------------|------------|------------|--|--|--|
| | | US Dollar'000 | | Baht'000 | | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | | | |
| Subsidiaries | | | | | | | |
| Banpu Minerals Co., Ltd. | 102,434 | 102,434 | 3,423,345 | 3,076,830 | | | |
| BP Overseas Development Co., Ltd. | 388,472 | 517,963 | 12,982,706 | 15,558,109 | | | |
| Banpu Power Public Company Limited | 687,198 | 687,198 | 22,966,067 | 20,641,416 | | | |
| Banpu Engineering Services Co., Ltd. | 7,787 | 7,787 | 260,256 | 233,913 | | | |
| BOG Co., Ltd. | 991,454 | 991,454 | 33,134,285 | 29,780,395 | | | |
| Banpu Innovation & Ventures Co., Ltd. | 4,110 | 3,518 | 137,342 | 105,661 | | | |
| Banpu NEXT Co., Ltd. | 185,769 | 178,228 | 6,208,386 | 5,353,456 | | | |
| Banpu Vietnam Limited Liability Company | 1,000 | 1,000 | 33,420 | 30,037 | | | |
| Total investments in subsidiaries | 2,368,224 | 2,489,582 | 79,145,807 | 74,779,817 | | | |

14.1 Changes in investments in subsidiaries, associates and joint ventures

Movements of investments in associates and joint ventures are as follows:

| | Consolidated financial statements (Equity method) | | | | | | |
|----------------------------------------------|---------------------------------------------------|---------------|-------------|-------------|--|--|--|
| | | US Dollar'000 | | Bahť000 | | | |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 | | | |
| Opening balance | 1,689,950 | 1,493,705 | 50,761,193 | 45,041,190 | | | |
| Addition and purchase of investments | 97,237 | 85,829 | 3,109,360 | 2,685,897 | | | |
| Decrease in investment | (17,593) | - | (562,569) | - | | | |
| Dividend received from joint ventures | (69,596) | (72,681) | (2,225,488) | (2,274,467) | | | |
| Reclassification to non-current asset | | | | | | | |
| held-for-sale | (172,048) | - | (5,501,596) | - | | | |
| Add Share of profit from and associates | | | | | | | |
| joint ventures | 227,137 | 135,335 | 7,290,188 | 4,238,649 | | | |
| Share of other comprehensive income | | | | | | | |
| (expense) from associates and joint ventures | | | | | | | |
| - Gains (Losses) on fair value | | | | | | | |
| of equity instruments | (10,819) | 4,969 | (309,927) | 148,060 | | | |
| - Cash flow hedge reserve | 31,344 | (11,506) | 934,787 | (343,103) | | | |
| - Remeasurement of post-employment | | | | | | | |
| benefit obligations | (962) | (3) | (34,574) | - | | | |
| - Translation differences | (129,197) | 54,302 | 1,529,516 | 1,264,967 | | | |
| Closing balance | 1,645,453 | 1,689,950 | 54,990,890 | 50,761,193 | | | |

Movements of investments in subsidiaries are as follows:

| | Separate financial statements (Equity method) | | | | | | | |
|----------------------------------------------|-----------------------------------------------|---------------|-------------|------------|--|--|--|--|
| | | US Dollar'000 | | Bahť000 | | | | |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 | | | | |
| Opening balance | 2,489,582 | 1,954,274 | 74,779,817 | 58,929,179 | | | | |
| Addition of investments | 8,133 | 500,628 | 260,067 | 15,666,515 | | | | |
| Share-based payment of a subsidiary | - | (25) | - | (808) | | | | |
| Effect from group restructuring | - | 41,965 | - | 1,312,902 | | | | |
| Disposal of investments under common control | (129,491) | (7,260) | (4,140,739) | (228,818) | | | | |
| Translation differences | - | - | 8,246,662 | (899,153) | | | | |
| Closing balance | 2,368,224 | 2,489,582 | 79,145,807 | 74,779,817 | | | | |

Significant transactions of investments during the year

Addition of investments a)

Separate financial statements

The Company additionally invested in Banpu Next Co., Ltd., a subsidiary, in proportion to the original investment amounting to Baht 236 million or equivalent to US Dollar 7.54 million. The Company has fully paid for this investment.

b) Group restructuring

Separate financial statements

On 15 June 2021, the Company entered into a Share Purchase Agreement with Banpu Minerals Co., Ltd., a direct subsidiary to dispose its 25% shareholding in BP Overseas Development Co., Ltd., another direct subsidiary, with the selling price of Baht 4,726.72 million or equivalent to US Dollar 151.03 million. The Company received a promissory note of the value equal to the selling price. The promissory note bears an interest rate of 4.25% per annum with the maturity date in June 2026. The Company recognised the difference between the selling price and net book value of the investment amounting to US Dollar 21.54 million in the separate statement of comprehensive income during the year.

c) Reclassification to non-current asset held-for-sale

Consolidated financial statements

During the year, the Group classified an investment in Sunseap Group Pte. Ltd. which is a joint venture as non-current assets held-for-sale at a net book value of US Dollar 172.05 million, which is lower than the selling price less the cost of selling. Management assesses that it is highly probable to sell such



investment and it meets the classification criteria for non-current assets held-for-sale. The Group completely sold this investment on 23 February 2022 (Note 33.3).

Acquisition of investments d)

Consolidated financial statements - Investment in a joint venture

Banpu Power Investment Co., Ltd, a subsidiary of the Group, purchased ordinary shares for 33.50% of Nakoso IGCC Management Co., Ltd (NIMCO), which holds 40% ownership in the Nakoso IGCC Power Plant, a 543 MW integrated gasification combined cycle, located in Fukushima, Japan. The purchase consideration paid was JPY 8,630.94 million or equivalent to US Dollar 78.02 million. The Group has classified investment in NIMCO as an investment in a joint venture.

The Group completely measured the fair value of the identifiable assets acquired and completed the purchase price allocation. Details of investment are as follows:

| | Million JPY | Million US Dollar |
|-------------------------------------------------------------------------------|-------------|-------------------|
| Portion of estimated fair value of net assets acquired | 2,722.08 | 24.61 |
| Right to operate the power plant (Presented in investment in a joint venture) | 5,908.86 | 53.41 |
| Purchase considerations | 8,630.94 | 78.02 |

Right to operate the power plant will be amortised by straight-line method over the periods of estimated useful life of the power plants.

Consolidated financial statements - Investment in an associate

On 21 September 2021, Banpu Next Co., Ltd., which is a subsidiary of the Group, invested in newly issued shares of Beyond Green Co., Ltd. (BYG) which is the authorised Club Car distributor registered in Thailand for the consideration of Baht 300 million or equivalent to US Dollar 8.84 million. As a result, the Group has a 30% of shareholding in this company. The Group has classified the investment in BYG as an investment in an associate and fully paid for this investment.

Consolidated financial statements - Investment in a subsidiary

On 1 November 2021, the Group completely purchased shareholding in Temple Generation Intermediate Holdings, LLC which holds 100% interest in Temple 1 gas-fired power plant located in Texas USA, with generation capacity of 768 MW. The total consideration is USD 440.96 million. This acquisition is an asset acquisition because substantially all of the fair value of the gross assets acquired is concentrated in property plant and equipment of the power plant amounting to USD 452.93 million (Note 15) the remaining is recognised in other related asset and liabilities.

Dividend income from an associate and joint ventures e)

For the year ended 31 December

BLCP Power Ltd. Hongsa Power Company Limited Phu Fai Mining Company Limited Shanxi Gaohe Energy Company Limited Hebi Zhong Tai Mining Co., Ltd. Aizu Energy Pte. Ltd Global Engineering Co., Ltd. Total dividend income from an associate and joint ventures

Banpu Power Public Company Limited, a subsidiary, has provided the Standby Letters of Credit, issued by commercial banks under the subsidiary's name amounting to Baht 1,600 million or equivalent to US Dollar 47.17 million and US Dollar 22 million as a guarantee for lenders of Hongsa Power Company Limited (2020: Baht 1,600 million or equivalent to US Dollar 53.27 million and US Dollar 22 million). However, the Group considered that there are no financial liabilities expected from this financial guarantee.

Significant restrictions

As at 31 December

Deposits held at banks as reserve for letter of guarantee of borrowings of subsidiaries in the People's Republic of China (1) Deposits held at banks as reserve for bank guarantee of subsidiaries in Australia⁽¹⁾ Deposits held at banks as reserve for bank guarantee of a subsidiary in Australia⁽²⁾ Restricted cash used in mine closure activities of subsidiaries in Indonesia (2)

⁽¹⁾ Presented in other current assets

| Ν | Million US Dollar | | Million Baht |
|-------|-------------------|----------|--------------|
| 2021 | 2020 | 2021 | 2020 |
| 5.68 | 6.23 | 181.78 | 195.05 |
| 19.38 | 11.39 | 619.74 | 356.41 |
| 2.57 | 6.72 | 82.24 | 210.42 |
| 22.30 | 48.30 | 713.18 | 1,511.47 |
| 1.89 | - | 60.06 | - |
| 17.54 | - | 560.89 | - |
| 0.24 | 0.04 | 7.60 | 1.12 |
| | | | |
| 69.60 | 72.68 | 2,225.49 | 2,274.47 |

| Ν | /illion US Dollar | | Million Baht |
|---------|-------------------|-----------|--------------|
| 2021 | 2020 | 2021 | 2020 |
| | | | |
| | | | |
| 6 | 3 | 194 | 90 |
| | | | |
| 161,406 | 74,011 | 5,394,187 | 2,223,074 |
| | | | |
| 10,378 | - | 346,848 | - |
| | | | |
| 32,266 | 29,701 | 1,078,317 | 892,119 |
| 204,056 | 103,715 | 6,819,546 | 3,115,283 |



⁽²⁾ Presented in other non-current assets



14.2 Material subsidiaries

As at 31 December, the Group had the following significant subsidiaries:

| | | | F | Proportion of | | Proportion of nary shares |
|------------------------------------------------------------|---------------|---------------------------|----------|---------------|------------|------------------------------|
| | | | ordinary | shares held | held by no | n-controlling |
| | | | by th | e Group (%) | | interests (%) |
| Name of company | Country | Business | 2021 | 2020 | 2021 | 2020 |
| PT. Indo Tambangraya Megah Tbk. | Indonesia | Investment in coal mining | 07.40 | 07.40 | 00.07 | 00.07 |
| and its subsidiaries Banpu Australia Co., Pty Ltd. | Australia | Investment in coal mining | 67.13 | 67.13 | 32.87 | 32.87 |
| and its subsidiaries Banpu Power Public Company Limited | Thailand | Investment in power | 100.00 | 100.00 | - | - |
| and its subsidiaries | | business | 78.66 | 78.66 | 21.34 | 21.34 |
| Banpu North America Corporation | United States | Natural gas business | | | | |
| and its subsidiaries | | | 100.00 | 100.00 | - | - |

List of subsidiaries of the Group is disclosed in Note 14.6.

14.3 Non-controlling interests

Set out below are the summarised financial information for each subsidiary that has non-controlling interests that are material to the Group. The amounts disclosed for each subsidiary are before inter-company eliminations.

Summarised statement of financial position

| | PT Indo Tambangraya Megah Tbk. | | | . Banpu Power Public Company Limited | | | | |
|-----------------------------------------------|--------------------------------|----------------------|---------------------------|--------------------------------------|------------------------|------------------------|----------------------------|---------------------------|
| | ι | JS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Bahť000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| Current assets | 988,717 | 419,940 | 33,042,818 | 12,613,785 | 295,708 | 250,309 | 9,882,516 | 7,518,569 |
| Current liabilities | (365,435) | (207,300) | (12,212,805) | (6,226,689) | (328,193) | (135,398) | (10,968,162) | (4,066,978) |
| Total current net assets | 623,282 | 212,640 | 20,830,013 | 6,387,096 | (32,485) | 114,911 | (1,085,646) | 3,451,591 |
| Non-current assets Non-current liabilities | 678,214 (98,406) | 738,691 (105,041) | 22,665,845 (3,288,727) | 22,188,144 (3,155,128) | 1,966,324 (428,473) | 1,536,894 (117,123) | 65,714,349 (14,319,516) | 46,163,826 (3,518,027) |
| Total non-current net assets | 579,808 | 633,650 | 19,377,118 | 19,033,016 | 1,537,851 | 1,419,771 | 51,394,833 | 42,645,799 |
| Net assets | 1,203,090 | 846,290 | 40,207,131 | 25,420,112 | 1,505,366 | 1,534,682 | 50,309,187 | 46,097,390 |
| Accumulated non- | | | | | | | | |
| controlling interest | 384,043 | 267,118 | 12,834,675 | 8,023,454 | 330,772 | 355,125 | 11,054,367 | 10,666,924 |

Summarised statement of comprehensive income

| | PT Indo Tambangraya Megah Tbk. | | | PT Indo Tambangraya Megah Tbk. Banpu Power Public Company Limited | | | | |
|---------------------------------------------------------|--------------------------------|---------------|-------------|-------------------------------------------------------------------|---------|---------------|-----------|-----------|
| For the year ended | ι | JS Dollar'000 | | Bahť000 | | US Dollar'000 | | Bahť000 |
| 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| Revenue | 2,096,720 | 1,192,606 | 67,047,034 | 37,321,050 | 212,167 | 175,930 | 6,784,497 | 5,505,511 |
| Profit before income tax | 621,394 | 72,555 | 19,870,380 | 2,270,514 | 101,058 | 130,490 | 3,231,538 | 4,083,515 |
| Income tax expense | (145,741) | (34,725) | (4,660,372) | (1,086,676) | (1,789) | (9,602) | (57,203) | (300,491) |
| Post-tax profit from continuing | | | | | | | | |
| operations | 475,653 | 37,830 | 15,210,008 | 1,183,838 | 99,269 | 120,888 | 3,174,335 | 3,783,024 |
| Other comprehensive income | | | | | | | | |
| (expense) | (13,645) | (6,184) | (436,340) | (193,509) | 109,494 | 22,566 | 3,501,289 | 706,177 |
| Total comprehensive income | 462,008 | 31,646 | 14,773,668 | 990,329 | 208,763 | 143,454 | 6,675,624 | 4,489,201 |
| Total comprehensive income allocated to non-controlling | | | | | | | | |
| interests | 151,759 | 8,180 | 4,852,809 | 255,975 | 21,994 | 43,117 | 703,290 | 1,349,301 |
| Dividend paid to | | | | | | | | |
| non-controlling interests | 35,090 | 21,292 | 1,162,812 | 661,114 | 13,159 | 12,249 | 422,843 | 390,871 |

Summarised statement of cash flows

| For the years ended 31 December |
|------------------------------------------------------|
| Cash flow from operating activities |
| Cash generated from operations |
| Income tax paid |
| Net cash generated from operating activities |
| Net cash used in investing activities |
| Net cash used in financing activities |
| Net increase in cash and cash equivalents |
| Cash and cash equivalents at beginning of the year |
| Exchange gains (losses) on cash and cash equivalents |
| Cash and cash equivalents at ending of the year |

| | | PT Indo Tambang | jraya Megah Tbk. |
|-----------|---------------|-----------------|------------------|
| | US Dollar'000 | | Bahť000 |
| 2021 | 2020 | 2021 | 2020 |
| | | | |
| 678,608 | 235,464 | 21,699,916 | 7,368,540 |
| (60,891) | (62,721) | (1,947,118) | (1,962,772) |
| 617,717 | 172,743 | 19,752,798 | 5,405,768 |
| (24,683) | (44,837) | (789,291) | (1,403,116) |
| (134,189) | (55,178) | (4,290,975) | (1,726,724) |
| 458,845 | 72,728 | 14,672,532 | 2,275,928 |
| 231,459 | 159,209 | 6,952,357 | 4,800,788 |
| 666 | (478) | 1,467,259 | (124,359) |
| 690,970 | 231,459 | 23,092,148 | 6,952,357 |





Banpu Power Public Company Limited

Bahť000

1,111,701 (232,130) (274,644) 604,927 428,442 (2,237,362) (1,203,993) 3,342,710 30,316 2,169,033

2020

| | | US Dollar'000 | |
|--------------------------------------------------------|-----------|---------------|--------------|
| For the years ended 31 December | 2021 | 2020 | 2021 |
| Cash flow from operating activities | | | |
| Cash generated from (used in) operations | (3,573) | 35,525 | (114,263) |
| Interest paid | (5,148) | (7,418) | (164,632) |
| Income tax paid | (2,775) | (8,776) | (88,751) |
| Net cash generated from (used in) operating activities | (11,496) | 19,331 | (367,646) |
| Net cash generated from (used in) investing activities | (502,002) | 13,691 | (16,052,562) |
| Net cash generated from (used in) financing activities | 524,563 | (71,496) | 16,774,009 |
| Net increase (decrease) in cash and cash equivalents | 11,065 | (38,474) | 353,801 |
| Cash and cash equivalents at beginning of the year | 72,212 | 110,855 | 2,169,033 |
| Exchange gains (losses) on cash and cash equivalents | (4,436) | (169) | 112,020 |
| Cash and cash equivalents at ending of the year | 78,841 | 72,212 | 2,634,854 |

14.4 Investments in associates

The Group has interests in a number of individually immaterial associates that are accounted for using the equity method.

| | Consolidated financial statements | | | | |
|-------------------------------------------------------|-----------------------------------|---------------|-----------|-----------|--|
| | l | JS Dollar'000 | Baht'000 | | |
| | 2021 | 2020 | 2021 | 2020 | |
| Aggregate carrying amount of individually | | | | | |
| immaterial associates | 58,310 | 58,484 | 1,948,709 | 1,756,678 | |
| Aggregate amounts of the reporting entity's share of: | | | | | |
| Loss from continuing activities | (12,605) | (9,494) | (406,722) | (298,343) | |
| Other comprehensive income (expense) | (3,836) | 52 | 50,327 | 6,263 | |
| Total comprehensive expense | (16,441) | (9,442) | (356,395) | (292,080) | |

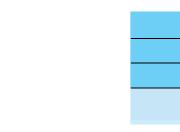
14.5 Investments in joint ventures

Below are the joint ventures that are material to the Group. These joint ventures have share capital consisting solely of ordinary shares, which are held directly by the Group, which has voting rights in proportion to the ordinary shares.

| | | | | Percent of ownership intere | |
|-------------------------------|----------------------------|---------------------------------|-------------|-----------------------------|--------|
| | | | Measurement | 2021 | 2020 |
| Name of company | Country | Business | method | % | % |
| BLCP Power Ltd. | Thailand | Power production and trading | Equity | 50.00 | 50.00 |
| Hongsa Power Company Limited | Laos | Power concession | Equity | 40.00 | 40.00* |
| Shanxi Gaohe Energy Co., Ltd. | People's Republic of China | Coal mining and trading | Equity | 45.00 | 45.00* |

Shareholder agreements of the Group's joint ventures determine the management structure including strategic financial decisions and operations which required unanimous votes from all shareholders or their representatives. The Group has classified these as investments in joint ventures.

Commitments and contingent liabilities in respect of joint ventures



Letter of guarantee

Commitments relating to its joint ventures to the Group are disclosed in Note 31.2.

| | | Consolidated financial statements | | | | |
|------|-------------------|-----------------------------------|--------------|--|--|--|
| I | Million US Dollar | | Million Baht | | | |
| 2021 | 2020 | 2021 | 2020 | | | |
| 2 | 2 | 68 | 68 | | | |



Summarised financial information for joint ventures

Set out below are the summarised financial information for the joint ventures that are material to the Group. The information disclosed reflects the amounts presented in the financial statements of the relevant joint ventures (not the Group's shares of those amounts). They have been amended to reflect adjustments made using the equity method, including fair value adjustments and modifications for differences in the accounting policies of the Group and its joint ventures.

Summarised statement of financial position

| | | | | | I | US Dollar'000 |
|-------------------------------------------------------|---------|--------------|-----------|--------------|-----------|---------------|
| | | | Ho | ngsa Power | Shanxi G | aohe Energy |
| | BLCP P | ower Limited | Comp | oany Limited | | Co., Ltd. |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | |
| Current assets | | | | | | |
| Cash and cash equivalents | 78,694 | 145,995 | 149,162 | 154,519 | 76,987 | 19,061 |
| Deposits at financial institutions used as collateral | - | - | 86,587 | 80,440 | 43,522 | 20,794 |
| Current portion of lease accounts receivable, net | 16,428 | 19,041 | 197,523 | 187,943 | - | - |
| Other current assets | 196,733 | 132,055 | 232,318 | 228,094 | 564,581 | 103,683 |
| Total current assets | 291,855 | 297,091 | 665,590 | 650,996 | 685,090 | 143,538 |
| Non-current assets | | | | | | |
| Lease accounts receivable | 243,893 | 255,664 | 2,098,780 | 2,350,326 | - | - |
| Property, plant and equipment, net | 82,669 | 85,868 | 131,504 | 142,443 | 667,934 | 663,065 |
| Mining property rights, net | - | - | - | - | 677,667 | 729,694 |
| Other non-current assets | 81,041 | 149,154 | 462,811 | 460,512 | 34,520 | 76,148 |
| Total non-current assets | 407,603 | 490,686 | 2,693,095 | 2,953,281 | 1,380,121 | 1,468,907 |
| | | | | | | |
| Current liabilities | | | | | | |
| Current portion of long-term loans from | | | | | | |
| financial institutions, net | 49,846 | 50,931 | 226,122 | 228,414 | 41,834 | 15,326 |
| Other current liabilities | 59,979 | 47,011 | 91,244 | 90,570 | 578,107 | 443,214 |
| Total current liabilities | 109,825 | 97,942 | 317,366 | 318,984 | 619,941 | 458,540 |
| Non-current liabilities | | | | | | |
| Long-term loans from financial institutions, net | 323,718 | 381,566 | 1,485,449 | 1,838,056 | 10,446 | - |
| Other non-current liabilities | 30,427 | 41,077 | 42,064 | 57,453 | 82,213 | 92,554 |
| Total non-current liabilities | 354,145 | 422,643 | 1,527,513 | 1,895,509 | 92,659 | 92,554 |
| | | | | | | |
| Net assets | 235,488 | 267,192 | 1,513,806 | 1,389,784 | 1,352,611 | 1,061,351 |

| | | | | | | Bahť000 |
|---------------------------------------------------|------------|---------------|------------|---------------|--------------|--------------|
| | | | | longsa Power | Shanxi (| Gaohe Energy |
| | | Power Limited | | npany Limited | | Co., Ltd |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| Current assets | | | | | | |
| Cash and cash equivalents | 2,629,952 | 4,385,275 | 4,984,993 | 4,641,309 | 2,572,900 | 572,534 |
| Deposits at financial institutions used | - | - | 2,893,727 | 2,416,174 | 1,454,493 | 624,606 |
| as collateral | | | | | | |
| Current portion of lease accounts receivable, net | 549,037 | 571,923 | 6,601,210 | 5,645,274 | - | |
| Other current assets | 6,574,815 | 3,966,589 | 7,764,038 | 6,851,274 | 18,868,243 | 3,114,340 |
| Total current assets | 9,753,804 | 8,923,787 | 22,243,968 | 19,554,031 | 22,895,636 | 4,311,480 |
| | | | | | | |
| Non-current assets | | | | | | |
| Lease accounts receivable | 8,150,866 | 7,679,418 | 70,141,004 | 70,596,987 | - | |
| Property, plant and equipment, net | 2,762,794 | 2,579,216 | 4,394,854 | 4,278,561 | 22,322,277 | 19,916,55 |
| Mining property rights, net | - | - | - | - | 22,647,539 | 21,917,84 |
| Other non-current assets | 2,708,396 | 4,480,142 | 15,467,084 | 13,832,434 | 1,153,662 | 2,287,26 |
| Total non-current assets | 13,622,056 | 14,738,776 | 90,002,942 | 88,707,982 | 46,123,478 | 44,121,67 |
| | | | | | | |
| Current liabilities | | | | | | |
| Current portion of long-term loans from | | | | | | |
| financial institutions, net | 1,665,850 | 1,529,832 | 7,556,981 | 6,860,894 | 1,398,083 | 460,34 |
| Other current liabilities | 2,004,496 | 1,412,074 | 3,049,352 | 2,720,456 | 19,320,277 | 13,312,84 |
| Total current liabilities | 3,670,346 | 2,941,906 | 10,606,333 | 9,581,350 | 20,718,360 | 13,773,19 |
| Non-current liabilities | | | | | | |
| Long-term loans from financial institutions, net | 10,818,638 | 11,461,131 | 49,643,567 | 55,209,871 | 349,101 | |
| Other non-current liabilities | 1,016,866 | 1,233,830 | 1,405,785 | 1,725,727 | 2,747,560 | 2,780,04 |
| Total non-current liabilities | 11,835,504 | 12,694,961 | 51,049,352 | 56,935,598 | 3,096,661 | 2,780,04 |
| | 7.070.0.1 | 0.005.005 | 50 504 055 | | 15 00 / 00 - | |
| Net assets | 7,870,010 | 8,025,696 | 50,591,225 | 41,745,065 | 45,204,093 | 31,879,91 |



