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華能國際電力股份有限公司

HUANENG POWER INTERNATIONAL, INC.

(a Sino-foreign joint stock limited company incorporated in the People's Republic of China)

(Stock Code: 902)

DISCLOSEABLE TRANSACTION AND CONTINUING CONNECTED TRANSACTIONS

HUANENG GROUP FRAMEWORK AGREEMENT

On 25 October 2022, the Company entered into the Huaneng Group Framework Agreement with Huaneng Group, its ultimate controlling shareholder, for a term commencing on 1 January 2023 and expiring on 31 December 2023. Pursuant to the Huaneng Group Framework Agreement, the Company will conduct (among other things) the following transactions with Huaneng Group and its subsidiaries and associates: (1) purchase of ancillary equipment and parts; (2) purchase of fuel and transportation services; (3) leasing of facilities, land and office spaces; (4) accepting the technical services, engineering contracting services and other services; (5) provision of entrusted sale and related services to Huaneng Group and its subsidiaries and associates; (6) accept the provision of entrusted sale and related services from Huaneng Group and its subsidiaries and associates; (7) sale of products and related services; (8) purchase of heat products and related services; (9) sale of heat products and related services; (10) purchase of carbon emission reduction resources and related services; (11) sale of carbon emission reduction resources and related services; and (12) borrowing trust loans and accepting loans. Such transactions will be conducted on an on-going basis and constitute continuing connected transactions under the Hong Kong Listing Rules.

Among those 12 types of transactions,

- (a) since the transaction scale in relation to the purchase of fuel and transportation services and the accepting technical services, engineering contracting services and other services (i.e. types (2) and (4)) exceeds 5% of the applicable percentage ratios as calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules, such transaction shall be subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules and the requirement to obtain approval from the Independent Shareholders;

- (b) the transaction scale of each of type (1), type (3), types (5) to (11) transactions does not exceed 5% of the applicable percentage ratios as calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules, thus such transactions shall only be subject to the reporting, annual review and announcement requirements under Rules 14A.55 to 14A.59 and Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules, but are exempt from the Independent Shareholders' approval requirement; and
- (c) as regards the transactions of borrowing trust loans and accepting loans (i.e. type (12)), pursuant to Rule 14A.90 (which relates to financial assistance) of the Hong Kong Listing Rules, those transactions are exempt from reporting, announcement and the Independent Shareholders' approval requirements.

SUPPLEMENTAL AGREEMENT TO HUANENG FINANCE FRAMEWORK AGREEMENT

The Company entered into the 2022-2024 Huaneng Finance Framework Agreement with Huaneng Finance on 26 October 2021 for the purpose of governing the conduct of the continuing connected transactions between the Company and Huaneng Finance from 2022 to 2024. On 25 October 2022, the Company entered into the Supplemental Agreement to Huaneng Finance Framework Agreement with Huaneng Finance. During the period from 1 January 2023 to 31 December 2024, the maximum loan outstanding balance (on daily basis) of the Company and its subsidiaries from Huaneng Finance shall be increased from not exceeding RMB23 billion (or its equivalent in foreign currency) to not exceeding RMB33 billion (or its equivalent in foreign currency). Except for the newly agreed matters in the Supplemental Agreement to Huaneng Finance Framework Agreement, other terms under the Huaneng Finance Framework Agreement shall remain unchanged.

With respect to loan advancement, given that the loan advancement services provided by Huaneng Finance are for the benefit of the Company and on normal commercial terms that are comparable to or more favourable than those offered by independent third parties for similar services in the PRC and that no security is granted over the assets of the Company in respect of such services, the transactions for loan advancement services contemplated under the Supplemental Agreement to Huaneng Finance Framework Agreement are exempt from all the reporting, announcement and Independent Shareholders' approval requirements pursuant to Rule 14A.90 of the Hong Kong Listing Rules.

TIANCHENG LEASING FRAMEWORK AGREEMENT

On 25 October 2022, the Company entered into the Tiancheng Leasing Framework Agreement with Tiancheng Finance for the purpose of governing the conduct of continuing connected transactions between the Company and Tiancheng Leasing from 2023 to 2025. Tiancheng Leasing

Framework Agreement shall be effective from 1 January 2023 to 31 December 2025. The finance lease services provided by Tiancheng Leasing include the Direct Lease(s) and the Sales and Leaseback.

As the applicable percentage ratios relating to the transaction scale of the Direct Leases(s) with Tiancheng Leasing contemplated under the Tiancheng Leasing Framework Agreement calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transaction constitutes a discloseable transaction to the Company under Chapter 14 of the Hong Kong Listing Rules and also a continuing connected transaction of the Company under Chapter 14A of the Hong Kong Listing Rules, subject to the annual reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules and Independent Shareholders' approval under the Hong Kong Listing Rules.

As none of the applicable percentage ratios relating to the transaction scale of the Sales and Leaseback with Tiancheng Leasing contemplated under the Tiancheng Leasing Framework Agreement calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transaction constitutes a notifiable transaction to the Company under Chapter 14 of the Hong Kong Listing Rules and also a continuing connected transaction of the Company under Chapter 14A of the Hong Kong Listing Rules, subject to the annual reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but is exempt from the Independent Shareholders' approval under the Hong Kong Listing Rules.