Summarised statement of comprehensive income

| | | | | | ι | JS Dollar'000 |
|---------------------------------------------------|-----------|---------------|-----------|---------------|-----------|---------------|
| | | | F | longsa Power | Shanxi G | Baohe Energy |
| | BLCP F | Power Limited | Cor | npany Limited | | Co., Ltd. |
| For the years ended 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | |
| Sales and service income | 448,999 | 445,353 | 649,913 | 626,436 | 1,145,587 | 594,784 |
| Cost of sales and services | (389,220) | (374,683) | (277,353) | (244,426) | (510,520) | (370,224) |
| Depreciation and amortisation | (853) | (747) | (2,175) | (2,106) | (192,972) | (133,221) |
| Interest income | 392 | 827 | 2,123 | 2,599 | 1,893 | 700 |
| Interest expense | (15,882) | (19,901) | (108,166) | (125,653) | (9,548) | (8,412) |
| Income taxes | (19,864) | (28,832) | (19,893) | - | (117,176) | (35,382) |
| | | | | | | |
| Profit for the year | 13,529 | 34,082 | 267,138 | 243,165 | 317,264 | 48,245 |
| Other comprehensive income (expense) for the year | (34,124) | (6,530) | (94,664) | (3,608) | 23,558 | 54,827 |
| Total comprehensive income (expense) for the year | (20,595) | 27,552 | 172,474 | 239,557 | 340,822 | 103,072 |
| Dividend paid to shareholders of joint ventures | 11,109 | 12,184 | 48,452 | 28,473 | 49,562 | 107,332 |

| | | | | | | Baht'000 |
|-------------------------------------------------|--------------|---------------|-------------|---------------|--------------|--------------|
| | | | F | longsa Power | Shanxi (| Gaohe Energy |
| | BLCP I | Power Limited | Cor | npany Limited | | Co., Ltd. |
| For the years ended 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | |
| Sales and service income | 14,357,682 | 13,936,738 | 20,782,341 | 19,603,498 | 36,632,560 | 18,612,986 |
| Cost of sales and services | (12,446,135) | (11,725,217) | (8,868,950) | (7,648,982) | (16,324,950) | (11,585,686) |
| Depreciation and amortisation | (27,276) | (23,381) | (69,560) | (65,891) | (6,170,704) | (4,168,936) |
| Interest income | 12,535 | 25,876 | 67,882 | 81,340 | 60,530 | 21,893 |
| Interest expense | (507,860) | (622,764) | (3,458,826) | (3,932,162) | (305,318) | (263,234) |
| Income taxes | (635,195) | (902,252) | (636,107) | - | (3,746,950) | (1,107,219) |
| | | | | | | |
| Profit for the year | 432,700 | 1,084,107 | 8,536,386 | 7,587,222 | 10,273,461 | 1,509,804 |
| Other comprehensive income (expense) | | | | | | |
| for the year | (238,386) | (251,893) | 1,830,054 | (480,837) | 4,635,555 | 1,596,522 |
| | | | | | | |
| Total comprehensive income for the year | 194,314 | 832,214 | 10,366,440 | 7,106,385 | 14,909,016 | 3,106,326 |
| | | | | | | |
| Dividend paid to shareholders of joint ventures | 350,000 | 400,000 | 1,520,280 | 903,825 | 1,584,839 | 3,358,826 |

Reconciliation of the summarised financial information

Reconciliation of the summarised financial information presented to the carrying amount of its interest in joint ventures.

BLCP Pow 2021

| | 2021 |
|------------------------------------------|----------|
| | |
| Net assets as at 1 January | 267,192 |
| Profit for the year | 13,529 |
| Other comprehensive income (expense) | (34,124) |
| Dividend paid | (11,109) |
| Net assets as at 31 December | 235,488 |
| | |
| Ownership percentage in joint ventures | |
| by the Group | 50% |
| Interests in joint ventures | 117,744 |
| Impacts of change in functional currency | |
| of joint ventures | - |
| Carrying value as at 31 December | 117,744 |

Net assets as at 1 January

Net assets as at 31 December

Other comprehensive income (expense)

Ownership percentage in joint ventures

Impacts of change in functional currency

Carrying value as at 31 December

Profit for the year

Dividend paid

by the Group

of joint ventures

Interests in joint ventures

| | | | | | Baht'000 |
|-----------|---------------|-------------|---------------|-------------|--------------|
| | | F | longsa Power | Shanxi (| Gaohe Energy |
| BLCP F | Power Limited | Con | npany Limited | | Co., Ltd. |
| 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | |
| 8,025,696 | 7,593,482 | 41,745,065 | 35,542,505 | 31,879,916 | 32,132,416 |
| 432,700 | 1,084,107 | 8,536,386 | 7,587,222 | 10,273,461 | 1,509,804 |
| (238,386) | (251,893) | 1,830,054 | (480,837) | 4,635,555 | 1,596,522 |
| (350,000) | (400,000) | (1,520,280) | (903,825) | (1,584,839) | (3,358,826) |
| 7,870,010 | 8,025,696 | 50,591,225 | 41,745,065 | 45,204,093 | 31,879,916 |
| | | | | | |
| | | | | | |
| 50% | 50% | 40% | 40% | 45% | 45% |
| 3,935,005 | 4,012,848 | 20,236,490 | 16,698,026 | 20,341,842 | 14,345,962 |
| | | | | | |
| - | - | 708,087 | 1,961,655 | - | - |
| 3,935,005 | 4,012,848 | 20,944,577 | 18,659,681 | 20,341,842 | 14,345,962 |

| | | | | | | Baht'000 |
|---------|------|---------------|-------------|---------------|-------------|--------------|
| | | | ŀ | longsa Power | Shanxi (| Gaohe Energy |
| BI | CP | Power Limited | Cor | npany Limited | | Co., Ltd. |
| 20 |)21 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | |
| 8,025,6 | 696 | 7,593,482 | 41,745,065 | 35,542,505 | 31,879,916 | 32,132,416 |
| 432, | 700 | 1,084,107 | 8,536,386 | 7,587,222 | 10,273,461 | 1,509,804 |
| (238,3 | 386) | (251,893) | 1,830,054 | (480,837) | 4,635,555 | 1,596,522 |
| (350,0 | 000) | (400,000) | (1,520,280) | (903,825) | (1,584,839) | (3,358,826) |
| 7,870,0 | 010 | 8,025,696 | 50,591,225 | 41,745,065 | 45,204,093 | 31,879,916 |
| | | | | | | |
| | | | | | | |
| | 50% | 50% | 40% | 40% | 45% | 45% |
| 3,935,0 | 005 | 4,012,848 | 20,236,490 | 16,698,026 | 20,341,842 | 14,345,962 |
| | | | | | | |
| | - | - | 708,087 | 1,961,655 | - | - |
| 3,935,0 | 005 | 4,012,848 | 20,944,577 | 18,659,681 | 20,341,842 | 14,345,962 |
| | | | | | | |

| | | | | US Dollar'000 |
|-----------|-----------|---------------|-----------|---------------|
| | H | longsa Power | Shanxi (| Gaohe Energy |
| r Limited | Cor | npany Limited | | Co., Ltd. |
| 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | |
| 251,824 | 1,389,784 | 1,178,700 | 1,061,351 | 1,065,611 |
| 34,082 | 267,138 | 243,165 | 317,264 | 48,245 |
| (6,530) | (94,664) | (3,608) | 23,558 | 54,827 |
| (12,184) | (48,452) | (28,473) | (49,562) | (107,332) |
| 267,192 | 1,513,806 | 1,389,784 | 1,352,611 | 1,061,351 |
| | | | | |
| | | | | |
| 50% | 40% | 40% | 45% | 45% |
| 133,596 | 605,522 | 555,914 | 608,675 | 477,608 |
| | | | | |
| - | 21,188 | 65,307 | - | - |
| 133,596 | 626,710 | 621,221 | 608,675 | 477,608 |



Individually immaterial joint ventures

In addition to the investment in joint ventures disclosed above, the Group also has investments in a number of individually immaterial joint ventures that are accounted for using the equity method.

| | | | Consolidated fina | ncial statements |
|-------------------------------------------|----------|---------------|-------------------|------------------|
| | | US Dollar'000 | | Baht'000 |
| | 2021 | 2020 | 2021 | 2020 |
| Aggregate carrying amount of individually | | | | |
| immaterial joint ventures | 234,015 | 399,041 | 7,820,756 | 11,986,024 |
| Aggregate amounts of the reporting | | | | |
| entity's share of: | | | | |
| Profit (loss) from continuing activities | (16,646) | 8,811 | (557,052) | 280,637 |
| Other comprehensive expense | (82,659) | (37,560) | (1,337,440) | (1,298,149) |
| Total comprehensive expense | (99,305) | (28,749) | (1,894,492) | (1,017,512) |

14.6 List of subsidiaries and associates and joint arrangements

| | | | Percenta | age of direct |
|------------------------------------------------|-----------|-------------------------------------|----------------------|---------------|
| | | | s | shareholding |
| | | | 2021 | 2020 |
| Name of company | Country | Business | % | % |
| Direct shareholding | | | | |
| Banpu Minerals Co., Ltd. | Thailand | Coal trading and investment in coal | 100.00 | 100.00 |
| | | mining | | |
| BP Overseas Development Co., Ltd. | Mauritius | Investment in coal mining and | 75.00 ⁽⁶⁾ | 100.00 |
| | | trading | | |
| Banpu Power Public Company Limited | Thailand | Investment in power | 78.66 | 78.66 |
| BOG Co., Ltd. | Thailand | Investment in power | 100.00 | 100.00 |
| Banpu Engineering Services Co., Ltd. | Thailand | Investment in renewable energy | 100.00 | 100.00 |
| Banpu Innovation & Ventures Co., Ltd. | Thailand | Research and development | 100.00 | 100.00 |
| Banpu Next Co., Ltd. | Thailand | Investment in clean energy | 50.00 (5) | 50.00 (5) |
| Banpu Vietnam Limited Liability Company | Vietnam | Coal and power management | 100.00 | 100.00 |
| Indirect shareholding | | | | |
| Banpu Minerals Co., Ltd. and its subsidiaries, | | | | |
| an associate and a joint venture as follow: | | | | |
| Subsidiaries | | | | |
| 1) Banpu Coal Sales Co., Ltd. | Thailand | Coal trading | 100.00 | 100.00 |
| 2) Banpu International Limited | Thailand | Coal trading and project | 100.00 | 100.00 |
| | | feasibility study | | |

| | | | | ge of direc |
|----------------------------------------------------------|----------------------------|---------------------------------------|----------------------|-------------------|
| | | | 2021 | hareholdin 202 |
| Name of company | Country | Business | % | 202 |
| 3) Banpu Coal Investment Company Limited and its | Mauritius | Investment in coal mining | 100.00 | 100.0 |
| subsidiary | | | | |
| - Banpu Minerals (Singapore) Pte. Ltd. | Singapore | Investment in coal mining | 50.00 ⁽²⁾ | 50.00 |
| 4) Banpu Minerals (Singapore) Pte. Ltd. and subsidiaries | Singapore | Investment in coal mining | 50.00 ⁽²⁾ | 50.00 |
| - PT. Indo Tambangraya Megah Tbk (ITM) | Indonesia | Investment in coal mining | 67.13 | 67.1 |
| and subsidiaries | | | | |
| - PT. Indominco Mandiri (IMM) | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Kitadin (KTD) | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Trubaindo Coal Mining (TCM) | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Bharinto Ekatama (BEK) | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Jorong Barutama Greston (JBG) | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Tambang Raya Usaha Tama | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. ITM Energi Utama | Indonesia | Investment in power | 99.99 | 99.9 |
| - PT. Energi Batubara Perkasa | Indonesia | Coal Trading | 100.00 | 100.0 |
| - PT. Nusa Persada Resources | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. ITM Bhinneka Power | Indonesia | Investment in power | 70.00 ⁽⁴⁾ | 70.00 |
| (formerly named PT. ITM Banpu Power) | | | | |
| - PT. ITM Batubara Utama | Indonesia | Investment in coal mining | 100.00 | 100.0 |
| - PT. Tepian Indah Sukses | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Gasemas | Indonesia | Fuel trading | 98.70 | 98.0 |
| - PT. Sentral Mutiara Energy and its subsidiary | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| - PT. Graha Panca Karsa | Indonesia | Coal mining and trading | 70.00 | 75.0 |
| - PT. ITM Indonesia | Indonesia | Coal mining and trading | 100.00 | 100.0 |
| and joint arrangement | | | | |
| Joint arrangement - Joint venture | | | | |
| - PT. Nusantara Timur Unggul | Indonesia | Logistic service | 33.34 ⁽¹⁾ | 33.34 |
| - BMS Coal Sales Pte. Ltd. | Singapore | Coal trading and provide service | 100.00 | 100.0 |
| | - 31 | in mining | | |
| - Banpu (Shanghai) Trading Co., Ltd. | People's Republic of China | Coal trading | - | 100.0 |
| - Banpu (Beijing) Trading Ltd. | People's Republic of China | Coal trading | 100.00 | 100.0 |
| - Hunnu Coal Pty Ltd. and subsidiaries | Australia | Investment in coal mining and trading | 100.00 | 100.0 |
| - Hunnu Resources LLC and subsidiaries | Mongolia | Coal trading | 100.00 | 100.0 |
| - Munkh Sumber Uul LLC | Mongolia | Coal mining and trading | 100.00 | 100.0 |
| - Golden Gobi Mining LLC | Mongolia | Coal mining and trading | - | 100.0 |
| - Bilegt Khairkhan Uul LLC | Mongolia | Coal mining and trading | 100.00 | 100.0 |
| - Hunnu Power LLC | Mongolia | Coal trading | - | 100.0 |
| - Munkhnoyon Suvrager LLC | Mongolia | Business consult in coal mining | 100.00 | 100.0 |
| | mongona | and trading | 100.00 | |
| - Hunnu Investments Pte Ltd. and a subsidiary | Singapore | Coal trading | 100.00 | 100.0 |
| - Hunnu Altai LLC and subsidiaries | Mongolia | Coal mining and trading | 100.00 | 100.0 |
| - Hunnu Global Altai LLC | Mongolia | Coal mining and trading | 80.00 | 80.0 |
| | | g and roanig | 00.00 | 00.0 |

5) BP Overseas Development Co., Ltd.

Mauritius

Investment in coal mining and trading

25.00⁽⁶⁾

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• • •



| | | | | age of direct |
|---------------------------------------------------------------------|----------------------------|---------------------------------------|----------------------|----------------------|
| | | | | hareholding |
| Name of company | Country | Business | 2021 % | 2020 % |
| Joint arrangement - Joint venture | | | | |
| 6) Hebi Zhong Tai Mining Co., Ltd. | People's Republic of China | Coal mining and trading | 40.00 ⁽¹⁾ | 40.00 ⁽¹⁾ |
| ,, | · · · · • • · · · · | · · · · · · · · · · · · · · · · · · · | | |
| BP Overseas Development Co., Ltd. | | | | |
| A subsidiary is as follows: | | | | |
| Asian American Coal Inc. | British Virgin Islands | Investment in coal mining | 100.00 | 100.00 |
| and subsidiaries and a joint venture as follows: | British virgin lolando | involutione in oodi mining | 100.00 | 100.00 |
| Subsidiaries | | | | |
| - Banpu Singapore Pte. Ltd. and subsidiaries | Singapore | Coal trading | 100.00 | 100.00 |
| - Banpu Australia Co. Pty Ltd. and subsidiaries | Australia | Investment in coal mining | 100.00 | 100.00 |
| - AFE Investments Pty Ltd. | Australia | Investment in coal mining | 100.00 | 100.00 |
| - Are investments rty Ltd. - Banpu Australia Resources Pty. Ltd. | Australia | Investment in coal mining | 100.00 | 100.00 |
| - Banpu Australia Resources Fty. Ltd. | Australia | Investment in renewable energy | 100.00 | 100.00 |
| - Banpu Energy Australia Pty. Etc. and subsidiaries | Australia | | 100.00 | 100.00 |
| | | Renewable energy | 80.00 ⁽⁷⁾ | 100.00 |
| - Banpu Energy Hold Trust and subsidiaries | Australia | Investment in renewable energy | | - |
| - FS NSW Project No. 1 HT Pty Ltd. | Australia | Investment in renewable energy | 100.00 | - |
| - FS NSW Project No. 1 Hold Trust | Australia | Investment in renewable energy | 100.00 | - |
| - Manildra Prop Hold Pty Ltd. | Australia | Investment in renewable energy | 100.00 | - |
| - Manildra Hold Trust | Australia | Investment in renewable energy | 100.00 | - |
| - Banpu Energy Holding Pty Ltd. | Australia | Investment in renewable energy | 100.00 | - |
| - Centennial Coal Co., Ltd. and subsidiaries, | Australia | Investment in coal mining and trading | 100.00 | 100.00 |
| an associate and joint ventures as follow: | | | | |
| Subsidiaries | | | | |
| - Centennial Wallarah Pty Ltd. | Australia | Investment in coal mining | 100.00 | 100.00 |
| - Centennial Inglenook Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Coal Services and Marketing Pty Ltd. | | Sales and marketing | 100.00 | 100.00 |
| - Centennial Northern Coal Services Pty Ltd. | Australia | Mining Services | 100.00 | 100.00 |
| - Centennial Airly Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Berrima Coal Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Angus Place Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Coal Infrastructure Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Fassifern Pty Ltd. and a subsidiary | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Powercoal Pty Ltd. and subsidiaries | Australia | Investment in coal mining and trading | 100.00 | 100.00 |
| - Elcom Collieries Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Huntley Colliery Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Mandalong Pastoral Management Pty Ltd. | Australia | Investment in coal mining and trading | 100.00 | 100.00 |
| - Collieries Superannuation Pty Ltd. | Australia | Manage provident fund | 100.00 | 100.00 |
| - Powercoal Superannuation Pty Ltd. | Australia | Manage provident fund | 100.00 | 100.00 |
| - Centennial Northern Mining Services Pty Ltd. | Australia | Coal service provider | 100.00 | 100.00 |
| - Centennial Mandalong Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Mannering Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Munmorah Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Myuna Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| - Centennial Springvale Holdings Pty Ltd. | Australia | Coal mining and trading | 100.00 | 100.00 |
| and subsidiaries | | | | |



| | | | Percenta | ge of direct |
|----------------------------------------------------|----------------------------|--------------------------------|----------------------|----------------------|
| | | | s | hareholding |
| New of a | Quantas | Business | 2021 | 2020 |
| Name of company | Country | Business | % | % |
| - Tangshan Banpu Heat & Power Co., Ltd. | People's Republic of China | Power and steam production | 87.92 ⁽³⁾ | 87.92 ⁽³⁾ |
| | | and trading | | |
| - Banpu Investment (China) Ltd. and subsidiaries | People's Republic of China | Investment in power | 100.00 | 100.00 |
| - Banpu Power Trading (Shandong) Co., Ltd. | People's Republic of China | Investment in power | - | 100.00 |
| - Tangshan Banpu Heat & Power Co., Ltd. | People's Republic of China | Power and steam production | 12.08 ⁽³⁾ | 12.08 ⁽³⁾ |
| | | and trading | | |
| - Banpu Power Trading (Hebei) Co., Ltd. | People's Republic of China | Power purchase and trading | - | 100.00 |
| Joint arrangement - Joint ventures | | | | |
| - Shanxi Lu Guang Power Co., Ltd. | People's Republic of China | Power and steam production | 30.00 ⁽¹⁾ | 30.00 ⁽¹⁾ |
| | | and trading | | |
| - Nakoso IGCC Management Co., Ltd. | Japan | Investment in power | 33.50 | - |
| 3) Banpu Power (Japan) Co., Ltd. | Thailand | Investment in renewable energy | 100.00 | 100.00 |
| 4) Banpu Power US Corporation and a subsidiary | United States | Investment in power | 100.00 | - |
| - BKV-BPP Power LLC and a subsidiary | United States | Investment in power | 50.00 ⁽⁸⁾ | - |
| - Temple Generation Intermediate Holdings II, LLC | United States | Investment in power | 100.00 | - |
| and a subsidiary as follow | | | | |
| - Temple Generation I, LLC | United States | Power and steam production | 100.00 | - |
| | | and trading | | |
| Associates | | | | |
| 5) PT. ITM Banpu Power | Indonesia | Investment in power | - | 30.00 |
| 6) Banpu Next Co., Ltd. | Thailand | Investment in clean energy | 50.00 (5) | 50.00 (5) |
| Joint arrangement - Joint ventures | | | | |
| 7) Hongsa Power Company Limited | Laos | Power concession | 40.00 ⁽¹⁾ | 40.00 ⁽¹⁾ |
| 8) Phu Fai Mining Company Limited | Laos | Mining concession | 37.50(1) | 37.50 ⁽¹⁾ |
| | | | | |
| BOG Co., Ltd. | | | | |
| A subsidiary is as follows; | | | | |
| Banpu North America Corporation and a subsidiary | United States | Natural gas business | 100.00 | 100.00 |
| - BKV Corporation and its subsidiaries and a joint | United States | Natural gas business | 96.30 | 96.30 |
| venture | | | | |
| Subsidiaries | | | | |
| - Kalnin Ventures, LLC | United States | Natural gas business | 100.00 | 100.00 |
| - BKV Oil & Gas Capital Partners L.P., | United States | Natural gas business | 100.00 | 100.00 |
| and subsidiaries as follows: | | | | |
| - BKV Chaffee Corners, LLC | United States | Natural gas business | 100.00 | 100.00 |
| - BKV Chelsea, LLC | United States | Natural gas business | 100.00 | 100.00 |
| - BKV Operating, LLC | United States | Natural gas business | 100.00 | 100.00 |
| - BKV Barnett, LLC | United States | Natural gas business | 100.00 | 100.00 |
| Joint arrangement - Joint venture | | | | |
| - BKV-BPP Power LLC | United States | Natural gas business | 50.00 ⁽⁸⁾ | - |

| | | | Percentage of direct shareholding | | |
|-------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------------------------|--------------------------------------|--------------------|--|
| | | | 2021 202 | | |
| Name of company | Country | Business | % | % | |
| Banpu Engineering Services Co., Ltd. | | | | | |
| and a subsidiary as follows: | | | | | |
| Banpu Energy Services (Thailand) Co., Ltd. | Thailand | Investment in renewable energy | 100.00 | 100.0 | |
| and joint ventures as follows: | | | | | |
| - Aura Land Development Pte. Ltd. | Singapore | Investment in renewable energy | 75.00 ⁽¹⁾ | 75.00 ⁽ | |
| - Hokkaido Solar Estate G.K. | Japan | Investment property | 60.00 ⁽¹⁾ | 60.00 ⁽ | |
| Banpu Innovation & Ventures Co., Ltd. | | | | | |
| A subsidiary is as follows: | | | | | |
| Banpu Innovation & Ventures (Singapore) Pte. Ltd. | | | 100.00 | 100.0 | |
| and a subsidiary as follows: | | | | | |
| - Banpu Innovation & Ventures LLC | United States | Research and development | 100.00 | 100.0 | |
| Banpu Next Co., Ltd. ⁽⁶⁾ | | | | | |
| Its subsidiaries, associates and joint ventures are: | | | | | |
| | Maria | have the set for a second black of the | 100.00 | 100.0 | |
| BPIN Investment Co., Ltd. and its associate Durapower Holding Pte. Ltd. | Mauritius Singapore | Investment in renewable energy Energy storage system | 100.00 47.68 | 100.0 47.6 | |
| 2) BRE Singapore Pte. Ltd. and its subsidiaries BPP Vinh Chau Wind Power Limited Liability | Vietnam | Investment in renewable energy | 100.00 | 100.0 | |
| Company | | | | | |
| - El Wind Mui Dinh Ltd. | Vietnam | Power and steam production and trading | 100.00 | | |
| 3) Banpu Japan K.K.and its subsidiary | Japan | Investment in renewable energy | 100.00 | 100.0 | |
| Digital Energy Solutions Corporation | Japan | Power and purchase and trading | 100.00 | 10010 | |
| 4) Banpu Renewable Singapore Pte. Ltd. and subsidiaries, | Singapore | Investment in renewable energy | 100.00 | 100.0 | |
| an associate, and a joint venture Subsidiaries | | | | | |
| - Banpu Power Trading GK | Japan | Power and purchase and trading | 100.00 | 100.0 | |
| - Banpu Renewable Australia Pty Limited | Australia | Renewable energy | 100.00 | . 55.0 | |
| and its associate as follows: | , dolland | nonowable energy | 100.00 | | |
| - Banpu Energy Hold Trust | Australia | Investment in renewable energy | 20.00(7) | | |
| Associate | Additalia | investment in renewable energy | 20.00 | | |
| - Global Engineering Co., Ltd. | Japan | Virtual power plant and | 19.82 | 19.9 | |
| | | power trading | | | |
| Joint arrangement - Joint venture | | | | | |
| - Digital Energy Solutions Corporation | Japan | Power and purchase and trading | - | 49.00 | |
| 5) BPP Renewable Investment (China) Co., Ltd. | People's Republic of China | Investment in renewable energy | 100.00 | 100.0 | |
| and subsidiaries as follow: - Anqiu Huineng Renewable Energy Co., Ltd. | People's Republic of China | Solar power generation | 100.00 | 100.0 | |
| - Weifang Tian'en Jinshan Comprehensive | People's Republic of China | Solar power generation | 100.00 | 100.0 | |
| Energy Co., Ltd. | | | | | |
| - Dongping County Haoyuan Solar Power | People's Republic of China | Solar power generation | 100.00 | 100.0 | |
| Generation Co., Ltd. | , , | | | , | |
| - Angiu County Hui'en PV Technology Co., Ltd. | People's Republic of China | Solar power generation | 100.00 | 100.0 | |
| | | | | | |
| - Jiaxing Deyuan Energy - Saving Technology Co., Ltd. | People's Republic of China | Solar power generation | 100.00 | 100. | |

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| | | | age of direct | |
|---------------------------------------------|----------------------------|----------------------------------------|----------------------|-----------------------|
| | | | S | hareholding |
| | | | 2021 | 2020 |
| Name of company | Country | Business | % | % |
| - Feicheng Xingyu Solar Power PV Technology | People's Republic of China | Solar power generation | 100.00 | 100.00 |
| Co., Ltd. | | | | |
| - Jiangsu Jixin Electric Power Co., Ltd. | People's Republic of China | Solar power generation | 100.00 | 100.00 |
| 6) Banpu Next Green Leasing Co., Ltd. | Thailand | Investment in energy and leasing | 100.00 | 100.00 |
| 7) Banpu Next Ecoserve Company Limited | Thailand | Thailand Energy management business | | - |
| 8) Banpu Renewable Australia Pty Limited | Australia | Renewable energy | - | 100.00 |
| Associates | | | | |
| 9) Urban Mobility Tech Co., Ltd. | Thailand | Electric vehicle business | 39.74 ⁽⁹⁾ | 30.66 ⁽¹¹⁾ |
| 10) FOMM Corporation | Japan | Electric vehicle business | 21.45 | 21.45 |
| 11) Beyond Green Co.Ltd | Thailand | Electronic utility vehicle distributor | 30.00 | - |
| 12) PT. ITM Bhinneka Power | Indonesia | Investment in power | 30.00 ⁽⁴⁾ | - |
| (formerly named PT. ITM Banpu Power) | | | | |
| 13) GEPP Sa-ard Co., Ltd. | Thailand | Trash management services | 25.00 | 25.00 |
| Joint arrangement - Joint ventures | | | | |
| 14) Aizu Energy Pte. Ltd. | Singapore | Investment in renewable energy | 75.00 ⁽¹⁾ | 75.00 ⁽¹⁾ |
| 15) Evolt Technology Co., Ltd | Thailand | Electric vehicle charging system | 15.79 ⁽¹⁾ | - |
| | | service business | | |

Percentage of shareholding by the Group

- (1) Shareholder agreements of the Group's joint ventures have determined the management structure including strategic financial decisions and operations which required unanimous votes/consents from all shareholders or their representatives. The Group has classified these as investments in joint ventures.
- (2) The Group owns 100% shareholding in Banpu Minerals (Singapore) Pte. Ltd., which is held by Banpu Mineral Co., Ltd. and Banpu Coal Investment Company Limited in the proportion of 50% each.
- (3) The Group owns 100% shareholding in Tangshan Banpu Heat & Power Co., Ltd. of which 12.08% shareholding held by Banpu Investment (China) Ltd. and 87.92% shareholding held by Pan-Western Energy Corporation LLC.
- (4) PT. ITM Bhinneka Power (formerly named PT. ITM Banpu Power) owned by PT. Indo Tambangraya Megah Tbk and Banpu Power Public Company Limited in the proportion of 70% and 30% respectively.
- (5) The Group owns 100% shareholding in Banpu Next Co., Ltd., which is held by the Company and Banpu Power Public Company Limited in the proportion of 50% each.
- (6) The Group owns 100% shareholding in BP Overseas Development Co., Ltd., which is held by the Company in the proportion of 75% and by Banpu Minerals Co., Ltd. in the proportion of 25%.
- (7) The Group owns 100% shareholding in Banpu Energy Hold Trust, which is held by Banpu Energy Australia Pty Ltd. in the proportion of 80% and Banpu Renewable Australia Pty Limited in the proportion of 20%.
- (8) The Group owns 100% shareholding in BKV-BPP Power LLC, which is held by Banpu Power US Corporation and Banpu North America Corporation in the proportion of 50% each.

Preference shares held by the Group

(9) The Group holds investments in Urban Mobility Tech Co., Ltd. by newly issued preference shares which are entitled to dividends and voting rights equal to the number of ordinary shares in the proportion of 39.74 of total registered shares (2020: 30.66 of total registered shares).





15. Property, plant and equipment, net

| | Consolidated financial state | | | | | | | cial statements | |
|-----------------------------------------|------------------------------|-------------|-----------------|----------------------------|------------------|----------|----------|-----------------|---------------|
| | | | | | | | | | US Dollar'000 |
| | | | | Machinery and equipment | | | | | |
| | | | | and power plants and | | | | | |
| | | | | components of power plants | | | | | |
| | | | | and gas exploration | | | | | |
| | Land | Land | Building and | and producing assets | Furniture and | Taala | Motor | Construction | Tatal |
| | Land | improvement | infrastructures | and pipelines | office equipment | Tools | vehicles | in progress | Total |
| As at 1 January 2020 | 40,400 | 100.007 | 212.000 | 0.000.004 | 24.200 | 00.001 | 7 000 | 54.050 | 0 704 404 |
| Cost | 48,168 | 183,807 | 313,960 | 3,038,801 | 31,390 | 29,291 | 7,222 | 51,852 | 3,704,491 |
| Less Accumulated depreciation | - | (128,529) | (200,127) | (1,376,460) | (19,890) | (24,170) | (5,453) | - | (1,754,629) |
| Net book amount | 48,168 | 55,278 | 113,833 | 1,662,341 | 11,500 | 5,121 | 1,769 | 51,852 | 1,949,862 |
| For the year ended 31 December 2020 | | | | | | | | | |
| Opening net book amount | 48,168 | 55,278 | 113,833 | 1,662,341 | 11,500 | 5,121 | 1,769 | 51,852 | 1,949,862 |
| Impact of change in accounting policies | - | - | - | (6,195) | - | - | - | - | (6,195) |
| Additions | 3,392 | 468 | 9,511 | 714,302 | 4,891 | 1,536 | 4,823 | 32,350 | 771,273 |
| Disposals - Net book value | (919) | - | (287) | (190) | (191) | (88) | - | - | (1,675) |
| Reclassification | 619 | 9,937 | 13,041 | 26,518 | (5,395) | 1,045 | 83 | (46,146) | (298) |
| Write-off | - | - | (113) | (1,601) | (36) | (16) | - | (1,091) | (2,857) |
| Translation differences | 4,290 | (449) | 5,765 | 80,556 | (3) | 41 | 76 | 672 | 90,948 |
| Depreciation charge | - | (4,554) | (12,155) | (197,378) | (2,852) | (2,095) | (1,127) | - | (220,161) |
| Closing net book amount | 55,550 | 60,680 | 129,595 | 2,278,353 | 7,914 | 5,544 | 5,624 | 37,637 | 2,580,897 |
| As at 31 December 2020 | | | | | | | | | |
| Cost | 55,550 | 193,738 | 345,800 | 3,976,392 | 30,348 | 31,571 | 11,642 | 37,637 | 4,682,678 |
| Less Accumulated depreciation | - | (133,058) | (216,205) | (1,698,039) | (22,434) | (26,027) | (6,018) | - | (2,101,781) |
| - Net book amount | 55,550 | 60,680 | 129,595 | 2,278,353 | 7,914 | 5,544 | 5,624 | 37,637 | 2,580,897 |



| | | | | | | | | | US Dollar'000 |
|------------------------------------------------------|---------|-------------|-----------------|----------------------------|------------------|----------|----------|--------------|---------------|
| | | | | Machinery and equipment | | | | | |
| | | | | and power plants and | | | | | |
| | | | | components of power plants | | | | | |
| | | | | and gas exploration | | | | | |
| | | Land | Building and | and producing assets | Furniture and | | Motor | Construction | |
| | Land | improvement | infrastructures | and pipelines | office equipment | Tools | vehicles | in progress | Total |
| For the year ended 31 December 2021 | | | | | | | | | |
| Opening net book amount | 55,550 | 60,680 | 129,595 | 2,278,353 | 7,914 | 5,544 | 5,624 | 37,637 | 2,580,897 |
| Additions | 20 | - | 149 | 220,161 | 858 | 1,430 | 2,230 | 48,797 | 273,645 |
| Increase form purchase of investment in | | | | | | | | | |
| a subsidiary (Note 14.1 d)) | 1,030 | - | - | 451,707 | 47 | 142 | - | - | 452,926 |
| Increase from business combinations | 2,309 | | 15 | 191,078 | 21 | 46 | - | - | 193,469 |
| Increase from the change in fair value of contingent | | | | | | | | | |
| liabilities from an asset acquisition (Note 6) | - | - | - | 194,973 | - | - | - | - | 194,973 |
| Disposals - Net book value | (4,263) | - | (3) | (9,785) | (205) | - | (50) | - | (14,306) |
| Reclassification | - | 5,012 | 3,050 | 62,954 | 513 | 256 | 62 | (25,658) | 46,189 |
| Write-off | - | - | (392) | (833) | (134) | (91) | 17 | (931) | (2,364) |
| Translation differences | (2,341) | 2 | 1,727 | (32,281) | (35) | (132) | (161) | (936) | (34,157) |
| Depreciation charge | - | (5,172) | (12,150) | (251,334) | (2,569) | (2,069) | (1,853) | - | (275,147) |
| Closing net book amount | 52,305 | 60,522 | 121,991 | 3,104,993 | 6,410 | 5,126 | 5,869 | 58,909 | 3,416,125 |
| As at 31 December 2021 | | | | | | | | | |
| Cost | 52,305 | 197,464 | 350,537 | 4,984,217 | 29,675 | 22 186 | 13,136 | 58 000 | 5 718 720 |
| | | | | | | 32,486 | | 58,909 | 5,718,729 |
| Less Accumulated depreciation | - | (136,942) | (228,546) | (1,879,224) | (23,265) | (27,360) | (7,267) | - | (2,302,604) |
| Net book amount | 52,305 | 60,522 | 121,991 | 3,104,993 | 6,410 | 5,126 | 5,869 | 58,909 | 3,416,125 |

Consolidated financial statements



| | | | | | | | С | onsolidated financ | cial statements |
|---------------------------------------|-----------|-------------|-----------------|----------------------------|------------------|-----------|-----------|--------------------|-----------------|
| | | | | | | | | | US Dollar'000 |
| | | | | Machinery and equipment | | | | | |
| | | | | and power plants and | | | | | |
| | | | | components of power plants | | | | | |
| | | | | and gas exploration | | | | | |
| | | Land | Building and | and producing assets | Furniture and | | Motor | Construction | |
| | Land | improvement | infrastructures | and pipelines | office equipment | Tools | vehicles | in progress | Total |
| at 1 January 2020 | | | | | | | | | |
| st | 1,452,460 | 5,542,509 | 9,467,163 | 91,632,018 | 946,537 | 883,255 | 217,775 | 1,563,565 | 111,705,282 |
| ss Accumulated depreciation | - | (3,875,651) | (6,034,650) | (41,505,720) | (599,804) | (728,858) | (164,458) | - | (52,909,141) |
| t book amount | 1,452,460 | 1,666,858 | 3,432,513 | 50,126,298 | 346,733 | 154,397 | 53,317 | 1,563,565 | 58,796,141 |
| r the year ended 31 December 2020 | | | | | | | | | |
| ening net book amount | 1,452,460 | 1,666,858 | 3,432,513 | 50,126,298 | 346,733 | 154,397 | 53,317 | 1,563,565 | 58,796,141 |
| pact of change in accounting policies | - | - | - | (186,803) | - | - | - | - | (186,803) |
| ditions | 106,150 | 14,655 | 297,619 | 22,353,131 | 153,071 | 48,077 | 150,934 | 1,012,353 | 24,135,990 |
| posals - Net book value | (28,750) | - | (8,984) | (5,960) | (5,960) | (2,763) | - | - | (52,417) |
| classification | 19,369 | 310,958 | 408,092 | 829,837 | (168,833) | 32,703 | 2,597 | (1,444,067) | (9,344) |
| e-off | - | - | (3,525) | (50,090) | (1,137) | (506) | - | (34,142) | (89,400) |
| nslation differences | 119,336 | (27,300) | 147,303 | 1,545,408 | 3,097 | 180 | (2,662) | 32,801 | 1,818,163 |
| preciation charge | - | (142,522) | (380,372) | (6,176,710) | (89,240) | (65,572) | (35,263) | - | (6,889,679) |
| sing net book amount | 1,668,565 | 1,822,649 | 3,892,646 | 68,435,111 | 237,731 | 166,516 | 168,923 | 1,130,510 | 77,522,651 |
| at 31 December 2020 | | | | | | | | | |
| st | 1,668,565 | 5,819,340 | 10,386,820 | 119,439,286 | 911,565 | 948,306 | 349,680 | 1,130,510 | 140,654,072 |
| ss Accumulated depreciation | - | (3,996,691) | (6,494,174) | (51,004,175) | (673,834) | (781,790) | (180,757) | - | (63,131,421) |
| t book amount | 1,668,565 | 1,822,649 | 3,892,646 | 68,435,111 | 237,731 | 166,516 | 168,923 | 1,130,510 | 77,522,651 |





| | | | | | | | C | onsolidated financ | ial statements |
|------------------------------------------------------------------|-----------|---------------------|---------------------------------|---------------------------------------|------------------|-----------|-----------|--------------------|----------------|
| | | | | | | | | | Bahť000 |
| | | | | Machinery and equipment | | | | | |
| | | | | and power plants and | | | | | |
| | | | | components of power plants | | | | | |
| | | Lond | Duilding and | and gas exploration | Furniture and | | Motor | Construction | |
| | Land | Land improvement | Building and infrastructures | and producing assets and pipelines | office equipment | Tools | vehicles | in progress | Total |
| | | | | | | | | | |
| For the year ended 31 December 2021 | | | | | | | | | |
| Opening net book amount | 1,668,565 | 1,822,649 | 3,892,646 | 68,435,111 | 237,731 | 166,516 | 168,923 | 1,130,510 | 77,522,651 |
| Additions | 654 | - | 4,753 | 7,040,108 | 27,447 | 45,742 | 71,312 | 1,560,394 | 8,750,410 |
| Increase form purchase of investment in a subsidiary | | | | | | | | | |
| (Note 14.1 d)) | 32,936 | - | - | 14,444,280 | 1,503 | 4,541 | - | - | 14,483,260 |
| Increase from business combinations | 73,822 | - | 490 | 6,110,113 | 663 | 1,482 | 11 | - | 6,186,581 |
| Increase from the change in fair value of contingent liabilities | | | | | | | | | |
| from an asset acquisition (Note 6) | - | - | - | 6,234,681 | - | - | - | - | 6,234,681 |
| Disposals - Net book value | (136,328) | - | (80) | (312,910) | (6,554) | (15) | (1,605) | - | (457,492) |
| Reclassification | - | 160,262 | 97,531 | 2,013,089 | 16,392 | 8,195 | 1,983 | (820,465) | 1,476,987 |
| Write-off | - | - | (12,548) | (26,651) | (4,273) | (2,919) | 547 | (29,764) | (75,608) |
| Translation differences | 108,381 | 205,129 | 482,659 | 7,867,686 | 23,461 | 13,928 | 14,205 | 128,042 | 8,843,491 |
| Depreciation charge | - | (165,393) | (388,508) | (8,036,944) | (82,159) | (66,150) | (59,247) | - | (8,798,401) |
| Closing net book amount | 1,748,030 | 2,022,647 | 4,076,943 | 103,768,563 | 214,211 | 171,320 | 196,129 | 1,968,717 | 114,166,560 |
| | | | | | | | | | |
| As at 31 December 2021 | | | | | | | | | |
| Cost | 1,748,030 | 6,599,241 | 11,714,926 | 166,572,021 | 991,730 | 1,085,672 | 439,004 | 1,968,717 | 191,119,341 |
| Less Accumulated depreciation | - | (4,576,594) | (7,637,983) | (62,803,458) | (777,519) | (914,352) | (242,875) | - | (76,952,781) |
| Net book amount | 1,748,030 | 2,022,647 | 4,076,943 | 103,768,563 | 214,211 | 171,320 | 196,129 | 1,968,717 | 114,166,560 |



| | | | | | | | | Separate finan | cial statements |
|-------------------------------------|-------|-------------|-----------------|---------------|------------------|-------|----------|----------------|-----------------|
| | | | | | | | | | US Dollar'000 |
| | | Land | Building and | Machinery and | Furniture and | | Motor | Construction | |
| | Land | improvement | infrastructures | equipment | office equipment | Tools | vehicles | in progress | Total |
| As at 1 January 2020 | | | | | | | | | |
| As at 1 January 2020 | 2,028 | 2 6 8 0 | 2 701 | 13,203 | 5,771 | 283 | 849 | 290 | 28,885 |
| Cost | | 2,680 | 3,781 | | | | | | |
| Less Accumulated depreciation | - | (2,588) | (2,181) | (13,159) | (4,326) | (252) | (673) | - | (23,179) |
| Net book amount | 2,028 | 92 | 1,600 | 44 | 1,445 | 31 | 176 | 290 | 5,706 |
| For the year ended 31 December 2020 | | | | | | | | | |
| Opening net book amount | 2,028 | 92 | 1,600 | 44 | 1,445 | 31 | 176 | 290 | 5,706 |
| Additions | - | - | 17 | - | 705 | 19 | - | 644 | 1,385 |
| Disposals - Net book value | - | - | - | - | (1) | - | - | - | (1) |
| Reclassification | | - | 696 | - | 156 | 6 | - | (858) | - |
| Write-off | - | - | - | - | - | - | - | (3) | (3) |
| Depreciation charge | - | (27) | (287) | (40) | (683) | (10) | (117) | - | (1,164) |
| Closing net book amount | 2,028 | 65 | 2,026 | 4 | 1,622 | 46 | 59 | 73 | 5,923 |
| | | | | | | | | | |
| As at 31 December 2020 | | | | | | | | | |
| Cost | 2,028 | 2,669 | 4,494 | 2,777 | 6,571 | 267 | 595 | 73 | 19,474 |
| Less Accumulated depreciation | - | (2,604) | (2,468) | (2,773) | (4,949) | (221) | (536) | - | (13,551) |
| Net book amount | 2,028 | 65 | 2,026 | 4 | 1,622 | 46 | 59 | 73 | 5,923 |





| | | | | | | | | Separate fina | incial statements |
|-------------------------------------|-------|-------------|-----------------|---------------|------------------|-------|----------|---------------|-------------------|
| | | | | | | | | | US Dollar'000 |
| | | Land | Building and | Machinery and | Furniture and | | Motor | Construction | |
| | Land | improvement | infrastructures | equipment | office equipment | Tools | vehicles | in progress | Total |
| | | | | | | | | | |
| For the year ended 31 December 2021 | | | | | | | | | |
| Opening net book amount | 2,028 | 65 | 2,026 | 4 | 1,622 | 46 | 59 | 73 | 5,923 |
| Additions | - | - | 15 | - | 95 | 3 | - | - | 113 |
| Disposals - Net book value | - | - | - | - | (3) | - | - | - | (3) |
| Reclassification | - | - | 6 | - | 1 | - | - | (7) | - |
| Depreciation charge | - | (4) | (368) | (1) | (598) | (14) | (37) | - | (1,022) |
| Closing net book amount | 2,028 | 61 | 1,679 | 3 | 1,117 | 35 | 22 | 66 | 5,011 |
| | | | | | | | | | |
| As at 31 December 2021 | | | | | | | | | |
| Cost | 2,028 | 1,380 | 4,468 | 885 | 5,619 | 138 | 360 | 66 | 14,944 |
| Less Accumulated depreciation | - | (1,319) | (2,789) | (882) | (4,502) | (103) | (338) | - | (9,933) |
| Net book amount | 2,028 | 61 | 1,679 | 3 | 1,117 | 35 | 22 | 66 | 5,011 |





| | | | | | | | | Separate finan | cial statements |
|-------------------------------------|--------|-------------|-----------------|---------------|------------------|---------|----------|----------------|-----------------|
| | | | | | | | | | Bahť'000 |
| | | Land | Building and | Machinery and | Furniture and | | Motor | Construction | |
| | Land | improvement | infrastructures | equipment | office equipment | Tools | vehicles | in progress | Total |
| As at 1 January 2020 | | | | | | | | | |
| Cost | 61,153 | 80,820 | 114,008 | 398,117 | 174,011 | 8,544 | 25,586 | 8,769 | 871,008 |
| Less Accumulated depreciation | - | (78,034) | (65,771) | (396,847) | (130,426) | (7,605) | (20,267) | - | (698,950) |
| Net book amount | 61,153 | 2,786 | 48,237 | 1,270 | 43,585 | 939 | 5,319 | 8,769 | 172,058 |
| - | | | | | | | | | |
| For the year ended 31 December 2020 | | | | | | | | | |
| Opening net book amount | 61,153 | 2,786 | 48,237 | 1,270 | 43,585 | 939 | 5,319 | 8,769 | 172,058 |
| Additions | - | - | 541 | - | 22,065 | 582 | - | 20,143 | 43,331 |
| Disposals - Net book value | - | - | - | - | (47) | - | - | - | (47) |
| Reclassification | - | - | 21,783 | - | 4,870 | 190 | - | (26,843) | - |
| Write-off | - | - | - | - | - | - | - | (84) | (84) |
| Translation differences | (237) | 23 | (722) | 44 | (390) | (22) | 127 | 239 | (938) |
| Depreciation charge | - | (847) | (8,987) | (1,213) | (21,382) | (321) | (3,669) | - | (36,419) |
| Closing net book amount | 60,916 | 1,962 | 60,852 | 101 | 48,701 | 1,368 | 1,777 | 2,224 | 177,901 |
| Ac. et 21 December 2020 | | | | | | | | | |
| As at 31 December 2020 Cost | 60,916 | 80,167 | 134,993 | 83,395 | 197,359 | 8,001 | 17,870 | 2,224 | 584,925 |
| Less Accumulated depreciation | | (78,205) | (74,141) | (83,294) | (148,658) | (6,633) | (16,093) | - | (407,024) |
| Net book amount | 60,916 | 1,962 | 60,852 | 101 | 48,701 | 1,368 | 1,777 | 2,224 | 177,901 |
| | 00,310 | 1,302 | 00,002 | 101 | 40,701 | 1,000 | 1,777 | ۲,۷۷4 | 11,301 |



| | | | | | | | | Separate fina | ncial statements |
|-------------------------------------|--------|-------------|-----------------|---------------|------------------|---------|----------|---------------|------------------|
| | | | | | | | | | Baht'000 |
| | | Land | Building and | Machinery and | Furniture and | | Motor | Construction | |
| | Land | improvement | infrastructures | equipment | office equipment | Tools | vehicles | in progress | Total |
| | | | | | | | | | |
| For the year ended 31 December 2021 | | | | | | | | | |
| Opening net book amount | 60,916 | 1,962 | 60,852 | 101 | 48,701 | 1,368 | 1,777 | 2,224 | 177,901 |
| Additions | - | - | 471 | - | 3,039 | 98 | - | - | 3,608 |
| Disposals - Net book value | - | - | - | - | (100) | - | - | - | (100) |
| Reclassification | - | - | 194 | - | 17 | - | - | (211) | - |
| Write-off | - | - | (3) | - | - | - | - | - | (3) |
| Translation differences | 6,860 | 215 | 6,353 | 9 | 4,756 | 138 | 147 | 241 | 18,719 |
| Depreciation charge | - | (134) | (11,752) | (44) | (19,106) | (451) | (1,177) | - | (32,664) |
| Closing net book amount | 67,776 | 2,043 | 56,115 | 66 | 37,307 | 1,153 | 747 | 2,254 | 167,461 |
| | | | | | | | | | |
| As at 31 December 2021 | | | | | | | | | |
| Cost | 67,776 | 46,133 | 149,311 | 29,562 | 187,787 | 4,597 | 12,041 | 2,254 | 499,461 |
| Less Accumulated depreciation | - | (44,090) | (93,196) | (29,496) | (150,480) | (3,444) | (11,294) | - | (332,000) |
| Net book amount | 67,776 | 2,043 | 56,115 | 66 | 37,307 | 1,153 | 747 | 2,254 | 167,461 |

As at 31 December 2021, assets with net book value of CNY 771.84 million or equivalent to US Dollar 121.27 million were mortgaged and pledged as collateral for long-term loans from financial institutions of a subsidiary in the People's Republic of China (2020: CNY 391.68 million or equivalent to US Dollar 60.23 million) as described in Note 24.