EXTRAORDINARY GENERAL MEETING

The Company proposes to convene an extraordinary general meeting in December 2022 to seek approval from Independent Shareholders on (among others) the conduct of the continuing connected transactions (including the relevant proposed caps) contemplated under the Huaneng Group Framework Agreement, the loan advancement services transaction contemplated under the Supplemental Agreement to Huaneng Finance Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement.

To comply with the requirements of the Hong Kong Listing Rules, the Independent Board Committee of the Company will advise the Independent Shareholders in connection with the transaction regarding purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement, and the transactions contemplated under the Tiancheng Leasing Framework Agreement and will appoint the Independent Financial Adviser to advise the Independent Board Committee and the Independent Shareholders regarding the purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement, and the transactions contemplated under the Tiancheng Leasing Framework Agreement.

According to the requirements of Rules 14A.46(1) and 19A.39A of the Hong Kong Listing Rules and the PRC Company Law, the Company shall despatch a circular containing, among others, further details of the continuing connected transactions for the purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement, a letter from the Independent Board Committee and an opinion of an independent financial advisor to the shareholders as soon as possible but in any event not later than 5 December 2022.

I. RELATIONSHIP BETWEEN THE COMPANY, HUANENG GROUP, HUANENG FINANCE AND TIANCHEN LEASING

The Company and its subsidiaries mainly develop, construct, operate and manage large-scale power plants in China nationwide. It is one of the largest listed power producers in China, with a controlled generation capacity of 122,573MW.

Huaneng Group is principally engaged in the operation and management of enterprise investments; development, investment, construction, operation and management of power plants; organising the generation and sale of power (and heat); and the development, investment, construction, production and sale of products in relation to energy, transportation, new energy and environmental protection industries.

Huaneng Finance is a company incorporated in the PRC, of which the principal business includes absorbing deposits of the member units, handling loans and financial leasing for the member units, assisting the member units in realizing the receipt and payment of transaction monies, providing guarantee to the member units, handling entrusted loans among the member units, handling bill acceptance and discounting for the member units, engaging in inter-bank borrowings, negotiable securities investment, etc. Huaneng Group holds 52% equity interest in Huaneng Finance. The Company holds 20% equity interest in Huaneng Finance, which in turn holds 0.39% equity interest in the Company.

Tiancheng Leasing is a company incorporated in the PRC, of which the principal business is finance lease. Currently, Tiancheng Leasing has six shareholders. Apart from the 20% equity interest which is held by the Company, the remaining 80% equity interests of Tiancheng Leasing is held by the five controlling subsidiaries of Huaneng Group (of which Huaneng Renewables Corporation Limited holds 5.56% interest, Huaneng Renewables (Hong Kong) Company Limited holds 4.44% interest, Huaneng Capital Services Company Limited holds 39% interest, China Huaneng Group Hong Kong Limited holds 21% interest, Huaneng Lancang River Hydropower Co., Ltd. holds 10% interest).

As at the date of publication of this announcement, Huaneng Group holds a 75% direct interest and a 25% indirect interest in HIPDC, while HIPDC, being the direct controlling shareholder of the Company, holds a 32.28% interest in the Company. Huaneng Group is a stated-owned central enterprise with power generation as its main business, which is under the supervision of the State-owned Assets Supervision and Administration Commission of the State Council. Huaneng Group also holds a 9.91% direct interest in the Company and holds a 3.01% indirect interest in the Company through its wholly-owned subsidiary Huaneng HK, a 0.84% indirect interest in the Company through Huaneng Treasury, its indirect wholly-owned subsidiary, and a 0.19% indirect interest in the Company through its controlling subsidiary Huaneng Finance. Huaneng Group is the ultimate controlling shareholder of the Company.

Under Chapter 14A of the Hong Kong Listing Rules, Huaneng Group is a connected person of the Company while the transactions between the Company and Huaneng Group (including its subsidiaries and associates, Huaneng Finance and Tiancheng Leasing) constitute connected transactions of the Company, and are subject to the relevant disclosure and/or Independent Shareholders' approval requirements as stipulated in the Hong Kong Listing Rules.

II. HUANENG GROUP FRAMEWORK AGREEMENT

The Company entered into the 2022 Huaneng Group Framework Agreement on 3 November 2021 and the Supplemental Agreement to 2022 Huaneng Group Framework Agreement on 18 October 2022 for the purpose of governing the conduct of certain continuing connected transactions between the Company and its subsidiaries and Huaneng Group (and its subsidiaries and associates) in 2022. The relevant agreements will expire on 31 December 2022. In order to continue the relevant transactions, the Company entered into the Huaneng Group Framework Agreement with Huaneng Group on 25 October 2022 for a term commencing on 1 January 2023 and expiring on 31 December 2023.