As at 31 December 2021 and 2020, the Group has capital commitments which are shown in Note 31.2.



16. Leases

The carrying amount of balances in relation to leases is as follow:

| | | Cor | solidated financ | ial statements | s Separate financial statements | | | | |
|--------------------------------|--------|---------------|------------------|----------------|---------------------------------|---------------|--------|----------|--|
| | | US Dollar'000 | | Bahť000 | | US Dollar'000 | | Baht'000 | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | |
| Properties | 39,373 | 37,576 | 1,315,845 | 1,128,674 | 2,304 | 3,366 | 77,005 | 101,085 | |
| Equipment | 14,262 | 15,577 | 476,634 | 467,900 | - | - | - | - | |
| Motor vehicles | 12,238 | 18,383 | 408,997 | 552,167 | 5 | 64 | 156 | 1,931 | |
| Total right-of-use assets, net | 65,873 | 71,536 | 2,201,476 | 2,148,741 | 2,309 | 3,430 | 77,161 | 103,016 | |
| Lease liabilities, net | | | | | | | | | |
| Current | 25,806 | 33,482 | 862,422 | 1,005,696 | 1,073 | 1,001 | 35,873 | 30,080 | |
| Non-current | 25,535 | 17,474 | 853,379 | 524,876 | 1,022 | 2,378 | 34,163 | 71,414 | |
| Total lease liabilities, net | 51,341 | 50,956 | 1,715,801 | 1,530,572 | 2,095 | 3,379 | 70,036 | 101,494 | |

The amounts charged to profit or loss and cash flows relating to leases are as follows:

| | Consolidated finan | cial statements | Separate financ | ial statements |
|-------------------------------------------------------------|--------------------|-----------------|-----------------|----------------|
| For the year ended 31 December 2021 | US Dollar'000 | Baht'000 | US Dollar'000 | Bahť'000 |
| | | | | |
| Depreciation charge of right-of-use assets | | | | |
| - Properties | 4,333 | 138,544 | 1,061 | 33,933 |
| - Equipment | 7,984 | 255,305 | - | - |
| - Motor vehicles | 21,043 | 672,882 | 60 | 1,906 |
| Total depreciation charge | 33,360 | 1,066,731 | 1,121 | 35,839 |
| | | | | |
| Addition to the right-of-use assets during the year | 27,946 | 893,640 | - | - |
| | | | | |
| Total cash outflow for leases | 35,116 | 1,122,916 | 1,092 | 34,907 |
| | | | | |
| Interest expense (included in finance cost) | 1,735 | 55,311 | 134 | 4,274 |
| Expense relating to short-term leases (included in cost of | | | | |
| sales and administrative expenses) | 446 | 14,233 | - | - |
| Expense relating to leases of low-value assets that are not | | | | |
| shown above as short-term leases (included in | | | | |
| administrative expenses) | 4 | 127 | - | - |

Statement of Cash Flows





| | Consolidated finance | | Separate financ | |
|-------------------------------------------------------------|----------------------|-----------|-----------------|---------|
| For the year ended 31 December 2020 | US Dollar'000 | Baht'000 | US Dollar'000 | Bahť000 |
| Depreciation charge of right-of-use assets | | | | |
| - Properties | 4,987 | 156,069 | 1,044 | 32,684 |
| - Equipment | 4,947 | 154,804 | - | - |
| - Motor vehicles | 22,969 | 718,781 | 63 | 1,983 |
| Total depreciation charge | 32,903 | 1,029,654 | 1,107 | 34,667 |
| Addition to the right-of-use assets during the year | 39,894 | 1,248,405 | 233 | 7,310 |
| Total cash outflow for leases | 39,116 | 1,224,086 | 1,115 | 34,904 |
| Interest expense (included in finance cost) | 3,173 | 97,747 | 177 | 5,530 |
| Expense relating to short-term leases (included in cost of | | | | |
| sales and administrative expenses) | 480 | 15,001 | - | - |
| Expense relating to leases of low-value assets that are not | | | | |
| shown above as short-term leases (included in | | | | |
| administrative expenses) | 3 | 87 | - | - |
| Expense relating to variable lease payments not included | | | | |
| in lease liabilities (included in administrative expenses) | (72) | (2,252) | - | - |

17. Deferred exploration and development expenditures and deferred overburden expenditures/stripping costs, net

| | Consolidated financial statements | | | | | | | |
|----------------------------------------|-----------------------------------|---------------|------------|------------|--|--|--|--|
| | | US Dollar'000 | | Bahť000 | | | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | | | | |
| | | | | | | | | |
| Current portion: | | | | | | | | |
| - Deferred longwall development costs | 78,475 | 64,505 | 2,622,612 | 1,937,535 | | | | |
| | 78,475 | 64,505 | 2,622,612 | 1,937,535 | | | | |
| Non-current portion: | | | | | | | | |
| - Deferred exploration and development | | | | | | | | |
| expenditures | 803,832 | 886,310 | 26,863,969 | 26,622,175 | | | | |
| - Deferred stripping costs | 85,015 | 129,284 | 2,841,210 | 3,883,323 | | | | |
| | 888,847 | 1,015,594 | 29,705,179 | 30,505,498 | | | | |
| Total | 967,322 | 1,080,099 | 32,327,791 | 32,443,033 | | | | |

| Movement of the | deferred | exploration | and | developme |
|--------------------|-----------|-------------|-----|-----------|
| stripping costs is | as follow | 'S: | | |

| | Consolidated financial statements | | | | |
|--------------------------------|-----------------------------------|---------------|---------------|---------------|--|
| | | US Dollar'000 | | Baht'000 | |
| | 2021 | 2020 | 2021 | 2020 | |
| As at 1 January | | | | | |
| Cost | 6,025,406 | 5,345,529 | 180,985,715 | 161,189,067 | |
| Less Accumulated amortisation | (4,945,307) | (4,328,298) | (148,542,682) | (130,515,491) | |
| Net book amount | 1,080,099 | 1,017,231 | 32,443,033 | 30,673,576 | |
| | | | | | |
| For the year ended 31 December | | | | | |
| Opening net book amount | 1,080,099 | 1,017,231 | 32,443,033 | 30,673,576 | |
| Additions | 509,617 | 575,340 | 16,296,077 | 18,004,508 | |
| Amortisation | (544,134) | (8,144) | (17,399,832) | (254,852) | |
| Reclassification | (45,612) | (558,638) | (1,458,550) | (17,481,835) | |
| Translation differences | (32,648) | 54,310 | 2,447,063 | 1,501,636 | |
| Net book amount | 967,322 | 1,080,099 | 32,327,791 | 32,443,033 | |
| | | | | | |
| As at 31 December | | | | | |
| Cost | 6,100,593 | 6,025,406 | 203,881,207 | 180,985,715 | |
| Less Accumulated amortisation | (5,133,271) | (4,945,307) | (171,553,416) | (148,542,682) | |
| Net book amount | 967,322 | 1,080,099 | 32,327,791 | 32,443,033 | |

The majority of additions and amortisation represents overburden expenditures. The Group presents the amortisation incurred during the year under cost of sales in the consolidated statements of comprehensive income.

18. Mining property rights, net

| | Consolidated financial statemen | | | | | |
|--------------------------------|---------------------------------|-----------|-------------|-------------|--|--|
| | US Dollar'000 Baht'000 | | | | | |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 | | |
| Opening net book value | 1,358,941 | 1,317,836 | 40,818,643 | 39,738,016 | | |
| Amortisation | (37,138) | (40,691) | (1,187,559) | (1,273,361) | | |
| Translation differences | (45,699) | 81,796 | 3,016,179 | 2,353,988 | | |
| Closing net book amount | 1,276,104 | 1,358,941 | 42,647,263 | 40,818,643 | | |

ent expenditures and deferred overburden expenditures/





19. Goodwill

| | Consolidated financial statements | | | | | | |
|----------------------------------------------|-----------------------------------|---------|------------|------------|--|--|--|
| | US Dollar'000 Bat | | | | | | |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 | | | |
| Opening net book value | 446,748 | 397,593 | 13,419,014 | 11,989,012 | | | |
| Addition from business combination (Note 32) | 2,911 | 17,509 | 95,784 | 525,930 | | | |
| Translation differences | (18,091) | 31,646 | 908,147 | 904,072 | | | |
| Closing net book amount | 431,568 | 446,748 | 14,422,945 | 13,419,014 | | | |

Goodwill is not considered as taxable expenses for the Group.

Goodwill allocation for each material cash generation unit (CGU) is presented as follows:

| Consolidated financial statement | | | | | | | |
|----------------------------------|------------|-----------|------------|-----------|--|--|--|
| As at 31 December | | 2021 | 21 202 | | | | |
| | Mining Min | | | | | | |
| | Australia | Mongolia | Australia | Mongolia | | | |
| US Dollar'000 | 354,005 | 38,506 | 372,046 | 38,506 | | | |
| Baht'000 | 11,830,809 | 1,286,870 | 11,175,198 | 1,156,612 | | | |

Impairment tests for goodwill

The Group tests impairment of goodwill annually. Goodwill mainly arose from the acquisition of a group of mining businesses in Australia and Mongolia by comparing the carrying amount to the recoverable amount for each cash-generating unit, which is determined based on value-in-use model. These calculations use cash flow projections based on the approved financial budgets by management. The key assumptions applied in the cash flow projections include the lives of mine, the coal prices in each country, foreign exchange rate forecasts and estimated cost and expenses and discount rates. Cash inflow is calculated from the estimated revenue which is based on the coal reserve production plan of each mine and forecasted selling prices which are refer to an energy research and consulting firm. Cash outflow is used the inflation rate for the five-year period and the constant inflation rate for periods beyond five years. The discount rates used are WACC in each country as detailed below:



For the year ended 31 December 2021, if the discount rate used in the calculation of goodwill arising from acquisition of mining business in Australia increased by 1.26% per annum, the recoverable amounts will be equal to the carrying amount.

20. Deferred income taxes and income tax

Corporate income tax is calculated based on the net profit (tax base) which excludes the interests in associates and joint ventures. The rates are as follows:

| | | | | | | | | | Income | tax rate (%) |
|------|----------|-----------|-----------|-------|-----------|-----------|-------------|----------|--------|--------------|
| | | People's | | | | | | | | |
| | | | | | | | Republic of | | | |
| | Thailand | Australia | Indonesia | Japan | Singapore | Mauritius | China | Mongolia | USA | Vietnam |
| | | | | | | | | | | |
| 021 | 20 | 30 | 22 | 23.2 | 17 | 15 | 12.5-25 | 10-25 | 21 | 20 |
| 2020 | 20 | 30 | 25 | 23.2 | 17 | 15 | 0-25 | 10-25 | 21 | 20 |

20.1 Deferred income tax assets and deferred income tax liabilities

The analysis of deferred tax assets and deferred tax liabilities is as follows:

Deferred tax assets: Deferred tax liabilities: Deferred income taxes, net

| | Consolidated fin | ancial statements |
|----------|------------------|-------------------|
| 2021 | | 2020 |
| Coal | | Coal |
| | | |
| Mongolia | Australia | Mongolia |

| Consolidated financial statements | | | | | | | | |
|-----------------------------------|---------------|-------------|-------------|--|--|--|--|--|
| | US Dollar'000 | Bahť000 | | | | | | |
| 2021 | 2020 | 2021 202 | | | | | | |
| | | | | | | | | |
| 103,567 | 165,679 | 3,461,183 | 4,976,512 | | | | | |
| (84,701) | (150,844) | (2,830,715) | (4,530,914) | | | | | |
| 18,866 | 14,835 | 630,468 | 445,598 | | | | | |

| Separate financial statements | | | | | | | |
|-------------------------------|---------------|-----------|-----------|--|--|--|--|
| | US Dollar'000 |) Bahť000 | | | | | |
| 2021 | 2020 | 2021 | 2020 | | | | |
| | | | | | | | |
| 5,142 | 64,459 | 171,830 | 1,936,161 | | | | |





The movements in deferred tax assets and liabilities during the year are as follows:

| US Delar-000US Delar-000US Delar-000Charged (redited) toComprehensiveValuationRefered tax assets:Employee benefit obligationG. 2021Defired tax assets:ValuationEmployee benefit obligationG. 2023Add to the second t | | | | | Consolidated fina | ancial statements |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|-----------|----------------|--------------------|-------------------|-------------------|
| AltChangeChangeConstrainedAlt description2021ConstrainedCreditionConstrainedAlt description2021ConstrainedConstrainedConstrainedConstrainedEmployee benditabilitationAdt 201StoredAdt 201StoredEmployee benditabilitationAdt 201StoredAdt 201Adt 201Employee benditabilitationAdt 201StoredAdt 201Adt 201Employee benditabilitationAdt 201StoredAdt 201Adt 201Employee benditabilitationAdt 201Adt 201Adt 201Adt 201Employee benditationAdt 201Adt 201Adt 201Adt 201Employee benditationAdt 201Adt 201Adt 201Adt 201Constrained benditationAdt | | | | | | US Dollar'000 |
| 1 January 2021(credited) prior or socomprehensive home or expenseTranslation31 Jacombre 2021Defered tax sests:Employee beneficibilgation6.2381.010(.688).010.6.782Loss carried forward274,31255.94.040.0100.44,100Depreciation and amorisation4.40.03.25.38.040.0101.44,401Investine finipint ventures2.3.297.0481.6.6939.0101.44,402Provision for and enabilization.6.822.01414.0101.26.821Provision for and enabilization.6.822.01414.0101.20.81Provision for and enabilization.01632.0111.0111.20.81Provision for and enabilization.01632.0111.0111.0111Allowance for show moving of.0111.0111.0111.0111Spare parts.01630.0112.0111.0111.0111Other reserves.016407.0111.0111.0111.0111Interstructure.0111.0111.0111.0111.0111Interstructure.0111.0111.0111.0111.0111Interstructure.0111.0111.0111.0111.0111Interstructure.0111.0111.0111.0111.0111Interstructure.0111.0111.0111.0111.0111Interstructure.0111.0111.0111.0111.0111Interstr | | | | Charged (credited) | | |
| 2021profit or isssincome or expensedifferences2221Defered tax assets:Employee benefit obligation6,3281,101(668)(1)6,742Loss carried forward274,31255,934-1,560331,806Enancial derivative16,087(6,231)34,07419044,120Depreciation and amortisation42,0362,5554,445Investments in joint ventures23,297188(6,693)-4,442Provision for decommissioning6,852(1,444)-(1)15,476Allowance for slow moving of2,011Spare parts1,6353,762,011Other reserves36,6677(781)2,021Others44,088(11,668)(1,531)5,47676,835Others16,2051,62052,021Investments in joint ventures(16,206)(12,339)-2,231(26,314)Mining properly rights(29,287)8,566-1(29,312)Fair value upilit from the acquisition of opver plant in the People's Republic of Chan2,431(21,239)(2,231)Investment fair value of building and equipment from the acquisition of opver plant in the People's Republic of Chan(21,239)(2,24)Investment fair value of building and equipment from the acquisition of opver plant in the People's Republic of Chan | | At | Charged | to other | | At |
| Deferred tax assets: u Employee benefit obligation 6,328 1,101 (686) (1) 6,742 Loss caried forward 274,312 55,934 - 1,560 331,086 Financial derivative 15,067 (5,231) 34,074 190 44,120 Depreciation and amoritasion 22,329 188 66,933 - 16,6492 Provision for mine rehabilitation 3,751 691 - - 4,442 Provision for decommissioning 6,852 (1,444) - (1) 5,407 Allowace for slow moving of - - 2,011 Spare parts 1,635 376 - - 2,011 Other reserves 36,067 7(81) - 1(8) 35,268 Others 4493,453 41,702 24,864 7,091 56,710 Defered tax liabilitie: - - 2,231 (26,314) Mining properly rights (16,206) (12,339) - (2,21 | | 1 January | (credited) to | comprehensive | Translation | 31 December |
| Employee benefit obligation6.5281,101(666)(1)6.742Loss carried forward274,31255,934-1,560331,806Financial derivative15,067(5,231)34,07419044,120Depreciation and amoritisation42,0362,536-(115)44,457Investments in joint ventures23,297188(6,933)-44,42Provision for decommissioning6,852(1,44)-44,42Provision for decommissioning6,852(1,44)-4,442Alowance for slow moving of2,0115,476Spare parts1,6353762,011Other reserves36,067(781)-1(8)35,268Others44,93,45341,70224,8647,091567,101Deferred tax liabilities:2,231(26,314)Ining property rights(16,206)(12,339)-2,231(26,314)Mining property rights(292,827)8,556-(4,110)(28,831)Financial derivative(23,21)2,319(23)(2,21,59)and equipment from the acquisition(21,58)1,966(2,93)(2,94)of China(2,943)(23)(2,966)(2,976)and equipment from the acquisition(2,976)(2,976)and equipment from the acquisition- | | 2021 | profit or loss | income or expense | differences | 2021 |
| Less carried forward274,31255,934-1,560331,806Financial derivative15,067(5,231)34,07419044,120Depreciation and amortisation42,0362,536-(115)44,457Investments in joint ventures23,297188(6,933)4,442Provision for mine rehabilitation3,7516914,442Provision for decommissioning6,652(1,444)-(1)5,070Allowance for slow moving of2,0110spare parts1,6353762,011Other reserves36,067(781)2,011Other reserves36,067(781)5,47676,865Total493,45341,70224,8647,091567,110Ning property rights(16,206)(12,339)-2,231(26,314)Financial derivative(2,92,21)8,556(4,110)(283,814)Financial derivative(2,92,817)2,519-(2)Depreciation and amortisation(219,588)(1,966)-(2)power plants in the People's Republic(2)(2,939)of China(2,943)(2)(2,939)and equipment from the acquisition of of power plants1,31079-(11)1,378of power plants(3,512)(4,994)-(103)(6,813)Others58,036(59,27 | | | | | | |
| Financial derivative16.067(5.231)34.07419044.120Depreciation and amortisation44.0362.536-(115)44.457Investments in joint ventures2.3.297188(6.933)-16.492Provision for mine rehabilitation3.751691-4.442Provision for decommissioning6.852(1.444)-(1)5.407Allowate for slow moving of-2.011spare parts1.6353762.011Other reserves84.068(11.668)(1.531)5.47676.863Total493.45341.70224.8647.091567.110Defered tax liabilities:Investments in joint ventures(16.206)(12.339)-2.231(26.341)Ining property rights(16.206)(12.339)-15(221.539)Financial derivative(2.212)2.319-(2.02)(2.864)power plant in the People's Republic(2.943)(2.93)(2.949)of China(2.943)(2.93)(2.969)and equipment from the acquisition of of power plants1.31079-(11)1.378of power plants1.31079-(11)1.378of power plants1.31079(1.235)of power plants1.31079(1.235)of power plants1.31079- | | | 1,101 | (686) | (1) | 6,742 |
| Depreciation and amortisation44.20362.536-(115)44.457Investments in joint ventures23.297188(6.993)-16.492Provision for mine rehabilitation3.7516914.442Provision for decommissioning6.852(1.444)-(1)5.407Allowance for slow moving of2.011Spare parts1.6353762.011Other reserves36.067(711)-(18)35.268Others493.45341.70224.8647.091567.101Defered tax liabilitie:(2.63.11)2.63.11Investments in joint ventures(16.206)(12.339)-2.231(26.314)Mining property rights(292.827)8.566-(4.110)(288.381)Fiancial derivative(2.321)2.319(2.02)Depreciation and amortisation(219.588)(1.966)-15(221.539)Fair value uplift from the acquisition of of power plant in the People's Republic of China(2.943)(2.32)(2.667)Tax effect of currency translation1.51079-(11)1.378Connection fee(558)183-(192)(567)Tax effect of currency translation(3.521)(4.994)(1.239)Others(3.521)(4.994)-(103)(6.648.24)Tax effect of currency translation< | Loss carried forward | | 55,934 | - | 1,560 | 331,806 |
| Investments in joint ventures 23,297 188 (6,93) | Financial derivative | 15,087 | (5,231) | 34,074 | 190 | 44,120 |
| Provision for menehabilitation3,751691Provision for decommissioning6,852(1,444)(1)5,407Allowance for slow moving of< | Depreciation and amortisation | 42,036 | 2,536 | - | (115) | 44,457 |
| Provision for decommissioning6,852(1,444)-(1)5,476Alowance for slow moving ofspare parts1,6353762,011Other reserves36,067(781)-(18)35,268Others84,088(11,688)(1,531)5,47676,365Total493,45341,70224,8647,091567,110Deferred tax liabilities: </td <td>Investments in joint ventures</td> <td>23,297</td> <td>188</td> <td>(6,993)</td> <td>-</td> <td>16,492</td> | Investments in joint ventures | 23,297 | 188 | (6,993) | - | 16,492 |
| Alowance for slow moving of spare parts 1,635 376 - 2,011 Other reserves 36,067 (781) - 1(8) 35,268 Others 84,088 (11,668) (15,31) 5,476 76,865 Total 493,453 41,702 24,864 7,091 667,110 Deferred tax liabilities: 2,231 2,6341 (263,41) Ining property rights (16,206) (12,339) - 2,231 (26,341) Financial derivative (292,827) 8,556 - (4,110) (288,381) Financial derivative (2,321) 2,319 - - (2) Depreciation and amoritisation (219,588) (1,966) - 15 (221,539) Fiar value uplift from the acquisition of power plants in the People's Republic of China (2,943) - - (2) (2,966) Amortisation of fair value of building and equipment from the acquisition of power plants 1,310 78 - 110 1,378 Connection fee (558) 183 - 1(10) (6,671) Tax effect of cu | Provision for mine rehabilitation | 3,751 | 691 | - | - | 4,442 |
| spare parts1,635376-2,011Other reserves36,067(781)-(18)35,268Others84,088(11,668)(15,31)5,47676,666Total493,45341,70224,8647,091667,110Deferred tax liabilities:2,2312,634Investments in joint ventures(16,206)(12,339)-2,231(26,341)Ming properly rights(292,827)8,556-(4,110)(288,381)Financial derivative(2,321)2,319-(2)(2)Depreciation and amoritation(219,588)(1,966)-15(221,539)power plant in the People's Republic of Ohna(2,943)(2)(2,963)and equipment from the acquisition of power plants1,310781,313Connection fe(558)183-(102)(667)Tax effect of currency translation58,036(59,271)1,123Others(3,521)(4,944)-(103)(6,61)Others(3,521)(4,944)-(1,123)(6,61,62)Others(476,618)(6,74,33)-(2,193)(6,61,62) | Provision for decommissioning | 6,852 | (1,444) | - | (1) | 5,407 |
| Other reserves36,067(781)-(18)35,268Others84,088(11,668)(1,531)54,7676,365Total493,45341,70224,8647,091567,110Deferred tax liabilities:Investments in joint ventures(16,206)(12,339)-2,231(26,314)Mining property rights(292,827)8,556-(4,110)(288,381)Financial derivative(2,321)2,319(2)Depreciation and amortisation(219,588)(1,966)-15(221,539)Fair value uplit from the acquisition of power plant in the People's Republic of China(2,943)(2)Amortisation of fair value of building and equipment from the acquisition1,31079-(11)1,378Connection fee(558)183-(192)(567,11)-(1,235)Tax effect of currency translation(1,235)(1,235)Others(3,521)(4,994)-(103)(6,618)Total(476,618)(67,433)-(2,193)(4,64,84,84) | Allowance for slow moving of | | | | | |
| Others 84,088 (11,668) (1,531) 5,476 76,365 Total 493,453 41,702 24,864 7,091 567,110 Deferred tax liabilities: 2,231 2,231 2,63,141 Investments in joint ventures (16,206) (12,339) - 2,231 (26,314) Mining property rights (292,827) 8,556 - (4,110) (283,831) Financial derivative (2,321) 2,319 - - (2) Depreciation and amortisation (219,588) (1,966) - 4(10) (283,831) fair value uplift from the acquisition of power plant in the People's Republic of China (2,943) - - 6(2) and equipment from the acquisition of fair value of building and equipment from the acquisition - - (2,966) - - 1,130 79 - 1 1,378 Connection fee (558) 183 - 1 1,378 - 1 1,235 Others (3,521) (4,994) | spare parts | 1,635 | 376 | - | - | 2,011 |
| Total 493,453 41,702 24,864 7,091 567,110 Deferred tax liabilities: 2,231 (26,314) Mining property rights (16,206) (12,339) - 2,231 (26,314) Mining property rights (292,827) 8,556 - (4,110) (288,381) Financial derivative (2,321) 2,319 - - (2) Depreciation and amortisation (219,588) (1,966) - 15 (221,539) Fair value uplift from the acquisition of power plant in the People's Republic of China (2,943) - - (23) (2,966) Amortisation of fair value of building and equipment from the acquisition - - (23) (2,966) Amortisation of fair value of building of power plants 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) Tax effect of currency translation on tax base 58,036 (59,271) - - (1,235) Others <td< td=""><td>Other reserves</td><td>36,067</td><td>(781)</td><td>-</td><td>(18)</td><td>35,268</td></td<> | Other reserves | 36,067 | (781) | - | (18) | 35,268 |
| Deferred tax liabilities: Investments in joint ventures (16,206) (12,339) - 2,231 (26,314) Mining property rights (292,827) 8,556 - (4,110) (288,381) Financial derivative (2,321) 2,319 - - (2) Depreciation and amortisation (219,588) (1,966) - 15 (221,539) Fair value uplift from the acquisition of power plant in the People's Republic of China (2,943) - - (2) (2,966) Amortisation of fair value of building and equipment from the acquisition of fair value of building of power plants 1,310 79 - (11) 1,378 Connection fee (558) 183 - (112) (567) Tax effect of currency translation - - (1,235) (1,235) Others (3,521) (4,994) - - (1,235) Others (478,618) (67,433) - (2,193) (548,244) | Others | 84,088 | (11,668) | (1,531) | 5,476 | 76,365 |
| Investments in joint ventures (16,206) (12,339) - 2,231 (26,314) Mining property rights (292,827) 8,556 - (4,110) (288,381) Financial derivative (2,321) 2,319 - (20) Depreciation and amortisation (219,588) (1,966) - 15 (221,539) Fair value uplift from the acquisition of power plant in the People's Republic of China - - 16 (22,943) - - (20) Amortisation of fair value of building and equipment from the acquisition of power plants - - 13 (2,946) - 13,78 Connection fee 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) In tax base 58,036 (59,271) - - (1,235) Others (3,521) (4,994) - (103) (64,81) | Total | 493,453 | 41,702 | 24,864 | 7,091 | 567,110 |
| Investments in joint ventures (16,206) (12,339) - 2,231 (26,314) Mining property rights (292,827) 8,556 - (4,110) (288,381) Financial derivative (2,321) 2,319 - (20) Depreciation and amortisation (219,588) (1,966) - 15 (221,539) Fair value uplift from the acquisition of power plant in the People's Republic of China - - 16 (22,943) - - (20) Amortisation of fair value of building and equipment from the acquisition of power plants - - 13 (2,946) - 13,78 Connection fee 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) In tax base 58,036 (59,271) - - (1,235) Others (3,521) (4,994) - (103) (64,81) | | | | | | |
| Mining property rights(292,827)8,556-(4,110)(288,381)Financial derivative(2,321)2,319(2)Depreciation and amortisation(219,588)(1,966)-15(221,539)Fair value uplift from the acquisition of power plant in the People's Republic of China(23)(2,966)Amortisation of fair value of building and equipment from the acquisition of power plants(23)(2,966)Amortisation of fair value of building of power plants(23)(2,966)Connection fee(3,51)79-(11)1,378Connection fee(558)183-(12)(667)Tax effect of currency translation on tax base58,036(59,271)(123)Others(478,618)(67,433)-(2,193)(548,24) | | | | | | |
| Financial derivative (2,321) 2,319 - - (2) Depreciation and amortisation (219,588) (1,966) - 15 (221,539) Fair value uplift from the acquisition of (2,943) - - (23) (2,966) power plant in the People's Republic (2,943) - - (23) (2,966) Amortisation of fair value of building (2,943) - - (23) (2,966) and equipment from the acquisition (2,943) - - (23) (2,966) of power plants 13,100 79 - (11) 1,378 Connection fee (558) 183 - (112) (567) Tax effect of currency translation - - (1,235) (1,235) Others (3,521) (4,994) - - (1,233) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | Investments in joint ventures | (16,206) | (12,339) | - | 2,231 | (26,314) |
| Depreciation and amortisation (219,588) (1,966) - 15 (221,539) Fair value uplift from the acquisition of power plant in the People's Republic - - (23) (2,966) Amortisation of fair value of building and equipment from the acquisition - - (23) (2,966) Amortisation of fair value of building - - (23) (2,966) of power plants 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) Tax effect of currency translation - - (1,235) (1,235) Others (3,521) (4,994) - - (1,245) Total (478,618) (67,433) - (2,193) (548,244) | Mining property rights | (292,827) | 8,556 | - | (4,110) | (288,381) |
| Fair value uplift from the acquisition of power plant in the People's Republic of China(2,943)(23)(2,966)Amortisation of fair value of building and equipment from the acquisition(1,10)(1,10)(1,10)(1,10)of power plants1,31079-(1,11)1,378Connection fee(558)183-(192)(567)Tax effect of currency translation58,036(59,271)(1,235)Others(3,521)(4,994)-(103)(8,618)Total(478,618)(67,433)-(2,193)(548,244) | Financial derivative | (2,321) | 2,319 | - | - | (2) |
| power plant in the People's Republic of China (2,943) - - (23) (2,966) Amortisation of fair value of building and equipment from the acquisition of power plants - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Depreciation and amortisation | (219,588) | (1,966) | - | 15 | (221,539) |
| of China (2,943) - - (23) (2,966) Amortisation of fair value of building - - (23) (2,966) and equipment from the acquisition - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - | Fair value uplift from the acquisition of | | | | | |
| Amortisation of fair value of building and equipment from the acquisition of power plants 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) Tax effect of currency translation on tax base 58,036 (59,271) - - (1,235) Others (3,521) (4,994) - (103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | power plant in the People's Republic | | | | | |
| and equipment from the acquisition 1,310 79 - (11) 1,378 of power plants 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) Tax effect of currency translation - - (1,235) Others (3,521) (4,994) - (103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | of China | (2,943) | - | - | (23) | (2,966) |
| of power plants 1,310 79 - (11) 1,378 Connection fee (558) 183 - (192) (567) Tax effect of currency translation - - (1235) (1235) Others (3,521) (4,994) - (103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | Amortisation of fair value of building | | | | | |
| Connection fee (558) 183 - (192) (567) Tax effect of currency translation - - - - - (1,235) Others 3,521) (4,994) - - 103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | and equipment from the acquisition | | | | | |
| Tax effect of currency translation 58,036 (59,271) - (1,235) Others (3,521) (4,994) - (103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | of power plants | 1,310 | 79 | - | (11) | 1,378 |
| on tax base 58,036 (59,271) - - (1,235) Others (3,521) (4,994) - (103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | Connection fee | (558) | 183 | - | (192) | (567) |
| Others (3,521) (4,994) - (103) (8,618) Total (478,618) (67,433) - (2,193) (548,244) | Tax effect of currency translation | | | | | |
| Total (478,618) (67,433) - (2,193) (548,244) | on tax base | 58,036 | (59,271) | - | - | (1,235) |
| | Others | (3,521) | (4,994) | - | (103) | (8,618) |
| Net 14,835 (25,731) 24,864 4,898 18,866 | Total | (478,618) | (67,433) | - | (2,193) | (548,244) |
| | Net | 14,835 | (25,731) | 24,864 | 4,898 | 18,866 |

Deferred income tax assets are recognised for tax loss and carried forwards only to the extent that realisation of the related tax benefit through the future taxable profits is probable. The Group did not recognise deferred income tax assets amounting to US Dollar 113.54 million from tax losses of US Dollar 567.70 million that could be carried forward against future taxable income, these tax losses will be expired in 2026 (2020: The Group did not recognised deferred income tax assets amounting to US Dollar 94.10 million from tax losses of US Dollar 470.51 million that could be carried forward against future taxable income tax assets amounting to US Dollar 94.10 million from tax losses of US Dollar 470.51

| | | | | С | onsolidated finar | ncial statements |
|-------------------------------------------|-----------|----------------|-----------------------|-----------------|-------------------|------------------|
| | | | | | | US Dollar'000 |
| | At | Charged | Charged (credited) to | Corporatisation | | At |
| | 1 January | (credited) to | other comprehensive | of gas | Translation | 31 December |
| | 2020 | profit or loss | income or expense | business | differences | 2020 |
| Deferred tax assets: | | | | | | |
| Employee benefit obligation | 14,435 | (8,088) | 5 | - | (24) | 6,328 |
| Loss carried forward | 250,249 | 2,153 | - | - | 21,910 | 274,312 |
| Financial derivative | 15,405 | (101) | (217) | - | - | 15,087 |
| Depreciation and amortisation | 46,531 | (5,332) | - | - | 837 | 42,036 |
| Investments in joint ventures | 23,297 | - | - | - | - | 23,297 |
| Provision for mine rehabilitation | 7,370 | (3,619) | - | - | - | 3,751 |
| Provision for decommissioning | 985 | 5,867 | - | - | - | 6,852 |
| Allowance for slow moving of | | | | | | |
| spare parts | 1,978 | (343) | - | - | - | 1,635 |
| Other reserves | 37,008 | (3,963) | - | - | 3,022 | 36,067 |
| Others | 73,159 | 12,242 | 891 | 908 | (3,112) | 84,088 |
| Total | 470,417 | (1,184) | 679 | 908 | 22,633 | 493,453 |
| Deferred tax liabilities: | | | | | | |
| Investments in joint ventures | (20,388) | (648) | 4,857 | - | (27) | (16,206) |
| Mining property rights | (292,579) | 12,305 | - | - | (12,553) | (292,827) |
| Financial derivative | - | (2,321) | - | - | - | (2,321) |
| Depreciation and amortisation | (218,716) | 14,520 | - | - | (15,392) | (219,588) |
| Fair value uplift from the acquisition of | | | | | | |
| power plant in the People's Republic | | | | | | |
| of China | (2,826) | - | - | - | (117) | (2,943) |
| Amortisation of fair value of building | | | | | | |
| and equipment from the acquisition | | | | | | |
| of power plants | 1,202 | 108 | - | - | - | 1,310 |
| Connection fee | (686) | 175 | - | - | (47) | (558) |
| Tax effect of currency translation | | | | | | |
| on tax base | 47,422 | 10,614 | - | - | - | 58,036 |
| Others | (4,411) | 1,169 | - | - | (279) | (3,521) |
| Total | (490,982) | 35,922 | 4,857 | - | (28,415) | (478,618) |
| Net | (20,565) | 34,738 | 5,536 | 908 | (5,782) | 14,835 |





| | | | | Consolidated fin | ancial statements |
|------------------------------------------------|--------------|----------------|-----------------------|------------------|-------------------|
| | | | | | Baht'000 |
| | At | Charged | Charged (credited) to | | At |
| | 1 January | (credited) to | other comprehensive | Translation | 31 December |
| | 2021 | profit or loss | income or expense | differences | 2021 |
| Deferred tax assets: | | | | | |
| Employee benefit obligation | 190,064 | 32,008 | (19,950) | 23,208 | 225,330 |
| Loss carried forward | 8,239,540 | 1,626,232 | - | 1,223,166 | 11,088,938 |
| Financial derivative | 453,157 | (152,076) | 990,671 | 182,728 | 1,474,480 |
| Depreciation and amortisation | 1,262,643 | 73,733 | - | 149,379 | 1,485,755 |
| Investments in joint ventures | 699,784 | 5,468 | (203,340) | 49,234 | 551,146 |
| Provision for mine rehabilitation | 112,659 | 20,099 | - | 15,692 | 148,450 |
| Provision for decommissioning | 205,803 | (41,992) | - | 16,878 | 180,689 |
| Allowance for slow moving of spare parts | 49,099 | 10,940 | - | 7,165 | 67,204 |
| Other reserves | 1,083,340 | (22,709) | - | 118,026 | 1,178,657 |
| Others | 2,525,755 | (339,234) | (44,521) | 410,124 | 2,552,124 |
| Total | 14,821,844 | 1,212,469 | 722,860 | 2,195,600 | 18,952,773 |
| Deferred tax liabilities: | | | | | |
| Investments in joint ventures | (486,775) | (358,738) | - | (33,905) | (879,418) |
| Mining property rights | (8,795,641) | 248,747 | - | (1,090,743) | (9,637,637) |
| Financial derivative | (69,717) | 67,417 | - | 2,225 | (75) |
| Depreciation and amortisation | (6,595,787) | (57,170) | - | (750,859) | (7,403,816) |
| ' Fair value uplift from the acquisition of | | | | | |
| power plant in the People's Republic | | | | | |
| of China | (88,391) | | - | (10,722) | (99,113) |
| Amortisation of fair value of building and | (| | | | (, -, |
| equipment from the acquisition of | | | | | |
| power plants | 39,341 | 2,306 | - | 4,395 | 46,042 |
| Connection fee | (16,749) | 5,326 | - | (7,529) | (18,952) |
| Tax effect of currency translation | (10,110) | 0,020 | | (1,020) | (10,002) |
| on tax base | 1,743,241 | (1,723,276) | | (61,245) | (41,280) |
| Others | (105,768) | (145,197) | | (37,091) | (288,056) |
| - | , , | . , , | | | (18,322,305) |
| Total | (14,376,246) | (1,960,585) | - | (1,985,474) | |
| Net | 445,598 | (748,116) | 722,860 | 210,126 | 630,468 |

| | | | | | Consolidated fin | ancial statement |
|------------------------------------------|--------------|----------------|-----------------------|-----------------|------------------|------------------|
| | | | | | | Bahť000 |
| | At | Charged | Charged (credited) to | Corporatisation | | At |
| | 1 January | (credited) to | other comprehensive | of gas | Translation | 31 December |
| | 2020 | profit or loss | income or expense | business | differences | 2020 |
| Deferred tax assets: | | | | | | |
| Employee benefit obligation | 435,263 | (253,894) | 158 | - | 8,537 | 190,064 |
| Loss carried forward | 7,546,017 | 67,569 | - | - | 625,954 | 8,239,540 |
| Financial derivative | 464,521 | (3,177) | (6,817) | - | (1,370) | 453,157 |
| Depreciation and amortisation | 1,403,082 | (167,372) | - | - | 26,933 | 1,262,643 |
| Investments in joint ventures | 702,507 | - | - | - | (2,723) | 699,784 |
| Provision for mine rehabilitation | 222,244 | (113,622) | - | - | 4,037 | 112,659 |
| Provision for decommissioning | 29,715 | 184,135 | - | - | (8,047) | 205,803 |
| Allowance for slow moving of spare parts | 59,647 | (10,781) | - | - | 233 | 49,099 |
| Other reserves | 1,115,933 | (124,398) | - | - | 91,805 | 1,083,340 |
| Others | 2,206,013 | 384,281 | 27,969 | 28,488 | (120,996) | 2,525,755 |
| Total | 14,184,942 | (37,259) | 21,310 | 28,488 | 624,363 | 14,821,844 |
| Deferred tax liabilities: | | | | | | |
| Investments in joint ventures | (614,766) | (20,348) | 152,448 | - | (4,109) | (486,775) |
| Mining property rights | (8,822,378) | 386,249 | - | - | (359,512) | (8,795,641) |
| Financial derivative | - | (72,858) | - | - | 3,141 | (69,717) |
| Depreciation and amortisation | (6,595,162) | 455,781 | - | - | (456,406) | (6,595,787) |
| Fair value uplift from the acquisition | | | | | | |
| of power plant in the People's | | | | | | |
| Republic of China | (85,229) | - | - | - | (3,162) | (88,391) |
| Amortisation of fair value of building | | | | | | |
| and equipment from the acquisition | | | | | | |
| of power plants | 36,243 | 3,358 | - | - | (260) | 39,341 |
| Connection fee | (20,676) | 5,503 | - | - | (1,576) | (16,749) |
| Tax effect of currency translation | | | | | | |
| on tax base | 1,429,969 | 333,181 | - | - | (19,909) | 1,743,241 |
| Others | (133,050) | 36,825 | - | - | (9,543) | (105,768) |
| Total | (14,805,049) | 1,127,691 | 152,448 | - | (851,336) | (14,376,246) |
| Net | (620,107) | 1,090,432 | 173,758 | 28,488 | (226,973) | 445,598 |



| ehensive Income • Statement of Changes in Equity • Statement of | ehensive Income • Statement of Changes in Equity • Statement |
|-----------------------------------------------------------------|--------------------------------------------------------------|
|-----------------------------------------------------------------|--------------------------------------------------------------|

| | | Separate financial statements | | | | | |
|------------------------------------|-----------|-------------------------------|-----------------------|---------------|--|--|--|
| | | | | US Dollar'000 | | | |
| | At | | Charged (credited) to | At | | | |
| | 1 January | Charged (credited) | other comprehensive | 31 December | | | |
| | 2021 | to profit or loss | income or expense | 2021 | | | |
| | | | | | | | |
| Deferred tax assets: | | | | | | | |
| Employee benefit obligation | 3,214 | (510) | (55) | 2,649 | | | |
| Financial derivative | 4,307 | (1,653) | 2,435 | 5,089 | | | |
| Tax effect of currency translation | | | | | | | |
| on tax base | 55,961 | (59,268) | - | (3,307) | | | |
| Others | 977 | (99) | (167) | 711 | | | |
| Total | 64,459 | (61,530) | 2,213 | 5,142 | | | |

| | | Separate financial statements | | | | | | |
|------------------------------------|-----------|-------------------------------|-----------------------|---------------|--|--|--|--|
| | | | | US Dollar'000 | | | | |
| | At | | Charged (credited) to | At | | | | |
| | 1 January | Charged (credited) | other comprehensive | 31 December | | | | |
| | 2020 | to profit or loss | income or expense | 2020 | | | | |
| | | | | | | | | |
| Deferred tax assets: | | | | | | | | |
| Employee benefit obligation | 2,532 | 180 | 502 | 3,214 | | | | |
| Financial derivative | (715) | (91) | 5,113 | 4,307 | | | | |
| Tax effect of currency translation | | | | | | | | |
| on tax base | 45,740 | 10,221 | - | 55,961 | | | | |
| Others | 593 | (92) | 476 | 977 | | | | |
| Total | 48,150 | 10,218 | 6,091 | 64,459 | | | | |

| | | | | Separate finan | cial statements |
|-------------------------------------------------------------------------------|----------------------------|------------------------------|----------------------------------------------------------------|----------------------------|--------------------------------------------------------|
| | | | | | Bahť000 |
| | At | Charged | Charged (credited) to | | At |
| | 1 January | (credited) to | other comprehensive | Translation | 31 December |
| | 2021 | profit or loss | income or expense | differences | 2021 |
| | | | | | |
| Deferred tax assets: | | | | | |
| Employee benefit obligation | 96,546 | (15,329) | - | 7,331 | 88,548 |
| Financial derivative | 129,360 | (50,917) | 68,472 | 23,137 | 170,052 |
| Tax effect of currency | | | | | |
| translation on tax base | 1,680,941 | (1,861,095) | - | 69,682 | (110,472) |
| Others | 29,314 | (3,001) | (6,105) | 3,494 | 23,702 |
| Total | 1,936,161 | (1,930,342) | 62,367 | 103,644 | 171,830 |
| | | | | | |
| | | | | Separate finan | cial statements |
| | | | | | Baht'000 |
| | At | Charged | Charged (credited) to | | |
| | | | C · · · · J · · · (· · · · · · ·) · · · | | At |
| | 1 January | (credited) to | other comprehensive | Translation | At 31 December |
| | 1 January 2020 | (credited) to profit or loss | - | Translation differences | |
| | | . , | other comprehensive | | 31 December |
| Deferred tax assets: | | . , | other comprehensive | | 31 December |
| Deferred tax assets: Employee benefit obligation | | . , | other comprehensive | | 31 December |
| | 2020 | profit or loss | other comprehensive income or expense | differences | 31 December 2020 |
| Employee benefit obligation | 2020 76,343 | profit or loss 5,524 | other comprehensive income or expense 15,089 | differences (410) | 31 December 2020 96,546 |
| Employee benefit obligation Financial derivative | 2020 76,343 | profit or loss 5,524 | other comprehensive income or expense 15,089 | differences (410) | 31 December 2020 96,546 |
| Employee benefit obligation Financial derivative Tax effect of currency | 2020 76,343 (21,571) | 5,524 (2,398) | other comprehensive income or expense 15,089 | (410) (1,315) | 31 December 2020 96,546 129,360 |