Pursuant to the Huaneng Group Framework Agreement, the Company and its subsidiaries will conduct the following transactions with Huaneng Group and its subsidiaries and associates on an on-going basis:

(1) Purchase of ancillary equipment and parts

Due to operational needs, the Company and its subsidiaries have to purchase ancillary equipment and parts which include mainly the raw materials and ancillary equipment and other installation and products relevant to the production operation for the infrastructure construction works for power plants. Pursuant to the provisions of the 2022 Huaneng Group Framework Agreement with respect to the purchase of ancillary equipment and parts in 2022 by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates, the annual cap of such transactions for 2022 was set at RMB2.1 billion. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount (unaudited) in respect of the purchase of ancillary equipment and parts by the Company and its subsidiaries from Huaneng Group and its subsidiaries

and associates was approximately RMB431 million. It is estimated that by the end of 2022, the actual aggregate transaction amount will not exceed the anticipated transaction amount of 2022. The substantial difference between the estimated transaction amount and the actual transaction amount was primarily due to the fact that adjustments were made to the projected transactions based on the Company's actual business scale and operation as a whole and the changes in market conditions.

For 2023, the aggregate transaction amount with respect to the purchase of ancillary equipment and parts by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates under the Huaneng Group Framework Agreement is estimated not to exceed RMB2.1 billion. Such cap is estimated on the basis of the overall business scale and operation of the power plants of the Company and its subsidiaries, a reasonable expectation of the Company and its subsidiaries as to the development of the relevant power plants, and also taking into account at the same time the benefit of offering favourable prices on bulk purchases by Huaneng Group and its subsidiaries and associates.

The competitive advantage of Huaneng Group and its subsidiaries and associates in the supply of ancillary equipment and parts is that they are able to offer more favourable prices for bulk purchase of ancillary equipment and parts. Taking into consideration the ability of Huaneng Group and its subsidiaries and associates to offer more favourable prices for ancillary equipment and parts, and owing to their close relationships with the Company and its subsidiaries, Huaneng Group and its subsidiaries and associates are able to provide the Company with the ancillary equipment and parts in a timely and reliable manner, thereby minimising the management and operational costs of the Company.

Pursuant to the Huaneng Group Framework Agreement, the terms and the prices with respect to the purchase of ancillary equipment and parts by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates are negotiated at arm's length terms, taking into account the then prevailing market conditions; but in any event at the terms and prices no less favourable than those offered to the Company and its subsidiaries by an independent third party for the same or similar type of ancillary equipment and parts. In addition, the payment of such purchases will be settled in cash in arrears, or in accordance with the payment terms agreed by the relevant parties in the contracts to be entered into pursuant to such framework agreement.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceeds 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rules 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such

transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB2.1 billion), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(2) Purchase of fuel and transportation services

The Company's main fuel for power generation is coal. Pursuant to the Huaneng Group Framework Agreement, the Company and its subsidiaries will purchase fuel and coal transportation services from Huaneng Group and its subsidiaries and associates at prices and charges calculated by reference to RMB/ton and the actual weight of carriage, with arm's length terms taking into account the then market conditions, and in any event the terms of the purchases of fuel and the transportation services shall be no less favourable than those offered by independent third parties to the Company and its subsidiaries for the same or similar type of fuel supply or transportation services.

Pursuant to the provisions of the 2022 Huaneng Group Framework Agreement with respect to the purchase of fuel and transportation services in 2022 by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates, the cap of the aggregate transaction amount for 2022 was RMB120 billion. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount (unaudited) for purchase of fuel and transportation services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates was approximately RMB65.856 billion. It is estimated that by the end of 2022, the actual aggregate transaction amount will not exceed the anticipated transaction amount of 2022. The substantial difference between the estimated transaction amount and the actual transaction amount was mainly attributable to the fact that the Company's actual operating conditions and market changes have made predictions and adjustments to the transaction; the coal market conditions and transportation market conditions have changed significantly compared with the estimates, resulting in a substantial difference between the estimated amount and the actual amount.

The cap of the transaction amount for purchase of fuel and transportation services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates pursuant to the Huaneng Group Framework Agreement in 2023 is estimated to be RMB120.9 billion. The payment of the consideration will be settled in cash in arrears, or in accordance with the payment terms agreed by the relevant parties in the contracts to be entered into pursuant to the framework agreement. The cap of such amount is set based on the current overall business scale and operation of the Company and the power plants of its subsidiaries, and the reasonable expectation of those power plants by the Company and its subsidiaries and market trend, and at the same time the capability in offering relatively competitive prices on bulk purchase by scale purchase of fuel and transportation by Huaneng Group and its subsidiaries and associates.

The competitive advantage of Huaneng Group and its subsidiaries and associates in the supply of fuel and transportation services is that they can offer more favourable prices for bulk purchase of fuel and transportation services. Taking into consideration the ability of Huaneng Group and its subsidiaries and associates to offer more favourable prices for purchases of fuel and transportation services, and owing to their close relationships with the Company and its subsidiaries, Huaneng Group and its subsidiaries and associates are able to provide the Company and its subsidiaries with fuel and transportation services in a timely and reliable manner, thereby minimising the management and operational costs of the Company and its subsidiaries.

As the applicable percentage ratios relating to the transaction scale for the purchase of fuel and transportation services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transactions shall be subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules and the requirement to obtain approval from the Independent Shareholders. The Company has conducted a detailed survey in respect of its short-term and long-term operational demand for coal and coal transportation services. The Company is of the view that before the convening of the extraordinary general meeting, such transactions will not (and the Company will through its internal control system ensure that such transactions will not) exceed the relevant thresholds that require Independent Shareholders' approval under the Hong Kong Listing Rules.

(3) Leasing of facilities, land and office spaces

For operational needs, the Company and its subsidiaries have to lease facilities, land and office spaces (mainly including power transmission and transformation assets, vessels, land and office spaces for power plants, etc.) from Huaneng Group and its subsidiaries and associates. Pursuant to the provisions of the 2022 Huaneng Group Framework Agreement with respect to the leasing of facilities, land and office spaces in 2022 by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates, the cap of the relevant transaction amount for 2022 was set at RMB300 million. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount (unaudited) which has already been paid by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates for leasing of facilities, land and office spaces was approximately RMB143 million. It is estimated that by the end of 2022, the actual aggregate transaction amount will not exceed the anticipated transaction amount of 2022.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to the leasing of facilities, land and office spaces by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates in 2023 is estimated not to exceed RMB300 million. The estimate of such cap amount is based on the existing overall business scale and operation of the power plants of the Company and its subsidiaries, the anticipated development and growth of such power plants as deemed

reasonable by the Company and its subsidiaries, taking into account at the same time the benefit of favourable prices offered by Huaneng Group and its subsidiaries and associates for leasing of facilities, land and office spaces.

In respect of leasing of facilities, land and office spaces, the competitive advantage of Huaneng Group and its subsidiaries and its associates is their ability to offer more favourable prices for leasing of facilities, land and office spaces. Taking into consideration the ability of Huaneng Group and its subsidiaries and associate in offering more favourable prices for leasing of facilities, land and office spaces, and owing to their close relationships with the Company and its subsidiaries, Huaneng Group and its subsidiaries and associates are able to provide the Company with the leased facilities, land and office spaces in a timely and reliable manner, thereby minimising the management and operational costs of the Company and its subsidiaries.

Pursuant to the Huaneng Group Framework Agreement, the terms and the prices with respect to the leasing of facilities, land and office spaces to the Company and its subsidiaries by Huaneng Group and its subsidiaries and associates are negotiated at arm's length terms, taking into account the then prevailing market conditions; but in any event at the leasing terms and prices no less favourable than those offered to the Company and its subsidiaries by independent third parties for the same or similar types of leased facilities, land and office spaces. In addition, the payment will be settled in cash, or in accordance with the payment terms agreed by the relevant parties in the contracts to be entered into in future pursuant to the framework agreement.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceeds 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of conducting annual reviews of these continuing connected transactions. If the actual aggregate amount of such transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB300 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(4) Accepting the technical services, engineering contracting services and other services

Accepting the technical services, engineering contracting services and other services between the Company and its subsidiaries and Huaneng Group and its subsidiaries and associates mainly includes the provision of fuel management service relevant to power plants, maintenance services for power plants' monitoring systems, real-time consolidation of project data, trial run of generating units, supervision of manufacture of facilities, contracting of construction works in progress and insurance services by Huaneng Group

and its subsidiaries and associates to the Company and its subsidiaries. Pursuant to the 2022 Huaneng Group Framework Agreement, the cap for the aggregate transaction amount with respect to the purchase of technical services, engineering contracting services and other services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates for 2022 was set at RMB4.2 billion. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount (unaudited) between the Company and its subsidiaries and Huaneng Group and its subsidiaries and associates was approximately RMB1.480 billion. It is estimated that by the end of 2022, the actual aggregate transaction amount will not exceed the anticipated transaction amount of 2022. The substantial difference between the estimated transaction amount and the actual transaction amount was primarily due to the fact that adjustments were made to the projected transactions based on the Company's actual business scale and operation as a whole and the changes in market conditions.

Pursuant to the Huaneng Group Framework Agreement and the adjustments made based on the Company's actual overall business scale and operations, the market changes and the expected volume of transactions, the transaction amount with respect to accepting the technical services, engineering contracting services and other services between the Company and its subsidiaries and Huaneng Group and its subsidiaries and associates in 2023 is estimated not to exceed RMB9.5 billion. The estimate of such cap is based on the one hand on the existing overall business scale and operation of the power plants of the Company and its subsidiaries as well as the anticipated development and growth of such power plants as deemed reasonable by the Company and its subsidiaries, having taken into account the benefit of favourable prices for the purchase of technical services and engineering contracting services and other services offered by Huaneng Group and its subsidiaries and associates. The reason for the significant difference between the estimated amount in 2023 and the actual amount in 2022 is that the transaction was estimated and adjusted based on the large number of new energy engineering construction needs brought about by the green transformation of the Company.

On the one hand, the competitive advantage of Huaneng Group and its subsidiaries and associates in terms of providing technical services, engineering contracting services and other services is that they can offer more favourable prices to the Company and its subsidiaries. Taking into consideration the ability of Huaneng Group and its subsidiaries and associates to offer more favourable prices for technical services, engineering contracting services and other services, and owing to their close relationships with the Company and its subsidiaries, Huaneng Group and its subsidiaries and associates are able to provide the Company and its subsidiaries with the technical services, engineering contracting services and other services in a timely and reliable manner, thereby minimising the management and operational costs of the Company and its subsidiaries. In addition, some of the subsidiaries and associates of Huaneng Group focus on researching information technology and national new energy power generation technology, as well as equipment of thermal energy in power plants, therefore can provide reliable and efficient services of information technology and project contracting, and can also provide

advanced and comprehensive power station-specific technical services and project contracting services, which can lower the operational costs of the Company and its subsidiaries.