20.2 Income taxes

Income taxes for the year ended 31 December consist of:

| | | | Consolidated fir | Consolidated financial statements | | | |
|------------------------------------|---------|---------------|------------------|-----------------------------------|--|--|--|
| | | US Dollar'000 | | Baht'000 | | | |
| | 2021 | 2020 | 2021 | 2020 | | | |
| Current tax: | | | | | | | |
| Current tax on profit for the year | 164,698 | 39,069 | 5,371,777 | 1,223,041 | | | |
| Withholding tax for dividends | 7,604 | 4,348 | 251,984 | 136,857 | | | |
| Total current taxes | 172,302 | 43,417 | 5,623,761 | 1,359,898 | | | |
| Deferred tax: | | | | | | | |
| Origination and reversal of | | | | | | | |
| temporary differences | 25,731 | (34,738) | 748,116 | (1,090,432) | | | |
| Total deferred tax | 25,731 | (34,738) | 748,116 | (1,090,432) | | | |
| Total tax expenses | 198,033 | 8,679 | 6,371,877 | 269,466 | | | |

| | Separate financial statements | | | | | |
|------------------------------------|-------------------------------|---------------|-----------|-----------|--|--|
| | | US Dollar'000 | | Baht'000 | | |
| | 2021 | 2020 | 2021 | 2020 | | |
| Current tax: | | | | | | |
| Current tax on profit for the year | - | - | - | - | | |
| Withholding tax for dividends | - | - | - | - | | |
| Total current taxes | - | - | - | - | | |
| Deferred tax: | | | | | | |
| Origination and reversal of | | | | | | |
| temporary differences | 61,530 | (10,218) | 1,930,341 | (312,888) | | |
| Total deferred tax | 61,530 | (10,218) | 1,930,341 | (312,888) | | |
| Total tax expenses | 61,530 | (10,218) | 1,930,341 | (312,888) | | |

| Profit (loss) before tax | |
|---------------------------------------------------------|--|
| Tax calculated at a tax rate of 20% (2020: 20%) | |
| Tax effect of: | |
| Income not subject to tax | |
| Expenses not deductible for tax purpose | |
| Tax losses for which no deferred income tax asset | |
| was recognised | |
| Utilisation of previously unrecognised tax losses | |
| Recognition of previously unrecognised tax losses | |
| Deferred income tax assets (liabilities) | |
| from exchange rate translation | |
| Tax assessment | |
| Withholding tax for dividends | |
| Tax effect from different tax rates of foreign entities | |
| Others | |
| Tax expense | |

| Profit (loss) before tax | |
|---------------------------------------------------------|--|
| Tax calculated at a tax rate of 20% (2020: 20%) | |
| Tax effect of: | |
| Income not subject to tax | |
| Expenses not deductible for tax purpose | |
| Tax losses for which no deferred income tax asset | |
| was recognised | |
| Utilisation of previously unrecognised tax losses | |
| Recognition of previously unrecognised tax losses | |
| Deferred income tax assets (liabilities) | |
| from exchange rate translation | |
| Tax assessment | |
| Withholding tax for dividends | |
| Tax effect from different tax rates of foreign entities | |
| Others | |
| Tax expense | |
| | |
| | |

The tax on the Group's profit before tax differs from the theoretical amount that would arise using the basic tax rate of the home country of the company as follows:

| Consolidated financial statements | | | | | | | |
|-----------------------------------|---------------|------------|-----------|--|--|--|--|
| | US Dollar'000 | | Baht'000 | | | | |
| 2021 | 2020 | 2021 | 2020 | | | | |
| 690,522 | (8,051) | 22,344,460 | (299,714) | | | | |
| 38,104 | (1,610) | 4,468,892 | (59,943) | | | | |
| (21,739) | (19,784) | (695,135) | (619,113) | | | | |
| 15,148 | 5,851 | 484,397 | 183,103 | | | | |
| | | | | | | | |
| 11,595 | 41,571 | 370,772 | 1,300,900 | | | | |
| (5,724) | (6,556) | (183,050) | (205,151) | | | | |
| - | - | - | - | | | | |
| | | | | | | | |
| 36,927 | 1,607 | 1,180,805 | 50,293 | | | | |
| 1,855 | 1,476 | 59,318 | 46,190 | | | | |
| 7,604 | 4,348 | 243,166 | 136,052 | | | | |
| (10,802) | (10,591) | (345,417) | (331,431) | | | | |
| 25,065 | (7,633) | 788,129 | (231,434) | | | | |
| 98,033 | 8,679 | 6,371,877 | 269,466 | | | | |

| | | Separate fi | nancial statements |
|----------|---------------|-------------|--------------------|
| | US Dollar'000 | | Baht'000 |
| 2021 | 2020 | 2021 | 2020 |
| 141,696 | 24,989 | 4,520,487 | 815,631 |
| 28,339 | 4,998 | 904,097 | 163,126 |
| (17,894) | (20,909) | (572,206) | (654,295) |
| 2,487 | 930 | 79,532 | 29,090 |
| | | | |
| - | - | - | - |
| - | - | - | - |
| 9,771 | 3,075 | 312,439 | 96,229 |
| | | | |
| 38,803 | 1,688 | 1,240,822 | 52,826 |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| 24 | - | (34,343) | 136 |
| 61,530 | (10,218) | 1,930,341 | (312,888) |





Statement of Cash Flows

21. Other non-current assets

| | Consolidated financial statements | | | al statements | | cial statements | | |
|--------------------------------|-----------------------------------|---------------|------------|---------------|-------|-----------------|---------|---------|
| | ι | JS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Bahť000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Value added tax receivable | 97,304 | 31,741 | 3,251,893 | 953,396 | - | - | - | - |
| Prepaid income tax | 45,054 | 80,038 | 1,505,699 | 2,404,103 | 457 | 943 | 15,282 | 28,329 |
| Deposits | 28,619 | 13,317 | 956,448 | 399,990 | 245 | 296 | 8,195 | 8,889 |
| Restricted deposits at banks | | | | | | | | |
| (Note 14.1 f) | 42,644 | 29,701 | 1,425,165 | 892,119 | - | - | - | - |
| Accrued income | 14,718 | 71,737 | 491,885 | 2,154,788 | - | - | - | - |
| Rights to operate the | | | | | | | | |
| power plants, net | 14,702 | 6,810 | 491,336 | 204,573 | - | - | - | - |
| Others | 57,352 | 44,349 | 1,916,683 | 1,332,132 | 6,697 | 5,572 | 223,791 | 167,361 |
| Total other non-current assets | 300,393 | 277,693 | 10,039,109 | 8,341,101 | 7,399 | 6,811 | 247,268 | 204,579 |

22. Short-term loans from financial institutions

Movements of short-term loans from financial institutions are as follows:

| | Consolidated financial statement | | | | Separate financial statements | | | |
|---------------------------|----------------------------------|---------------|--------------|--------------|-------------------------------|---------------|--------------|--------------|
| | ι | JS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Baht'000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| US Dollar loans | 394,491 | 276,000 | 13,183,837 | 8,290,240 | 220,000 | 276,000 | 7,352,378 | 8,290,240 |
| Baht loans | 766,010 | 536,337 | 25,600,000 | 16,110,000 | 592,461 | 503,045 | 19,800,000 | 15,110,000 |
| Foreign currency loans | 13,406 | 15,181 | 448,024 | 456,001 | - | - | - | - |
| Total | 1,173,907 | 827,518 | 39,231,861 | 24,856,241 | 812,461 | 779,045 | 27,152,378 | 23,400,240 |
| | | | | | | | | |
| Opening balance | 827,518 | 454,861 | 24,856,241 | 13,715,865 | 779,045 | 409,305 | 23,400,240 | 12,342,176 |
| Cash flows: | | | | | | | | |
| Additions | 1,766,914 | 1,389,176 | 56,500,783 | 43,472,457 | 1,246,082 | 1,169,581 | 39,846,088 | 36,600,530 |
| Repayments of loans | (1,368,723) | (1,032,162) | (43,767,793) | (32,300,177) | (1,165,231) | (812,953) | (37,260,707) | (25,440,306) |
| Other non-cash movements: | | | | | | | | |
| - Net (gains) losses on | | | | | | | | |
| exchange rate | (37,623) | 13,112 | (1,203,066) | 410,303 | (47,435) | 13,112 | (1,516,809) | 410,303 |
| - Translation differences | (14,179) | 2,531 | 2,845,696 | (442,207) | - | - | 2,683,566 | (512,463) |
| Closing net book amount | 1,173,907 | 827,518 | 39,231,861 | 24,856,241 | 812,461 | 779,045 | 27,152,378 | 23,400,240 |

Consolidated financial statements

As at 31 December 2021, short-term loans from financial institutions are unsecured liabilities and bore interest at the rates of 1.00% to 4.57% per annum (31 December 2020: 1.28% to 4.90% per annum). The repayments are due within one year.

Separate financial statements

As at 31 December 2021, short-term loans from financial institutions are unsecured liabilities and bore interest at the rates of 1.00% to 2.00% per annum (2020: 1.28% to 1.98% per annum). The repayments are due within one year.

The fair value of short-term loans approximates their carrying amount, as short-term loans from financial institutions had a short period of maturity.

23. Other current liabilities

| | | Cons | olidated financi | al statements | Separate financial statements | | | |
|---------------------------------|---------|---------------|------------------|---------------|-------------------------------|-------|---------|---------|
| | | US Dollar'000 | | Bahť000 | US Dollar'000 Baht | | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Accrued expenses | 381,728 | 180,297 | 12,757,319 | 5,415,609 | 9,448 | 4,228 | 315,753 | 126,997 |
| Contingent liabilities from | | | | | | | | |
| an asset acquisition (Note 6) | 65,000 | - | 2,172,294 | - | | | | |
| Value added tax payable | 22,265 | 4,296 | 744,086 | 129,052 | 8 | 18 | 282 | 552 |
| Withholding tax payable | 12,871 | 7,058 | 430,148 | 212,007 | 1,139 | 766 | 38,073 | 23,003 |
| Other payables for purchase of | | | | | | | | |
| property, plant and equipment | 37,793 | 28,990 | 1,263,045 | 870,773 | 81 | 26 | 2,689 | 760 |
| Advance from customer | 9,350 | 7,679 | 312,462 | 230,642 | - | - | - | - |
| Others | 7,578 | 1,627 | 253,272 | 48,843 | - | - | - | - |
| Total other current liabilities | 536,585 | 229,947 | 17,932,626 | 6,906,926 | 10,676 | 5,038 | 356,797 | 151,312 |





24. Long-term loans from financial institutions, net

| | Consolidated financial statements | | | | Separate financial statements | | | |
|--------------------------------|-----------------------------------|---------------|------------|------------|-------------------------------|-----------|------------|------------|
| | ι | JS Dollar'000 | | Bahť000 | US Dollar'000 Ba | | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Current portion | | | | | | | | |
| Long-term loans from | | | | | | | | |
| financial institutions, net | 517,009 | 531,729 | 17,278,404 | 15,971,608 | 355,871 | 428,938 | 11,893,176 | 12,884,047 |
| Private placement notes, net | - | 143,576 | - | 4,312,603 | - | - | - | - |
| Total current portion, net | 517,009 | 675,305 | 17,278,404 | 20,284,211 | 355,871 | 428,938 | 11,893,176 | 12,884,047 |
| Non-current portion | | | | | | | | |
| Long-term loans from | | | | | | | | |
| financial institutions, net | 2,270,243 | 2,151,115 | 75,871,298 | 64,613,248 | 1,506,331 | 1,563,328 | 50,341,446 | 46,957,843 |
| Private placement notes, net | - | 79,252 | - | 2,380,505 | - | - | - | - |
| Total non-current portion, net | 2,270,243 | 2,230,367 | 75,871,298 | 66,993,753 | 1,506,331 | 1,563,328 | 50,341,446 | 46,957,843 |
| Total long-term loans from | | | | | | | | |
| financial institutions, net | 2,787,252 | 2,905,672 | 93,149,702 | 87,277,964 | 1,862,202 | 1,992,266 | 62,234,622 | 59,841,890 |

Long-term loans from financial institutions

| | Consolidated financial statements | | | | Separate financial statements | | | | |
|----------------------------------|-----------------------------------|---------------|--------------|--------------|-------------------------------|---------------|--------------|--------------|--|
| For the year ended | ι | JS Dollar'000 | | Baht'000 | ι | JS Dollar'000 | | Bahť000 | |
| 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | |
| | | | | | | | | | |
| Long-term US Dollar loans | 1,928,424 | 2,165,598 | 64,447,729 | 65,048,297 | 1,712,000 | 1,825,000 | 57,214,869 | 54,817,708 | |
| Long-term foreign currency loans | 875,968 | 529,863 | 29,274,721 | 15,915,533 | 158,588 | 176,448 | 5,300,000 | 5,300,000 | |
| Total | 2,804,392 | 2,695,461 | 93,722,450 | 80,963,830 | 1,870,588 | 2,001,448 | 62,514,869 | 60,117,708 | |
| Less Deferred financing | | | | | | | | | |
| service fee | (17,140) | (12,617) | (572,748) | (378,974) | (8,386) | (9,182) | (280,247) | (275,818) | |
| | 2,787,252 | 2,682,844 | 93,149,702 | 80,584,856 | 1,862,202 | 1,992,266 | 62,234,622 | 59,841,890 | |
| Less Current portion of | | | | | | | | | |
| long-term loans from | | | | | | | | | |
| financial institutions | (517,009) | (531,729) | (17,278,404) | (15,971,608) | (355,871) | (428,938) | (11,893,176) | (12,884,047) | |
| Long-term loans from financial | | | | | | | | | |
| institutions, net | 2,270,243 | 2,151,115 | 75,871,298 | 64,613,248 | 1,506,331 | 1,563,328 | 50,341,446 | 46,957,843 | |

Movements in long-term loans from financial institutions of the Group are as follows:

| | | Cons | olidated financi | al statements | Separate financial statements | | | |
|---------------------------|-----------|---------------|------------------|---------------|-------------------------------|-----------|--------------|-------------|
| | ι | JS Dollar'000 | | Bahť000 | US Dollar'000 Baht'000 | | | |
| For the year ended | | | | | | | | |
| 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Opening net balance | 2,682,844 | 1,929,926 | 80,584,856 | 58,195,007 | 1,992,266 | 1,261,032 | 59,841,890 | 38,025,180 |
| Cash flows: | | | | | | | | |
| Additions | 861,635 | 1,023,507 | 27,552,585 | 32,029,320 | 317,000 | 956,902 | 10,136,741 | 29,944,993 |
| Increase from business | | | | | | | | |
| combinations | 130,965 | | 4,309,001 | | | | | |
| Repayment of loans | (832,513) | (301,141) | (26,621,350) | (9,423,816) | (430,000) | (224,000) | (13,750,153) | (7,009,789) |
| Financing service fees | (11,775) | (9,244) | (376,545) | (289,277) | (2,501) | (6,867) | (79,953) | (214,892) |
| Other non-cash movements: | | | | | | | | |
| Amortisation of deferred | | | | | | | | |
| financing service fees | 7,618 | 3,827 | 243,578 | 119,774 | 3,297 | 2,652 | 105,436 | 82,991 |
| Net (gains) losses on | | | | | | | | |
| exchange rate | (17,504) | 2,547 | (559,733) | 79,700 | (17,860) | 2,547 | (571,121) | 79,690 |
| Translation differences | (34,018) | 33,422 | 8,017,310 | (125,852) | - | - | 6,551,782 | (1,066,283) |
| Closing net balance | 2,787,252 | 2,682,844 | 93,149,702 | 80,584,856 | 1,862,202 | 1,992,266 | 62,234,622 | 59,841,890 |

As at 31 December 2021, long-term loans of subsidiaries were unsecured loans from banks, except long-term loans of a subsidiary in China are secured over assets as described in Note 15.

Details of long-term loans are shown as follow:

| | Million US Dollar | | | | | |
|-----------------------------|-------------------|-------------------|-----|--|--|--|
| Interest rate | currency) 2020 | (Original 2021 | No. | | | |
| BBA LIBOR plus applicable f | 120 | 120 | 1 | | | |
| | 120 | 120 | I | | | |

| | Million Aust | tralian Dollar | | |
|-----|--------------|----------------|-----------------------------------|-------------------------------------------------|
| | (Original | currency) | | |
| No. | 2021 | 2020 | Interest rate | Due of loan payment |
| | | | | |
| 1 | - | 380 | BBSY plus applicable fixed margin | Repayment on 18 December 2022. |
| 2 | - | 132 | BBSY plus applicable fixed margin | Revolving loan |
| 3 | 400 | - | BBSY plus applicable fixed margin | Repayment annually commencing 30 September 2022 |
| | | | | to expiry of agreement on 30 September 2026. |
| 4 | 62 | - | Fixed rate | Repayment on 22 March 2022 |
| 5 | 109 | - | Fixed rate | Repayment on 10 May 2023 |
| 7 | 12 | - | Fixed rate | Repayment on 21 June 2022 |
| | 583 | 512 | | |

Due of loan payment

e fixed margin Repayment on 25 April 2024.





| | Million Baht (Original currency) | | | |
|-----|-------------------------------------|-------|--------------------------------------|-----------------------------------------------------|
| No. | 2021 2020 | | Interest rate | Due of loan payment |
| 1 | _ | 700 | THB FIX plus applicable fixed margin | Repayment every 6 months commencing 27 June 2019 |
| · | | | | to expiry of agreement on 27 December 2021. |
| 2 | 1,500 | 1,500 | THB FIX plus applicable fixed margin | Repayment every 6 months commencing 21 February |
| | | | | 2022 to expiry of agreement on 21 August 2025. |
| 3 | 1,500 | 1,500 | THB FIX plus applicable fixed margin | Repayment every 6 months commencing 20 June 2022 |
| | | | | to expiry of agreement on 20 December 2025. |
| 4 | 5,000 | - | BOBOR plus applicable fixed margin | Repayment every 6 months commencing 27 October 2024 |
| | | | | to expiry of agreement on 27 October 2031. |
| | 8,000 | 3,700 | | |

| | Million CNY (Original currency) | | | |
|-----|------------------------------------|--------|----------------------------------|----------------------------------------------------|
| No. | 2021 | 2020 | Interest rate | Due of loan payment |
| | | | | |
| 1 | 18.02 | 26.03 | LPR plus applicable fixed margin | Repayment every 3 months commencing 29 March 2019 |
| | | | | to expiry of agreement on 21 January 2024. |
| 2 | 79.61 | 97.33 | LPR plus applicable fixed margin | Repayment every 6 months commencing 30 May 2020 |
| | | | | to expiry of agreement on 30 May 2022. |
| 3 | 15.61 | 31.22 | Fixed rate | Repayment every 3 months commencing 23 May 2019 |
| | | | | to expiry of agreement on 23 May 2022. |
| 4 | 21.40 | 5.11 | Fixed rate | Repayment every 3 months commencing 11 August 2020 |
| | | | | to expiry of agreement on 1 July 2023. |
| 5 | 64.15 | 12.96 | LPR plus applicable fixed margin | Repayment every 3 months an expiry of agreement on |
| | | | | 29 August 2031 |
| 6 | 142.20 | 179.39 | Fixed rate | Repayment every 3 months an expiry of agreement on |
| | | | | 22 August 2027 |
| | 340.99 | 352.40 | | |

Long-term loans of the Company were unsecured loans denominated in US Dollar as details below:

| | Million THB Baht (Original currency) | | | |
|-----|-----------------------------------------|------|---------------------------|------------------------------------------------------|
| No. | 2021 | 2020 | Interest rate | Due of loan payment |
| | | | | |
| 1 | 5,300 | - | BBA LIBOR plus applicable | Repayment every 3 months commencing 23 December 2020 |
| | | | fixed margin | to expiry of agreement on 22 December 2022 |
| | 5,300 | - | | |

| | | JS Dollar currency) | |
|-----|-----------|------------------------|----------------------------------------|
| No. | 2021 | 2020 | Interest rate |
| 1 | 20.00 | 40.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 2 | 100.00 | 100.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 3 | 90.00 | 90.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 4 | 50.00 | 50.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 5 | 11.70 | 15.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 6 | 66.30 | 85.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 7 | - | 60.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 8 | 32.00 | 96.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 9 | - | 240.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 10 | 250.00 | - | BBA LIBOR plus applicable |
| | | | fixed margin |
| 11 | 40.00 | 50.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 12 | 75.00 | 80.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| 13 | 100.00 | 100.00 | BBA LIBOR plus applicable |
| | | 50.00 | fixed margin |
| 14 | 52.00 | 56.00 | BBA LIBOR plus applicable |
| 45 | 00.00 | 00.00 | fixed margin |
| 15 | 80.00 | 80.00 | BBA LIBOR plus applicable |
| 16 | 200.00 | 200.00 | fixed margin |
| 10 | 200.00 | 200.00 | BBA LIBOR plus applicable fixed margin |
| 17 | 45.00 | 48.00 | BBA LIBOR plus applicable |
| | -0.00 | 40.00 | fixed margin |
| 18 | 100.00 | 33.00 | BBA LIBOR plus applicable |
| | | 00.00 | fixed margin |
| 19 | 300.00 | 300.00 | BBA LIBOR plus applicable |
| - | | | fixed margin |
| 20 | 100.00 | 100.00 | BBA LIBOR plus applicable |
| | | | fixed margin |
| | 1,712.00 | 1,823.00 | |
| | .,. 12.00 | ., | |

Repayment annually commencing 27 June 2018 to expiry

Due of loan payment

| of agreement on 26 June 2022. |
|--------------------------------------------------------------|
| Repayment of principal as agreement expires on |
| 26 December 2022. |
| Repayment of principal as agreement expires on 29 March 2024 |
| Repayment every 3 months commencing 16 September 2019 |
| |
| to expiry of agreement on 14 September 2023. |
| Repayment every 6 months commencing 6 February 2021 |
| to expiry of agreement on 6 February 2025. |
| Repayment every 6 months commencing 6 February 2021 |
| to expiry of agreement on 6 February 2025. |
| Repayment of principal as agreement expires on |
| 22 December 2021. |
| Repayment every 6 months commencing 22 March 2020 |
| to expiry of agreement on 23 March 2022. |
| Repayment of principal as agreement expires on |
| 22 December 2021. |
| Repayment annually commencing 22 December 2023 to expiry |
| of agreement on 22 December 2028 |
| Repayment annually commencing 26 June 2021 to expiry |
| of agreement on 26 June 2025. |
| Repayment every 6 months commencing 18 June 2020 |
| to expiry of agreement on 17 December 2025. |
| Revolving loan maturity in 2025. |
| |
| Repayment every 6 months commencing 10 September 2019 |
| to expiry of agreement on 10 September 2025. |
| Repayment every 3 months commencing 16 April 2020 |
| to expiry of agreement on 11 April 2024. |
| Repayment annually commencing 23 April 2023 to expiry |
| of agreement on 22 April 2025. |
| Repayment every 6 months commencing 30 January 2021 |
| to expiry of agreement on 30 January 2027. |
| Revolving loan maturity in 2023 |
| |
| Repayment annually commencing 23 September 2023 to expiry |

of agreement on 23 September 2027.

22 July 2025.

Repayment of principal as agreement expires on



The effective interest rates are as follows:

| | Consolidated fina | ancial statements | Separated financial statements | | |
|-----------------------------------|-------------------|-------------------|--------------------------------|-------------|--|
| As at 31 December | 2021 | 2020 | 2021 | 2020 | |
| | % per annum | % per annum | % per annum | % per annum | |
| | | | | | |
| Loans from financial institutions | 1.55 - 5.85 | 1.24 - 5.36 | 1.55 - 3.47 | 1.70 - 3.49 | |

All long-term loans from financial institutions bear floating rates. The fair value of long-term loans equalled their carrying amount. As the interest rates of long-term loans vary with the market interest rates, the impact of discounting is not significant. The fair value is based on discounted cash flows using a discount rate based on the current lending rate as at the reporting date and are within level 2 of the fair value hierarchy.

Maturities of long-term loans from financial institutions are as follows:

| | | Conso | olidated financia | al statements | Separate financial statements | | | | | |
|---------------------------------|-----------|--------------|-------------------|---------------|-------------------------------|---------------|------------|------------|--|--|
| | U | S Dollar'000 | | Baht'000 | ι | JS Dollar'000 | | Baht'000 | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | | |
| | | | | | | | | | | |
| Within 1 year | 519,247 | 534,037 | 17,353,199 | 16,040,910 | 356,588 | 430,000 | 11,917,140 | 12,915,953 | | |
| Later than 1 year but not later | | | | | | | | | | |
| than 5 years | 1,531,018 | 1,716,548 | 51,166,468 | 51,560,120 | 924,000 | 1,226,448 | 30,879,988 | 36,838,954 | | |
| Later than 5 years | 754,127 | 444,876 | 25,202,783 | 13,362,800 | 590,000 | 345,000 | 19,717,741 | 10,362,801 | | |
| Total loans | 2,804,392 | 2,695,461 | 93,722,450 | 80,963,830 | 1,870,588 | 2,001,448 | 62,514,869 | 60,117,708 | | |

The Group is required to comply with certain criteria and conditions; for example, maintaining debt to equity ratio.

Private Placement Notes

The US Private Placement Notes are unsecured liabilities and senior debt notes to the institutional investor in the United States. During the year 2021, the Group fully paid the liabilities for US Dollar 225 million.

25. Debentures, net

| | | Consolidated | and separate fina | ncial statements |
|-------------------------------------|-----------|---------------|-------------------|------------------|
| | | US Dollar'000 | | Baht'000 |
| As at 31 December | 2021 | 2020 | 2021 | 2020 |
| US Dollar debentures | 200,000 | 200,000 | 6,683,980 | 6,007,420 |
| Baht debentures | 1,833,339 | 1,451,538 | 61,270,000 | 43,600,000 |
| Total | 2,033,339 | 1,651,538 | 67,953,980 | 49,607,420 |
| Less Deferred financing service fee | (2,363) | (1,422) | (78,964) | (42,742) |
| | 2,030,976 | 1,650,116 | 67,875,016 | 49,564,678 |
| Less Current portion of debentures | (119,672) | (133,161) | (3,999,435) | (3,999,761) |
| Debentures, net | 1,911,304 | 1,516,955 | 63,875,581 | 45,564,917 |

Movements of debentures are as follows:

| | | Consolidated | and separate fina | ncial statements |
|----------------------------------------|-----------|---------------|-------------------|------------------|
| | | US Dollar'000 | | Baht'000 |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 |
| Opening net balance | 1,650,116 | 1,819,907 | 49,564,678 | 54,877,478 |
| Cash flows: | | | | |
| Additions | 679,669 | - | 21,733,830 | - |
| Repayment of debentures | (129,939) | (170,076) | (4,155,083) | (5,322,314) |
| Financing service fee | (1,314) | - | (42,021) | - |
| Other non-cash movements: | | | | |
| Amortisation of deferred financing fee | 372 | 345 | 11,935 | 10,807 |
| Net gains (losses) on exchange rate | (167,928) | (60) | (5,369,841) | (1,906) |
| Translation differences | | - | 6,131,518 | 613 |
| Closing net balance | 2,030,976 | 1,650,116 | 67,875,016 | 49,564,678 |

Debentures are unsecured liabilities. However, the Group is required to comply with certain procedures and conditions; for example, maintaining debt to equity ratio.





Statement of Financial Position

In February 2021, the Company has issued unsubordinated and unsecured debentures representing in Baht, totalling Baht 5,670 million or equivalent to US Dollar 188.96 million which comprise Baht 2,000 million, or equivalent to US Dollar 66.65 million, bearing a fixed interest rate of 3.33% per annum, and Baht 3,670 million, or equivalent to US Dollar 122.31 million, bearing a fixed interest rate of 3.78% per annum. Interest is due for payment every six months. Debenture terms are 7 years and 10 years, respectively.

In August 2021, the Company has issued unsubordinated and unsecured debentures representing in Baht, totalling Baht 16,000 million or equivalent to US Dollar 490.71 million. There are 4 tranches which are 3-year debenture amounting to Baht 2,000 million or equivalent to US Dollar 61.34 million with fixed interest rate of 1.58% per annum, 5-year debenture amounting to Baht 3,945 million or equivalent to US Dollar 120.99 million with fixed interest rate of 2.90% per annum, 7-year debenture amounting to Baht 4,010 million or equivalent to US Dollar 122.98 million with fixed interest rate of 3.30% per annum and 10-year debenture amounting to Baht 6,045 million or equivalent to US Dollar 185.39 million with fixed interest rate of 3.80% per annum.

All debentures bear fixed interest rates. The weighted average effective interest rate of debentures of the Group after recognising the effect from interest rate swap contracts is 4.10% per annum (2020: 4.42% per annum).

As at 31 December 2021, the fair value of debentures are Baht 70,015 million or equivalent to US Dollar 2,095.02 million (2020: Baht 51,252 million or equivalent to US Dollar 1,706 million). The valuation technique used to measure fair value of debenture is level 2 which is calculated based on the market price of each debenture published in the Thai Bond Market Association.

Maturities of debentures are as follows:

| | | Consolidated | Consolidated and separate financial statements | | | | | | |
|----------------------------------------------|-----------|---------------|------------------------------------------------|------------|--|--|--|--|--|
| | | US Dollar'000 | | Baht'000 | | | | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | | | | | |
| Within 1 year | 119,689 | 133,169 | 4,000,000 | 4,000,000 | | | | | |
| Later than 1 year but not later than 5 years | 757,273 | 694,326 | 25,307,985 | 20,855,565 | | | | | |
| Later than 5 years | 1,156,377 | 824,043 | 38,645,995 | 24,751,855 | | | | | |
| Total debentures | 2,033,339 | 1,651,538 | 67,953,980 | 49,607,420 | | | | | |

26. Equity

Increase in paid-up share capital and warrants offering (a)

At the Extraordinary General Shareholders' meeting no. 1/2021 dated 9 August 2021, the shareholders approved the increase the Company's registered share capital, Right Offering and Warrants. The shareholders approved the increase of the Company's registered capital of Baht 5,074,581,513 by issuing 5,074,581,513 ordinary shares with Baht 1 par value per share. The registration of increase registered capital with the Ministry of Commerce was completed on 20 August 2021. The details are as follow:

- with the Ministry of Commerce on 28 September 2021.
 - each within 1 year after grant date.
 - each within 2 years after grant date.

| | Number of | Issued and paid- | up share capital | | | |
|------------------------------|----------------|------------------|------------------|---------------|---------------|---------------|
| | registered | Number of | Ordinary | Share | Treasury | |
| | shares | shares | shares | premium | shares | Total |
| | Shares | Share | US Dollar'000 | US Dollar'000 | US Dollar'000 | US Dollar'000 |
| | | | | | | |
| As at 1 January 2020 | 5,161,925,515 | 5,161,925,515 | 149,961 | 443,624 | (38,138) | 555,447 |
| Less Decreased in registered | | | | | | |
| share capital | (87,344,000) | (87,344,000) | (2,537) | - | 38,138 | 35,601 |
| As at 31 December 2020 | 5,074,581,515 | 5,074,581,515 | 147,424 | 443,624 | - | 591,048 |
| Increased in registered | | | | | | |
| share capital | 5,074,581,513 | 1,691,527,171 | 51,076 | 204,305 | - | 255,381 |
| As at 31 December 2021 | 10,149,163,028 | 6,766,108,686 | 198,500 | 647,929 | - | 846,429 |

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1,691,527,171 ordinary shares were offered as the right to buy new ordinary shares to the existing shareholders at ratio of 3 existing shares to 1 new share at Baht 5 each. Total share subscription for 1,691,527,171 shares was received and the additional paid-up share capital was registered

Not more than 1,691,527,171 ordinary shares will be issued by granting the Company's warrants (BANPU-W4) to existing shareholders who take right to buy new share as aforementioned with free of charge at ratio of 1 new share to 1 warrant but not more than 1,691,527,171 warrants. Warrants were granted on 1 October 2021 and can be exercised to buy 1 new share at Baht 5

Not more than 1,691,527,171 ordinary shares will be issued by granting the Company's warrants (BANPU-W5) to existing shareholders who take right to buy new share as aforementioned with free of charge at ratio of 1 new share to 1 warrant but not more than 1,691,527,171 warrants. Warrants were granted on 1 October 2021 and can be exercised to buy 1 new share at Baht 7.50





| | Number of | Issued and paid | up share capital | | | |
|------------------------------|----------------|-----------------|------------------|------------|-------------|------------|
| | registered | Number of | Ordinary | Share | Treasury | |
| | shares | shares | shares | premium | shares | Total |
| | Shares | Share | Baht'000 | Baht'000 | Baht'000 | Bahť000 |
| | | | | | | |
| As at 1 January 2020 | 5,161,925,515 | 5,161,925,515 | 5,161,925 | 15,372,438 | (1,157,140) | 19,377,223 |
| Less Decreased in registered | | | | | | |
| share capital | (87,344,000) | (87,344,000) | (87,344) | - | 1,157,140 | 1,069,796 |
| As at 31 December 2020 | 5,074,581,515 | 5,074,581,515 | 5,074,581 | 15,372,438 | - | 20,447,019 |
| Increased in registered | | | | | | |
| share capital | 5,074,581,513 | 1,691,527,171 | 1,691,527 | 6,766,109 | - | 8,457,636 |
| As at 31 December 2021 | 10,149,163,028 | 6,766,108,686 | 6,766,108 | 22,138,547 | - | 28,904,655 |

(b) Legal reserve

The movement of legal reserve is as follows:

| | | | Consoli | dated and se | parate financial | statements |
|-------------------------------|---------|--------------|------------|--------------|------------------|------------|
| | | US | Dollar'000 | | | Baht'000 |
| | Company | Subsidiaries | Total | Company | Subsidiaries | Total |
| | | | | | | |
| At 1 January 2020 | 14,996 | 80,980 | 95,976 | 516,193 | 2,655,326 | 3,171,519 |
| Appropriation during the year | - | (433) | (433) | - | (13,535) | (13,535) |
| At 31 December 2020 | 14,996 | 80,547 | 95,543 | 516,193 | 2,641,791 | 3,157,984 |
| | | | | | | |
| At 1 January 2021 | 14,996 | 80,547 | 95,543 | 516,193 | 2,641,791 | 3,157,984 |
| Appropriation during the year | 4,854 | - | 4,854 | 160,418 | - | 160,418 |
| At 31 December 2021 | 19,850 | 80,547 | 100,397 | 676,611 | 2,641,791 | 3,318,402 |

Under the Public Company Act, the Company is required to set aside a statutory reserve of at least 5% of its net profit after accumulated deficit brought forward (if any) until the reserve reaches not less than 10% of the registered capital. The legal reserve is non-distributable. During the year ended 31 December 2021, the Company has set aside legal reserve totalling of Baht 160.42 million or equivalent to US Dollar 4.85 million. As at 31 December 2021, the legal reserve has fully recognised at 10% of registered capital.

Other reserves (c)

As at 31 December 2021 and 2020, other reserves of the Group comprised reserves resulting from holding a joint venture in the People's Republic of China. These reserves are in accordance with the regulation of a government unit in the People's Republic of China with the objective of future development, safety, and transformation.





(d) Other components of equity

Movements of other components of equity are as follows:

| | | | | | | | | | | | | (| Consolidated finan | cial statements |
|----------------------------------------------------------|-----------------|------------------|-----------|------------|-------------|----------|--------------|-----------------|------------|-------------|-------------|--------------|--------------------|-----------------|
| | | | | | | U | 6 Dollar'000 | | | | | | | Baht'000 |
| | Surplus | | | | | | | Surplus | Fair value | | | | | |
| | on dilution of | Fair value | Cash flow | Net | | | | on dilution of | reserve of | Cash flow | Net | | | |
| | investments | reserve of | hedge | investment | Translation | Other | | investments | financial | hedge | Investment | Translation | | |
| | in subsidiaries | financial assets | reserve | hedge | differences | reserve | Total | in subsidiaries | assets | reserve | hedge | differences | Other reserve | Total |
| | | | | | | | | | | | | | | |
| Opening balance as at 1 January 2021, net of taxes | 333,217 | 43,705 | (58,610) | (77,815) | (549,015) | (42,288) | (350,806) | 11,993,743 | 1,312,742 | (1,760,471) | (2,337,323) | (27,261,096) | (1,350,978) | (19,403,383) |
| | | | | | | | | | | | | | | |
| Change in shareholding interests of subsidiaries | 424 | - | - | - | - | - | 424 | 14,243 | - | - | - | - | - | 14,243 |
| Fair value of put options over non-controlling interests | - | - | - | - | - | (7,028) | (7,028) | - | - | - | - | - | (237,013) | (237,013) |
| Treasury shares of a subsidiary | (514) | - | - | - | - | 2,754 | 2,240 | (16,657) | - | - | - | - | 88,994 | 72,337 |
| Share of other comprehensive income (expense) | - | (26,496) | (92,015) | 88,965 | (194,045) | - | (223,591) | - | (874,350) | (2,615,071) | 2,796,637 | 1,182,349 | - | 489,565 |
| Tax charge to other comprehensive income (expense) | - | (488) | 31,767 | - | - | - | 31,279 | - | (15,386) | 956,685 | - | - | - | 941,299 |
| Translation differences | - | - | - | - | - | - | - | - | 135,798 | (553,363) | (86,681) | - | - | (504,246) |
| Closing balance as at 31 December 2021, net of taxes | 333,127 | 16,721 | (118,858) | 11,150 | (743,060) | (46,562) | (547,482) | 11,991,329 | 558,804 | (3,972,220) | 372,633 | (26,078,747) | (1,498,997) | (18,627,198) |





| | | | | | | | | | | | | | Consolidated finan | cial statements |
|------------------------------------------------------------------|-----------------|------------------|-----------|------------|-------------|----------|--------------|-----------------|------------|-------------|-------------|--------------|--------------------|-----------------|
| | | | | | | U | 6 Dollar'000 | | | | | | | Baht'000 |
| | Surplus | | | | | | | Surplus | Fair value | | | | | |
| | on dilution of | Fair value | Cash flow | Net | | | | on dilution of | reserve of | Cash flow | Net | | | |
| | investments | reserve of | hedge | investment | Translation | Other | | investments | financial | hedge | Investment | Translation | | |
| | in subsidiaries | financial assets | reserve | hedge | differences | reserve | Total | in subsidiaries | assets | reserve | hedge | differences | Other reserve | Total |
| Opening balance as at 1 January 2020, net of taxes | 312,383 | 44,862 | (50,802) | - | (780,509) | - | (474,066) | 11,341,274 | 1,352,764 | (1,531,843) | - | (34,248,763) | - | (23,086,568) |
| Change in shareholding interests of subsidiaries | 14,150 | 3,597 | 7 | - | (1,532) | - | 16,222 | 440,649 | 112,549 | 218 | - | (47,916) | - | 505,500 |
| Change in shareholding interests of a subsidiary and put options | | | | | | | | | | | | | | |
| over non-controlling interests from corporatisation | 5,388 | - | - | - | - | (42,288) | (36,900) | 172,151 | - | - | - | - | (1,350,978) | (1,178,827) |
| Treasury shares of a subsidiary | 1,296 | - | - | - | - | - | 1,296 | 39,669 | - | - | - | - | - | 39,669 |
| Share of other comprehensive income (expense) | - | (5,818) | (6,796) | (77,815) | 233,026 | - | 142,597 | - | (172,528) | (194,128) | (2,437,553) | 7,035,583 | - | 4,231,374 |
| Tax charge to other comprehensive income (expense) | - | 1,064 | (1,019) | - | - | - | 45 | - | 33,236 | (40,821) | - | - | - | (7,585) |
| Translation differences | - | - | - | - | - | - | - | - | (13,279) | 6,103 | 100,230 | - | - | 93,054 |
| Closing balance as at 31 December 2020, net of taxes | 333,217 | 43,705 | (58,610) | (77,815) | (549,015) | (42,288) | (350,806) | 11,993,743 | 1,312,742 | (1,760,471) | (2,337,323) | (27,261,096) | (1,350,978) | (19,403,383) |





| | | | | | Se | parate financia | l statements |
|------------------------------------------------------|------------|-----------|------------|------------|-----------|-----------------|--------------|
| | | US | Dollar'000 | | | | Bahť000 |
| | Fair value | | | Fair value | Cash | | |
| | reserve of | Cash flow | | reserve of | flow | | |
| | financial | Hedge | | financial | Hedge | Translation | |
| | assets | reserve | Total | assets | reserve | differences | Total |
| Opening balance as at 1 January 2021, net of taxes | 197 | (12,898) | (12,701) | 5,941 | (387,433) | (3,545,326) | (3,926,818) |
| Share of other comprehensive income | 493 | 23,954 | 24,447 | 14,433 | 770,176 | - | 784,609 |
| Tax charge to other comprehensive income (expense) | (185) | 2,453 | 2,268 | (5,620) | 72,655 | - | 67,035 |
| Translation differences | - | - | - | 2,151 | (3,945) | 3,739,834 | 3,738,040 |
| Closing balance as at 31 December 2021, net of taxes | 505 | 13,509 | 14,014 | 16,905 | 451,453 | 194,508 | 662,866 |
| | | | | | | | |
| Opening balance as at 1 January 2020, net of taxes | 2,086 | (1,669) | 417 | 62,917 | (50,329) | (3,458,770) | (3,446,182) |
| Share of other comprehensive expense | (2,365) | (16,342) | (18,707) | (73,492) | (514,602) | - | (588,094) |
| Tax charge to other comprehensive income (expense) | 476 | 5,113 | 5,589 | 14,790 | 160,111 | - | 174,901 |
| Translation differences | - | - | - | 1,726 | 17,387 | (86,556) | (67,443) |
| Closing balance as at 31 December 2020, net of taxes | 197 | (12,898) | (12,701) | 5,941 | (387,433) | (3,545,326) | (3,926,818) |

27. Expenses by nature

| | | Conso | lidated financia | al statements | Separate financial statements | | | | | |
|-------------------------------|---------|---------------|------------------|---------------|-------------------------------|---------------|-----------|----------|--|--|
| For the year ended | ι | JS Dollar'000 | | Bahť000 | ι | JS Dollar'000 | | Baht'000 | | |
| 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | | |
| | | | | | | | | | | |
| Staff costs | 424,648 | 378,801 | 13,579,020 | 11,854,078 | 31,499 | 25,325 | 1,007,243 | 792,526 | | |
| Depreciation and amortisation | 885,511 | 846,021 | 28,316,070 | 26,475,134 | 2,332 | 2,454 | 74,566 | 76,796 | | |
| Write-off of assets | 7,078 | 7,349 | 226,334 | 229,957 | 47 | - | 1,503 | - | | |
| Allowance for net realisable | | | | | | | | | | |
| of fuel | 1,466 | - | 46,822 | - | - | - | - | - | | |
| (Reverse) allowance for | | | | | | | | | | |
| slow-moving of spare parts | | | | | | | | | | |
| and machinery supplies | | | | | | | | | | |
| and coal | 4,336 | 996 | 138,653 | 31,169 | - | - | - | - | | |
| Expected credit loss | 8,974 | 2,951 | 286,962 | 92,347 | - | - | - | - | | |





28. Earnings (losses) per share

| | Consolidated fina | incial statements | Separate fina | ncial statements |
|-------------------------------------------------|-------------------|-------------------|---------------|------------------|
| For the year ended 31 December | 2021 | 2020* | 2021 | 2020* |
| US Dollar | | | | |
| Net profit (loss) attributable to ordinary | | | | |
| shareholders of the Parent (US Dollar'000) | 303,931 | (55,739) | 80,166 | 35,207 |
| Basic earnings (losses) per share (US Dollar) | 0.049 | (0.009) | 0.013 | 0.006 |
| Diluted earnings (losses) per share (US Dollar) | 0.046 | (0.009) | 0.012 | 0.006 |
| Baht | | | | |
| Net profit (loss) attributable to ordinary | | | | |
| shareholders of the Parent (Baht'000) | 9,851,795 | (1,786,317) | 2,590,146 | 1,128,516 |
| Basic earnings (losses) per share (Baht) | 1.591 | (0.298) | 0.418 | 0.188 |
| Diluted earnings (losses) per share (Baht) | 1.497 | (0.298) | 0.394 | 0.188 |
| | | | | |
| Weighted average number of shares | | | | |
| Weighted average number of shares outstanding, | | | | |
| excluding treasury shares (Thousand shares) | 6,193,447 | 5,991,954 | 6,193,447 | 5,991,954 |
| Adjustments for diluted earnings per share | | | | |
| calculation | | | | |
| - Warrants (Thousand shares) | 387,026 | - | 387,026 | - |
| Weighted average number of shares and potential | | | | |
| ordinary shares used in calculating diluted | | | | |
| earnings (losses) per share (Thousand shares) | 6,580,473 | 5,991,954 | 6,580,473 | 5,991,954 |

* Earnings (losses) per share for the year ended 31 December 2020 has been represented due to the right offering in order to be comparable with 2021.

29. Dividend paid

At the Annual General Shareholders' meeting on 2 April 2021, the shareholders approved a payment of final dividends of 2020 of Baht 0.15 per share for 5,074,478,566 shares, totalling of Baht 761.17 million or equivalent to US Dollar 24.73 million. The Thailand Securities Depository Company Limited notified the Company that certain shareholders were not entitled to receive dividend totalling Baht 0.02 million or equivalent to US Dollar 502. Such dividends were paid to the shareholders on 30 April 2021.

At the Board of Directors' meeting on 25 August 2021, the meeting approved a payment of interim dividend of 2021 of Baht 0.20 per share for 5,074,493,756 shares, totalling of Baht 1,014.90 million or equivalent to US Dollar 31.12 million. The Thailand Securities Depository Company Limited notified the Company that certain shareholders were not entitled to receive dividend totalling Baht 0.02 million or equivalent to US Dollar 538.30. Such dividends were paid to the shareholders on 23 September 2021.

At the Board of Directors' meeting on 8 April 2020, the Board approved a payment of interim dividend of 2019 of Baht 0.25 per share for 5,073,554,474 shares, totalling of Baht 1,268.39 million or equivalent to US Dollar 39.53 million. The Thailand Securities Depository Company Limited notified the Company that certain shareholders were not entitled to receive dividend totalling Baht 0.26 million or equivalent to US Dollar 0.01 million. Such dividends were paid to the shareholders on 30 April 2020 and at the Annual General Shareholders' meeting on 19 June 2020, the shareholders acknowledged such interim dividend payment.

At the Board of Directors' meeting on 28 August 2020, the Board approved a payment of interim dividend of 2020 of Baht 0.15 per share for 5,074,302,006 shares, totaling of Baht 761.15 million or equivalent to US Dollar 24.23 million. The Thailand Securities Depository Company Limited notified the Company that certain shareholders were not entitled to receive dividend totaling Baht 0.04 million or equivalent to US Dollar 1.33 thousand. Such dividends were paid to the shareholders on 25 September 2020.





30. Related party transactions

Enterprises and individuals that directly, or indirectly through one or more intermediaries, control, or are controlled by, or are under common control with, the Company, including holding companies, subsidiaries and fellow subsidiaries are related parties of the company. Associates and individuals owning, directly or indirectly, an interest in the voting power of the company that gives them significant influence over the enterprise, key management personnel, including directors and officers of the company and close members of the family of these individuals and companies associated with these individuals also constitute related parties.

In considering each possible related party relationship, attention is directed to the substance of the relationship, and not merely the legal form.

The pricing policies for transactions between subsidiaries, joint ventures and related parties are:

- Coal sales and purchase within the Group are generally set based on international indices as benchmarks adjusted for coal specifications and the location of deliveries.
- Management income represents service fee charged between the Group and joint ventures for rendering the management services in the normal course of business. The fees are based on the service provided in accordance with the conditions in the agreement.
- Marketing Service Agreement to overseas subsidiaries for rendering the marketing consultant and management in transportation. The fees are based on a certain percentage of gross revenue of coal exports which is comparable to other companies.
- The prices of other sales and services charged between the Company and subsidiaries approximate to those charged to third parties.
- For loans to joint ventures and an associate and interest income, the Group charges interest by considering the average cost of borrowing and market interest rate.
- Advance to/from related parties represent the advance payment for related parties which will be reimbursed within the normal credit term.