Pursuant to the Huaneng Group Framework Agreement, the terms and the prices of transactions with respect to technical services, engineering contracting services and other services between the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates are negotiated at arm's length terms, taking into account the then prevailing market conditions; but in any event at the terms and prices no less favourable than those offered to the Company and its subsidiaries by independent third parties for the same or similar types of technical services, engineering contracting services and other services. In addition, the payment of consideration will be settled in cash in arrears, or in accordance with the payment terms agreed by the relevant parties in the contracts to be entered into pursuant to the framework agreement.

As the applicable percentage ratios relating to the transaction scale for accepting the technical services, engineering contracting services and other services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transactions shall be subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules and the requirement to obtain approval from the Independent Shareholders. The Company has conducted a detailed survey in respect of its short-term and long-term operational demand for the technical services, engineering contracting services and other services. The Company is of the view that before the convening of the extraordinary general meeting, such transactions will not (and the Company will through its internal control system ensure that such transactions will not) exceed the relevant thresholds that require Independent Shareholders' approval under the Hong Kong Listing Rules.

(5) Provision of entrusted sale and related services to Huaneng Group and its subsidiaries and associates

The provision of entrusted sale of electricity and related services from Huaneng Group and its subsidiaries and associates to the Company and its subsidiaries involves mainly Huaneng Group and its subsidiaries and associates using of power generation quota of the Company and its subsidiaries for substituted power generation. The transaction prices of substituted power generation are to be settled in two ways: (1) after using the power generation quota of the Company and its subsidiaries to generate electricity, Huaneng Group and its subsidiaries and associates will settle with the power grid company(ies) first, and then pay the difference to the Company and its subsidiaries; (2) after using the power generation quota of the Company and its subsidiaries by Huaneng Group and its subsidiaries and associates to generate electricity, the Company and its subsidiaries will settle with the power grid company(ies) first and then to pay to Huaneng Group and its subsidiaries and associates the power generation costs and other expenses. At the same

time, when the Company and its subsidiaries sell electricity to Huaneng Group and its subsidiaries and associates, or entrust Huaneng Group and its subsidiaries and associates to sell electricity to users in the market, the Company and its subsidiaries shall pay the corresponding service fees. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount for the provision of entrusted sale and related services from Huaneng Group and its subsidiaries and associates to the Company and its subsidiaries was RMB0.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to such entrusted sale and related services between the Company and its subsidiaries and Huaneng Group and its subsidiaries and associates for 2023 is estimated to be RMB400 million. Such cap is set based on the factors such as overall business scale of the transaction parties in 2023, the quota for transfer of power generation, transaction rules, transaction volume, transaction prices, service fees, etc. and the reasonable expectation of the transactions by the Company and its subsidiaries.

In order to resolutely implement the State's power system reform, energy conservation and emission reduction strategy, and to save cost and improve efficiency, the Company and its subsidiaries will carry out substituted power generation transactions, power transactions, paid services and other businesses in areas where the Company and its subsidiaries are located. The counterparty(ies) of the transaction include connected or non-connected party(ies). On aspect of substituted power generation, power transactions, paid services, etc., the advantage of Huaneng Group and its subsidiaries and associates is that they have a relatively better co-operation relationship with the Company and its subsidiaries.

Pursuant to the Huaneng Group Framework Agreement, the terms and prices with respect to the provision of aforesaid entrusted sale and related services from Huaneng Group and its subsidiaries and associates to the Company and its subsidiaries are to be negotiated at arm's length terms, taking into account the then prevailing market conditions, but in any event at the terms and prices no less favourable than those offered to the Company and its subsidiaries by an independent third party for the same or similar type of services. In addition, the relevant price shall be paid in cash after the performance of the contract, or according to the terms agreed in the contract signed by the relevant parties in accordance with the framework agreement in the future.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceeds 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such

transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB400 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(6) Accept the provision of entrusted sale and related services from Huaneng Group and its subsidiaries and associates

The acceptance of the provision of entrusted sale and related services from Huaneng Group and its subsidiaries and associates by the Company and its subsidiaries involves mainly the use of power generation quota of Huaneng Group and its subsidiaries and associates for substituted power generation. The transaction prices of substituted power generation are to be settled in two ways: (1) after using the power generation quota of Huaneng Group and its subsidiaries and associates to generate electricity, the Company and its subsidiaries will settle with the power grid company(ies) first, and then pay the difference to Huaneng Group and its subsidiaries and associates; (2) after using the power generation quota of Huaneng Group and its subsidiaries and associates by the Company and its subsidiaries to generate electricity, Huaneng Group and its subsidiaries and associates will settle with the power grid company(ies) first and then to pay to the Company and its subsidiaries the power generation costs and other expenses. At the same time, when the Company and its subsidiaries purchase electricity from Huaneng Group and its subsidiaries and associates, or accept the entrustment of Huaneng Group and its subsidiaries and associates to sell electricity to users in the market, the Company and its subsidiaries shall charge the corresponding service fees. Pursuant to the 2022 Huaneng Group Framework Agreement with respect to the acceptance of the provision of entrusted sale and related services from Huaneng Group and its subsidiaries and associates by the Company and its subsidiaries, the cap of the aggregate transaction amount for 2022 was set at RMB400 million. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount for the provision of entrusted sale and related services from Huaneng Group and its subsidiaries and associates to the Company and its subsidiaries was RMB0. It is estimated that by end of 2022, the aggregate of the actual transaction amount will not exceed the anticipated transaction amount in 2022.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to the acceptance of the entrustment of the sale and related services between the Company and its subsidiaries and Huaneng Group and its subsidiaries and associates for 2023 is estimated to be RMB300 million. Such cap is set based on the factors such as overall business scale of the transaction parties in 2023, the quota for transfer of power generation, transaction rules, transaction volume, transaction prices, service fees, etc. and the reasonable expectation of the transactions by the Company and its subsidiaries.

In order to resolutely implement the State's power system reform, energy conservation and emission reduction strategy, and to save cost and improve efficiency, the Company and its subsidiaries will carry out substituted power generation transactions, power transactions, paid services and other businesses in areas where the Company and its subsidiaries are

located. The counterparty(ies) of the transaction include connected or non-connected party(ies). On aspect of substituted power generation, power transactions, paid services, etc., the advantage of Huaneng Group and its subsidiaries and associates is that they have a relatively better co-operation relationship with the Company and its subsidiaries.

Pursuant to the Huaneng Group Framework Agreement, the terms and prices with respect to the provision of aforesaid entrusted sale and related services from Huaneng Group and its subsidiaries and associates to the Company and its subsidiaries are to be negotiated at arm's length terms, taking into account the then prevailing market conditions, but in any event at the terms and prices no less favourable than those offered to the Company and its subsidiaries by an independent third party for the same or similar type of services. In addition, the relevant price shall be paid in cash after the performance of the contract, or according to the terms agreed in the contract signed by the relevant parties in accordance with the framework agreement in the future.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceeds 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB300 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(7) Sale of products and related services

To be more cost-efficient in management, the Company's subsidiary(ies) will sell products and related services (mainly coal, transportation and port services) to Huaneng Group and its subsidiaries and associates. The prices and charges of coal will be calculated by reference to RMB/ton and the actual weight of carriage, with arm's length terms taking into account the then market conditions, and in any event the terms of the purchases of coal and other related products shall be no less favourable than those offered by independent third parties to the Company for the same or similar type of coal supply and other related products. Pursuant to the 2022 Huaneng Group Framework Agreement, the cap of the aggregate transaction amount with respect to the sale of products and related services by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates for 2022 was set at RMB500 million. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount (unaudited) for the sale of products and related services by the Company and its subsidiaries and related services to Huaneng

Group and its subsidiaries and associates was RMB8 million. It is estimated that by end of 2022, the aggregate of the actual transaction amount will not exceed the anticipated transaction amount in 2022.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to the sale of products and related between the Company and Huaneng Group and its subsidiaries and associates for 2023 is estimated to be RMB800 million. The payment of the consideration will be settled in cash in arrears, or in accordance with the payment terms to be agreed by the relevant parties pursuant to the Huaneng Group Framework Agreement. Such estimate of cap amount is based on the demand of coal and transportation and relevant products of the power plants of Huaneng Group and its subsidiaries in 2023 and more favorable pricing by way of bulk purchase. In order to leverage the advantage of scale procurement, the Company may increase the purchase volume of coal and re-sell excess portion to the power plants of Huaneng Group and its subsidiaries.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceeds 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB800 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(8) Purchase of heat products and related services

The purchase of heat products and related services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates includes the purchase of industrial steam, hot water and other thermal products produced by power plants and heating enterprises, and the entrustment to Huaneng Group and its subsidiaries and associates to sell industrial steam, hot water and other thermal products, and pay the corresponding service fees to counterparties. During the period from 1 January 2022 to 30 September 2022, the transaction amount in respect of this category by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates was RMB0.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to the purchase of heat and related services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates in 2023 is estimated to be RMB200 million. The cap of the transaction amount is based on the overall business scale and operation of the Company and its subsidiaries in 2023, as well as the reasonable

expectations of the Company and its subsidiaries for the development of the transaction, and considering at the same time that Huaneng Group and its subsidiaries and associates can reduce the management and operating costs of the Company and its subsidiaries, thereby improving the Company's operating results.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such transactions during the year ending 31 December 2022 exceeds the above cap (i.e. RMB200 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(9) Sale of heat products and related services

The Company and its subsidiaries sell heat products and related services to Huaneng Group and its subsidiaries and associates, mainly includes the sales of industrial steam, hot water and other thermal products by the Company's power plants and heating enterprise, and the acceptance of the entrustment by Huaneng Group and its subsidiaries and associates to sell industrial steam, hot water and other thermal products on their behalf, and charge counterparties for the service fees.