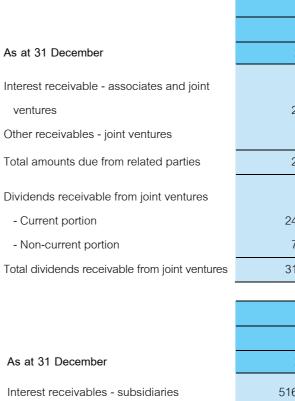
Significant transactions carried out with related parties are as follows:

30.1 Transactions during the years are as follows:

| | Consolidated financial statements | | | | |
|-------------------------------------------|-----------------------------------|-------|--------|--------|--|
| | US Dollar'000 Ba | | | | |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 | |
| Interest income from associates and joint | | | | | |
| ventures | 2,700 | 1,785 | 86,461 | 55,810 | |
| Management income from joint ventures | 847 | 921 | 27,093 | 28,687 | |



30.2 Amount due from and dividend receivables from related parties comprised:



Other receivables - subsidiaries

5

Total amounts due from related parties

As at 31 December

- Current portion

As at 31 December

- Non-current portion

ventures



| ncial statements | Separate fina | | | | | |
|------------------|---------------|---------------|--------|--|--|--|
| Baht'000 | | US Dollar'000 | | | | |
| 2020 | 2021 | 2020 | 2021 | | | |
| 1,036,780 | 847,541 | 33,199 | 26,700 | | | |
| 166,945 | 138,780 | 5,346 | 4,348 | | | |
| 1,976,278 | 2,915,768 | 62,305 | 39,311 | | | |
| 3,122,662 | 3,736,291 | 99,826 | 16,341 | | | |
| 13,968 | 4,963 | 443 | 155 | | | |
| 739,222 | 1,122,257 | 23,628 | 34,751 | | | |
| 130,242 | 83,802 | 4,162 | 2,613 | | | |

| Consolidated financial statemen | | | | | | |
|---------------------------------|-------------------------------------------------|---------------------------------------------------------------------|--|--|--|--|
| US Dollar'000 |) Baht'000 | | | | | |
| 2020 | 2021 20 | | | | | |
| | | | | | | |
| 1,048 | 67,346 | 31,496 | | | | |
| 56 | 1,750 | 1,670 | | | | |
| 1,104 | 69,096 | 33,166 | | | | |
| | | | | | | |
| 25,819 | 808,475 | 775,517 | | | | |
| 9,616 | 238,831 | 288,831 | | | | |
| 35,435 | 1,047,306 | 1,064,348 | | | | |
| | 2020 1,048 56 1,104 25,819 9,616 | US Dollar'000 2020 2021 2020 2021 | | | | |

| Separate financial statement | | | | | |
|------------------------------|---------------|------------|------------|--|--|
| | US Dollar'000 | | Baht'000 | | |
| 2021 | 2020 | 2021 | 2020 | | |
| 16,088 | 437,621 | 17,247,608 | 13,144,875 | | |
| 7,077 | 2,896 | 236,508 | 86,977 | | |
| 23,165 | 440,517 | 17,484,116 | 13,231,852 | | |





30.3 Advances to and loans to related parties consist of:

| | Consolidated financial statements | | | | |
|-------------------------------------------|-----------------------------------|---------------|-----------|-----------|--|
| | | US Dollar'000 | | Baht'000 | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | |
| Short-term loans to | | | | | |
| - an associate | 17,412 | 9,583 | 581,924 | 287,849 | |
| - joint ventures | 51,848 | 51,547 | 1,732,738 | 1,548,315 | |
| Total short-term loans to related parties | 69,260 | 61,130 | 2,314,662 | 1,836,164 | |
| Long-term loans to related party | 16,664 | 20,888 | 556,903 | 627,400 | |

Movements of short-term loans and long-term loans to related parties are as follows:

| | Consolidated financial statements | | | | | | | |
|-------------------------|---------------------------------------|---------------|-----------|-----------|---------|---------------|------------------|---------------|
| | Short-term loans to a related parties | | | | | Lo | ng-term loans to | related party |
| For the year ended | | US Dollar'000 | | Bahť000 | | US Dollar'000 | | Baht'000 |
| 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 |
| | | | | | | | | |
| Opening balance | 61,130 | 19,195 | 1,836,164 | 578,781 | 20,888 | 20,132 | 627,400 | 607,048 |
| Cash flows: | | | | | | | | |
| Addition | 10,951 | 48,411 | 350,178 | 1,514,973 | - | - | - | - |
| Repayment | (1,564) | (7,101) | (50,000) | (222,205) | - | - | - | - |
| Other non-cash | | | | | | | | |
| movements: | | | | | | | | |
| Repayment with | | | | | | | | |
| inventories and | | | | | | | | |
| services | (63) | - | (2,011) | - | (3,324) | (15) | (106,293) | (472) |
| Allowance doubtful | | | | | | | | |
| loan | (1,381) | (2,350) | (44,175) | (73,540) | - | - | - | - |
| Translation differences | 187 | 2,975 | 224,506 | 38,155 | (900) | 771 | 35,796 | 20,824 |
| Closing balance | 69,260 | 61,130 | 2,314,662 | 1,836,164 | 16,664 | 20,888 | 556,903 | 627,400 |

As at 31 December 2021, short-term loans to an associate and joint ventures represent CNY loan of 90 million or equivalent to US Dollar 14.14 million and US Dollar loan of 55.12 million (2020: Baht loan of 56.19 million or equivalent to US Dollar 1.87 million, CNY loan of 90 million or equivalent to US Dollar 13.84 million and US Dollar loan of 45.42 million). Such loans bore interest at the rates between of 3.35% to 5.00% per annum (2020: 3.35% to 5.00% per annum). The loan period is 1 year.

As at 31 December 2021, long-term loans to an overseas associate represent Australian Dollar loan of 22.95 million or equivalent to US Dollar 16.66 million (2020: Australian Dollar Ioan of 27.38 million or equivalent to US Dollar 20.89 million). Such loans bore no interest rate (2020: no interest rate).

| | Separate financial statement | | | | |
|--------------------------------------------|------------------------------|---------------|-------------|------------|--|
| | | US Dollar'000 | Baht'000 | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | |
| Advances to subsidiaries - Current portion | 1,497 | 1,269 | 50,025 | 38,123 | |
| Short-term loans to subsidiaries | 74,603 | 18,800 | 2,493,217 | 564,697 | |
| Long-term loans to subsidiaries | | | | | |
| - Current portion | 79,500 | - | 2,656,882 | - | |
| - Non-current portion | 2,955,695 | 2,283,094 | 98,779,016 | 68,577,510 | |
| Long-term loans to subsidiaries | 3,035,195 | 2,283,094 | 101,435,898 | 68,577,510 | |

Movements of short-term loans and long-term loans to subsidiaries are as follows:

| | Separate financial statements | | | | | | | | |
|-------------------------|-------------------------------|-------------------------------------|-----------|----------|-----------|---------------|-------------|----------------|--|
| | | Short-term loans to a related party | | | | | | elated parties | |
| For the year ended | | US Dollar'000 | | Baht'000 | | US Dollar'000 | | Baht'000 | |
| 31 December | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | 2021 | 2020 | |
| | | | | | | | | | |
| Opening balance | 18,800 | - | 564,697 | - | 2,283,094 | 2,129,886 | 68,577,510 | 64,224,592 | |
| Cash flows: | | | | | | | | | |
| Addition | 75,493 | 10,000 | 2,414,033 | 312,937 | 680,001 | 386,596 | 21,744,449 | 12,098,022 | |
| Repayment | (18,800) | - | (601,169) | - | - | (223,834) | - | (7,004,602) | |
| Other non-cash | | | | | | | | | |
| movements: | | | | | | | | | |
| Transfer loan type | - | 8,800 | - | 275,385 | - | (8,800) | - | (275,385) | |
| Group restructuring | | | | | | | | | |
| (Note 14) | - | - | - | - | 151,035 | - | 4,829,646 | - | |
| Converting accrued | | | | | | | | | |
| interest to principal | - | - | - | - | 1,856 | - | 59,335 | - | |
| Losses on exchange rate | (890) | - | (28,454) | - | (80,791) | (754) | (2,583,422) | (23,614) | |
| Translation differences | | - | 144,110 | (23,625) | - | - | 8,808,380 | (441,503) | |
| Closing balance | 74,603 | 18,800 | 2,493,217 | 564,697 | 3,035,195 | 2,283,094 | 101,435,898 | 68,577,510 | |





As at 31 December 2021, short-term loans to subsidiaries represent US Dollar loan of 50.96 million, Australian Dollar loan of 20 million or equivalent to US Dollar 14.52 million and Baht loan of 304.93 million or equivalent to US Dollar 9.12 million (2020: US Dollar loan of 18.80 million). Such loans bore interest at the rate between 4.25% to 5.00% per annum (2020: 4.50% per annum). The repayment for principal and interest is due within 1 year.

As at 31 December 2021, long-term loans to subsidiaries represent US Dollar loan of 2,133.43 million, Australian Dollar loan of 161.03 million or equivalent to US Dollar 116.91 million and Baht loan of 26,229.93 million or equivalent to US Dollar 784.86 million (2020: US Dollar loan of 1,638.69 million and Baht loans of 19,355.92 million or equivalent to US Dollar 644.40 million). Such loans bore interest at the rates between 4.25% to 5.00% per annum (2020: 4.25% to 5.17% per annum).

The fair value of loans to related parties are based on discounted cash flows using a discount rate based on current lending rate as at the reporting date and are within level 2 of the fair value hierarchy.

The fair value of short-term loans to subsidiaries equals their carrying amount, as short-term loans to subsidiaries had a short period of maturity. The fair value of long-term loans to subsidiaries are based on discounted cash flows using a discount rate based upon the current lending rate.

30.4 Trade accounts payable, advances from and loan from related parties consist of:

| | Separate financial statements | | | | | |
|----------------------------------------|-------------------------------|---------------|--------|----------|--|--|
| | | US Dollar'000 | | Baht'000 | | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | | |
| Trade accounts payable to subsidiaries | 2,746 | 6,378 | 91,758 | 191,570 | | |
| Other payables - a subsidiary | 784 | 813 | 26,202 | 24,440 | | |
| Advances from subsidiaries | - | 192 | - | 5,761 | | |
| Total advances from and amounts due | | | | | | |
| to related parties | 784 | 1,005 | 26,202 | 30,201 | | |

As at 31 December 2021 and 2020, the Company has no short-term and long-term loan from a subsidiary.

30.5 Key management compensation is presented as follows:

| | | | Consolidated finar | ncial statements |
|-------------------------------------------|-------|------------------------|--------------------|------------------|
| | | US Dollar'000 | | Baht'000 |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 |
| Salaries and short-term employee benefits | 4,501 | 2,681 | 146,507 | 83,690 |
| Post-employment benefits | 44 | 80 | 1,400 | 2,506 |
| Share-based payment | - | 27 | - | 849 |
| | 4,545 | 2,788 | 147,907 | 87,045 |
| | | | | |
| | | | Separate final | ncial statements |
| | | US Dollar'000 Baht'000 | | Baht'000 |
| For the year ended 31 December | 2021 | 2020 | 2021 | 2020 |
| Salaries and short-term employee benefits | 4,024 | 2,023 | 130,994 | 63,349 |
| Post-employment benefits | 22 | 59 | 704 | 1,842 |
| Share-based payment | - | 5 | - | 165 |
| | 4,046 | 2,087 | 131,698 | 65,356 |

31. Commitment and significant contracts and contingent liabilities

31.1 Outstanding letters of guarantee and letters of credit with banks at the reporting date



| lated | financial statements | Separate | financial statements |
|---------|----------------------|---------------------|----------------------|
| 2021 | 2020 | 2021 | 2020 |
| lillion | Million | Million | Million |
| ency) | (Original currency) | (Original currency) | (Original currency) |
| | | | |
| | | | |
| 23 | 24 | - | - |
| ,651 | 1,654 | 45 | 47 |
| ,143 | 318,208 | - | - |
| 380 | 382 | - | - |
| 1 | 1 | - | - |
| | | | |
| | | | |
| - | 8 | - | 6 |





31.2 Capital commitments

As at 31 December, the Group had capital commitments that were not recognised in the consolidated financial statements as follows:

| | Consolidated financial statements | | | | |
|-----------------------------------|-----------------------------------|---------------|-----------|-----------|--|
| | | US Dollar'000 | | Baht'000 | |
| As at 31 December | 2021 | 2020 | 2021 | 2020 | |
| Property, plant and equipment | 91,480 | 72,321 | 3,057,269 | 2,172,321 | |
| Investments in joint ventures | - | 275 | - | 8,260 | |
| Investments in solar power plants | 79,039 | 31,658 | 2,641,483 | 950,905 | |
| | 170,519 | 104,254 | 5,698,752 | 3,131,486 | |

31.3 Coal supply Agreement Commitment

As at 31 December 2021, a group of Indonesian subsidiaries had coal supply commitments in accordance with the Coal Supply Agreement for 15.80 million tonnes (2020: 15.80 million tonnes) at the market price. The coal will be delivered within 2024.

31.4 Significant contracts

On 9 December 2021, a subsidiary entered into Sale and Purchase Agreement (SPA) for the acquisition of 100% in Ha Tinh Solar Power Joint Stock Company that holds an interest in Ha Tinh solar farm with the capacity of 50 MW located in Vietnam. The purchase consideration in US Dollar 23.9 million or equivalent to Baht 788 million. This transaction remains subject to contain adjustments, conditions precedents outlined in the SPA and customary approvals with completion expected to take place.

31.5 Significant litigation

Tax audit of Indonesian subsidiaries

Prepaid income taxes

As at 31 December 2021 and 2020, the subsidiaries in Indonesia have outstanding prepaid taxes related to results of tax investigations which consisted of various corporate income taxes, withholding taxes, value added taxes and related taxes as following. Recoverability of these prepaid taxes are subject to decisions by the respective tax authorities i.e. Directorate General of Tax (DGT), Tax Court or Supreme Court depending on the stage of tax dispute resolution of each tax case.

| Fiscal | | | US | Dollar'000 | Bahť000 | | Status as at the date of |
|--------|---------|----------------------------------------|-------|------------|---------|---------|-----------------------------------------|
| year | Company | Descriptions | 2021 | 2020 | 2021 | 2020 | the financial statements |
| 2012 | TCM | Overpayment of corporate income tax | - | 2,883 | - | 86,597 | The Supreme Court result was in favour |
| | | of US Dollar 5.5 million. | | | | | of TCM in October 2020.for deduction |
| | | | | | | | cost |
| | | | | | | | |
| | | | | | | | TCM submitted Contra Memory to the |
| | | | | | | | Supreme Court in November 2020 for |
| | | | | | | | marketing fee. |
| 2012 | KTD | Overpayment of corporate income tax | - | 6,181 | - | 185,659 | The Supreme Court result was in favour |
| | | of US Dollar 6.2 million | | | | | of KTD in March 2021. |
| 2012 | JBG | Overpayment of corporate income tax of | 169 | - | 5,648 | - | JBG submitted Judicial Review to the |
| | | US\$1.9 million | | | | | Supreme Court in October 2020 and |
| | | | | | | | received Contra Memory from DGT in |
| | | | | | | | November 2020. |
| | | | | | | | |
| 2013 | IMM | Underpayment of withholding tax 23/26 | 2,369 | - | 79,172 | - | IMM submitted Judicial Review to the |
| | | of Indonesian Rupiah 33.8 billion | | | | | Supreme Court in March 2017 and |
| | | (equivalent to US Dollar 2.4 million) | | | | | received Contra Memory from DGT for tax |
| | | | | | | | period March, October and November in |
| | | | | | | | December 2021. |
| | | | | | | | |





| Fiscal | | | US | Dollar'000 | | Baht'000 | Status as at the date of |
|--------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------|----------------------|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| year | Company | Descriptions | 2021 | 2020 | 2021 | 2020 | the financial statements |
| year 2013 | Company TCM, JBG, KTD | Descriptions Underpayment of withholding tax 23/26, domestic VAT and offshore VAT of Indonesian Rupiah 79.8 billion (equivalent to US Dollar 4.8 million) | 2021 141 | 913 913 | 2021 4,712 | 2020 27,424 | the financial statements KID The Supreme Court result was fully partially in favour of KTD for withholding tax 26 related to demurrage in December 2019 to March 2021. The Supreme Court result was partially in unfavourable to of KTD regarding withholding tax 23 in related to deduction cost in September 2020- August 2021 and awaiting Judicial Review result from supreme court for fiscal period December 2013 July 2020. ICM The Supreme Court result was fully in favour of TCM regarding withholding tax 26 related to marketing fee in June - November 2019. JBG The Supreme Court result was fully in favour of JBG related to domestic VAT in December 2020 - April 2021. The Supreme Court result was fully in |
| 2015 | IMM | Overpayment of corporate income tax of US Dollar 3.1 million and underpayment of other taxes (withholding tax 23/26, domestic VAT and offshore VAT) in total amount of Indonesian Rupiah 94.3 billion (equivalent to US Dollar 6.7 million) | 5,812 | 9,284 | 194,236 | 278,864 | August 2020 - February 2021. Submitted Judicial Review to the Supreme Court related to corporate income tax in August 2021 and received Contra Memory from DGT in October 2021 Submitted Judicial Review to the Supreme Court related to offshore VAT in August 2021 and received Contra Memory from DGT in September to October 2021. DGT submitted Judicial Review to Supreme Court regarding domestic VAT in April 2021 and IMM submitted Contra Memory to the Supreme Court in May 2021. |

| Fiscal | | | US | Dollar'000 | Baht'000 | | Status as at the date of |
|---------------|----------|---------------------------------------------------------------------------------------------------------------------|--------|------------|----------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| year | Company | Descriptions | 2021 | 2020 | 2021 | 2020 | the financial statements |
| | | | | | | | Submitted Judicial Review to the Supreme Court regarding withholding tax 23 in August 2021 and received Contra Memory from DGT in September 2021. Submitted Judicial Review to the Supreme Court related to withholding tax 26 in August 2021 and received Contra Memory from DGT in September 2021. |
| 2016 | IMM | Underpayment of withholding tax 26 of Indonesian Rupiah 27.7 billion (equivalent to US Dollar 1.9 million) | - | 1,966 | - | 59,053 | The tax court result was in favour of IMM in October 2021 |
| 2018 | IMM | Overpayment of corporate income tax of US Dollar 4.0 million | 3,988 | 3,975 | 133,279 | 119,397 | Submitted tax appeal letter to tax court in September 2021. |
| 2019- 2020 | IMM | Underpayment of land and building tax of Indonesian Rupiah 99.5 billion (equivalent to US Dollar 7.1 million) | 6,977 | 7,058 | 233,171 | 212,002 | Submitted tax appeal letter to tax court in February 2022. |
| 2019 | IMM, BEK | Overpayment of corporate income tax of US\$4.1 million. | 4,145 | - | 138,525 | - | Submitted objection to DGT in July 2021. |
| | | Total | 23,601 | 32,260 | 788,743 | 968,996 | |

Additionally, as at 31 December 2021, various taxes of seven Indonesian subsidiaries for fiscal years 2017 - 2019 are still in the process of audit by the DGT. The Group's management believes that the tax audit result, objection, appeal, lawsuit, and reconsideration results will not have a material impact on the consolidated financial statements.

32. Business combination

32.1 Investment in El Wind Mui Dinh Ltd.

On 25 June 2021, Banpu Renewable Singapore Pte. Ltd., a subsidiary, purchased 100% ordinary shares of El Wind Mui Dinh Ltd. (ELMD), a 37.6 MW wind farm, located in Ninh Tuan, Vietnam. On the same date, the Group fully paid for this investment with a purchase consideration of US Dollar 17.51 million. The estimated fair value of net assets acquired approximates the purchase consideration which mainly are property, plant and equipment, right to operate the power plant and trade accounts payable and other payables. In addition, the Group provided a short-term loan to ELMD amounting to US Dollar 39.26 million on the same date as the acquisition date.



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The Group has completed the purchase price allocation. Details of fair value of net assets acquired and the consideration paid are as follows:

| | VND'000 | US Dollar'000 |
|-----------------------------------|---------------|---------------|
| | | |
| Cash | 64,524,760 | 2,804 |
| Trade and other receivables | 19,159,554 | 833 |
| Other current assets | 3,437,347 | 149 |
| Property, plant and equipment | 1,029,779,217 | 44,753 |
| Right to operate the power plant | 190,063,209 | 8,261 |
| Other assets | 11,764,657 | 511 |
| Trade and other payables | (909,845,282) | (39,541) |
| Other current liabilities | (5,938,597) | (258) |
| Fair value of net assets acquired | 402,944,865 | 17,512 |
| Purchase consideration | 402,944,865 | 17,512 |

Right to operate the power plant will be amortised by straight-line method over the periods of estimated useful life of the power plants.

32.2 Investment in solar farms Beryl Hold Trust and Manildra Hold Trust

On 30 July 2021, the Group purchased all ordinary class units and shares in Beryl Hold Trust Group and Manildra Hold Trust Group, which own solar farms in New South Wales, Australia with a capacity of 110.9 MW and 55.9 MW, respectively. The total consideration payment was Australian Dollar 91.73 million, or equivalent to US Dollar 67.76 million. The Group has a 100% of holding interest in this investment and fully paid for this investment.

Details of fair value of net assets acquired and the consideration paid are as follows:

| | Australian Dollar'000 | US Dollar'000 |
|------------------------------------------|-----------------------|---------------|
| Cash | 12,411 | 9,168 |
| Trade accounts receivables | 458 | 339 |
| Other current assets | 1,361 | 1,006 |
| Derivative asset | 79,658 | 58,843 |
| Property, plant and equipment | 175,322 | 129,510 |
| Intangible assets | 27,196 | 20,089 |
| Other non-current assets | 5,600 | 4,137 |
| Trade accounts payable and other payable | (2,117) | (1,564) |
| Borrowings | (195,299) | (144,267) |
| Other liabilities | (16,802) | (12,412) |
| Fair value of net assets acquired | 87,788 | 64,849 |
| Goodwill | 3,941 | 2,911 |
| Purchase consideration | 91,729 | 67,760 |

As at 31 December 2021, the Group is in the process of determining fair value of net assets acquired and reviewing purchase price allocation (PPA). This is expected to be finalised within 12 months from the acquisition date. However, the estimated fair value may be adjusted to reflect new information obtained about facts and circumstances that existed as of the acquisition date.

33. Events occurring after the reporting date

33.1 Sale and Purchase Agreement

On 25 January 2022, a subsidiary of the Group entered into the Sale and Purchase Agreement (SPA) for the acquisition of 100% holding interest in Licogi 16 Gia Lai Investment Renewable Energy Joint Stock Company (LCE Gia Lai) which owns 15 MW Chu Ngoc solar power plant and Licogi 16 Nin Thuan Investment Renewable Energy Joint Stock Company (LCE Ninh Thuan) which owns 35 MW Nhon Hai solar power plant. The purchase consideration is US Dollar 26.69 million. This transaction remains subject to certain adjustments, conditions precedents outlined in the SPA and customary approvals with completion expected to take place.

33.2 Issuance of debentures

On 27 January 2022, the Company has issued Baht unsubordinated and unsecured debentures totaling Baht 12,000 million or equivalent to US Dollar 359.06 million. There are 5 tranches which are 1) 3-year debenture amounting to Baht 2,000 million or equivalent to US Dollar 59.84 million with fixed interest rate of 1.76 per annum, 2) 6-year debenture amounting to Baht 1,000 million or equivalent to US Dollar 29.92 million with fixed interest rate of 3.11 per annum, 3) 8-year debenture amounting to Baht 2,000 million or equivalent to US Dollar 59.84 million with fixed interest rate of 3.58 per annum, 4) 10-year debenture amounting to Baht 3,000 million or equivalent to US Dollar 89.77 million with fixed interest rate of 3.89 per annum, and 5) 12-year debenture amounting to Baht 4,000 million or equivalent to US Dollar 119.69 million with fixed interest rate of 4.12 per annum. Debentures require certain conditions the Company has to comply, for example, maintaining certain financial ratio.

33.3 Completion of sale of investment in a joint venture

On 23 February 2022, BPIN Investment Co., Ltd, which is a subsidiary of the Group, completed its sale of total investment of 47.50% in Sunseap Group Pte, Ltd (Sunseap), a joint venture of the Group. The total consideration is SGD 469.19 million or equivalent to US Dollar 347.54 million. As at 31 December 2021, the Group presented this investment as non-current assets held-for-sale with a net book value of US Dollar 172 million.

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