Pursuant to the provisions of the 2022 Huaneng Group Framework Agreement with respect to the sale of heat products and related services by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates, the cap of the aggregate transaction amount for 2022 was set at RMB300 million. During the period from 1 January 2022 to 30 September 2022, the transaction amount (unaudited) in respect of this category by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates was RMB6 million. It is estimated that by the end of 2022, the actual aggregate transaction amount will not exceed the anticipated transaction amount for 2022.

According to the Huaneng Group Framework Agreement, the transaction amount with respect to the sale of heat and related services by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates in 2023 is estimated to be RMB400 million. The cap of the transaction amount is based on the overall business scale and operation of the Company and its subsidiaries in 2023, as well as the reasonable expectations of the Company and its subsidiaries for the development of the transaction, and considering at the same time that the long term close cooperation between the Company and Huaneng Group and its subsidiaries and associates can secure the sale business of the Company.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB400 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(10) Purchase of carbon emission reduction resources and related services

The purchase of carbon emission reduction resources and related services by the Company and its subsidiaries includes carbon allowances, State-Certified Voluntary Emission Reduction (CCER), green certificates and carbon emission reduction related services from Huaneng Group and its subsidiaries and associates.

Pursuant to the 2022 Huaneng Group Framework Agreement and the Supplemental Agreement to the 2022 Huaneng Group Framework Agreement regarding the purchase of carbon emission reduction resources and related services by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates in 2022, the annual cap of the relevant transaction amount in 2022 is RMB500 million. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount for the purchase of carbon emission reduction resources and related services from Huaneng Group and its subsidiaries and associates by the Company and its subsidiaries was RMB0. It is estimated that by end of 2022, the aggregate of the actual transaction amount will not exceed the anticipated transaction amount in 2022.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to the purchase of carbon emission reduction resources and related services by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates in 2023 is estimated to be RMB900 million. The cap of the transaction amount is based on the shortage of carbon emission reduction resources of the Company and its subsidiaries in 2023, and considering at the same time that Huaneng Group and its subsidiaries and related parties can reduce the management and operating costs of the Company and its subsidiaries, thereby improving the Company's operating results.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with

respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such transactions during the year ending 31 December 2023 exceeds the above cap (i.e. RMB900 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(11) Sale of carbon emission reduction resources and related services

The sale of carbon emission reduction resources and related services by the Company and its subsidiaries includes the sale of carbon allowances, State-Certified Voluntary Emission Reduction (CCER), green certificates and carbon emission reduction related services to Huaneng Group and its subsidiaries and associates.

Pursuant to the 2022 Huaneng Group Framework Agreement and the Supplemental Agreement to the 2022 Huaneng Group Framework Agreement regarding the sale of carbon emission reduction resources and related services by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates in 2022, the annual cap of the relevant transaction amount in 2022 is RMB500 million. During the period from 1 January 2022 to 30 September 2022, the aggregate transaction amount for the sale of carbon emission reduction resources and related services to Huaneng Group and its subsidiaries and associates by the Company and its subsidiaries was RMB0. It is estimated that by end of 2022, the aggregate of the actual transaction amount will not exceed the anticipated transaction amount in 2022.

Pursuant to the Huaneng Group Framework Agreement, the transaction amount with respect to the sale of carbon emission reduction resources and related services by the Company and its subsidiaries to Huaneng Group and its subsidiaries and associates in 2023 is estimated to be RMB500 million. The cap of the transaction amount is based on the sufficiency of carbon emission reduction resources of the Company and its subsidiaries in 2023 and the reasonable expectation for the development of the transaction. It also takes into account that the long term close cooperation between the Company and Huaneng Group and its subsidiaries can secure the sale business of the Company.

As none of the applicable percentage ratios relating to the scale of the transactions in question calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transactions are only subject to the reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but are exempt from the Independent Shareholders' approval requirements. In addition, the Company will, with respect to the transactions in question, comply with the requirements under Rule 14A.55 to 14A.59 of the Hong Kong Listing Rules in respect of the annual review of these continuing connected transactions. If the actual aggregate amount of such transactions

during the year ending 31 December 2023 exceeds the above cap (i.e. RMB500 million), the Company will further comply with the requirements under Rule 14A.54 of the Hong Kong Listing Rules.

(12) Borrowing trust loans and accepting loans

Borrowing trust loans is direct borrowing of trust loans by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates without the involvement of any agent bank as an intermediary, whereas accepting loans is primarily organized between Company and its subsidiaries and Huaneng Group and its subsidiaries and associates with a trustee or agent bank acting as an intermediary (entrusted loan), or through the mode of direct transaction. The Huaneng Group Framework Agreement has also included (i) borrowing of trust loans by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates; and (ii) the provision of loans from Huaneng Group and its subsidiaries and associates to the Company and its subsidiaries. For reasons as set out in the paragraph below, the trust loans and the loans under the Huaneng Group Framework Agreement are exempted the reporting, announcement and Independent Shareholders' requirements under the Hong Kong Listing Rules. The setting of the cap of the transaction amount (i.e. interest arising from borrowing of the relevant trust loans) of the trust loans to be borrowed and the transaction amount (i.e. the amount of the loans accepted) of the loans received is to comply with the disclosure requirements under the SSE Listing Rules. The cap of the amount of interest arising from the transactions (i.e. interest arising from borrowing of the relevant trust loans) of the trust loans borrowed for 2023 is expected to be RMB800 million and the transaction amount (i.e. the amount of the loans accepted) of the loans received for 2023 is expected to be RMB20 billion or its equivalent in foreign currency (maximum daily balance of the loan).

Given that the trust loans and loans are obtained by the Company and its subsidiaries from or through Huaneng Group and its subsidiaries and associates on normal commercial terms which are comparable to or more favourable than those available from independent third parties for similar services in the PRC and that no security is granted over the assets of the Company and its subsidiaries in respect of such services, the trust loans and loans contemplated under the Huaneng Group Framework Agreement are exempted from all the reporting, announcement and Independent Shareholders' approval requirements pursuant to Rule 14A.90 (which relates to financial assistance) of the Hong Kong Listing Rules. The Company therefore only makes disclosure in light of the Company's announcement disclosed on the Shanghai Stock Exchange.

III. SUPPLEMENTAL AGREEMENT TO HUANENG FINANCE FRAMEWORK AGREEMENT

The Company entered into a framework agreement with Huaneng Finance on 26 October 2021 for the purpose of governing the conduct of the continuing connected transactions between the Company and Huaneng Finance from 2022 to 2024 (the “**2022-2024 Huaneng Finance**

Framework Agreement”). Due to the energy supply and clean energy project construction, Huaneng Finance can provide preferential loan support. Taking into account the Company’s business development needs, the Company proposes to adjust by increasing the loan advancement cap with Huaneng Finance. On 25 October 2022, the Company entered into the Supplemental Agreement to Huaneng Finance Framework Agreement with Huaneng Finance. During the period from 1 January 2023 to 31 December 2024, the maximum loan outstanding balance (on daily basis) of the Company and its subsidiaries from Huaneng Finance shall be increased from RMB23 billion (or its equivalent in foreign currency) to RMB33 billion (or its equivalent in foreign currency). Except for the newly agreed matters in the Supplemental Agreement to Huaneng Finance Framework Agreement, other terms under the Huaneng Finance Framework Agreement shall remain unchanged.

Under the Huaneng Finance Framework Agreement and the Supplemental Agreement to Huaneng Finance Framework Agreement, when the Company and its subsidiaries conduct loan advancement with Huaneng Finance, the conditions provided by Huaneng Finance to the Company and its subsidiaries shall be on normal commercial terms and shall not be less favourable than those obtained by the Company and its subsidiaries from independent third parties, and Huaneng Finance shall provide loans to the Company and its subsidiaries in accordance with such conditions. Huaneng Finance shall provide relevant loans to the Company and its subsidiaries in a timely manner in accordance with the pricing principles stipulated in the Huaneng Finance Framework Agreement and the Supplemental Agreement to Huaneng Finance Framework Agreement, necessary written agreements shall be signed by both parties regarding the loan business and provisions of applicable laws.

The Company and its subsidiaries will enter into necessary written agreement(s) with Huaneng Finance for specific transactions within the scope determined by the Huaneng Finance Framework Agreement and the Supplemental Agreement to Huaneng Finance Framework Agreement according to the actual situation, and will follow the specific agreement(s) stipulated in the agreement(s) to make payment and/or receive relevant price/fee/interest (the “**Implementation Agreement(s)**”), Each Implementation Agreement will specify the specifics of the transaction. The Implementation Agreement is stipulated in accordance with the services to be provided under the Huaneng Finance Framework Agreement and the Supplemental Agreement to Huaneng Finance Framework Agreement and therefore does not constitute a new category of connected transactions. Any such Implementation Agreement(s) will not exceed the scope of the Huaneng Finance Framework Agreement and the Supplemental Agreement to Huaneng Finance Framework Agreement and the relevant caps.

The arrangements under the Supplemental Agreement to Huaneng Finance Framework Agreement are non-exclusive, and both parties to the agreement have the right to independently choose the counterparty for the relevant transaction(s).

Implication under Hong Kong Listing Rules

With respect to loan advancement, given that the loan advancement services provided by Huaneng Finance are for the benefit of the Company and on normal commercial terms that are comparable to or more favourable than those offered by independent third parties for similar services in the PRC and that no security is granted over the assets of the Company in respect of such services, the transactions for loan advancement services contemplated under the Supplemental Agreement to Huaneng Finance Framework Agreement are exempt from all the reporting, announcement and Independent Shareholders' approval requirements pursuant to Rule 14A.90 of the Hong Kong Listing Rules.

IV. TIANCHENG LEASING FRAMEWORK AGREEMENT

On 1 November 2019, the Company entered into the leasing framework agreement (“**2020-2022 Tiancheng Leasing Framework Agreement**”), effective for a term commencing on 1 January 2020 and expiring on 31 December 2022.

On 25 October 2022, the Company entered into the Tiancheng Leasing Framework Agreement with Tiancheng Finance for the purpose of governing the conduct of continuing connected transactions between the Company and Tiancheng Leasing from 2023 to 2025. Tiancheng Leasing Framework Agreement shall be effective from 1 January 2023 to 31 December 2025.

Under the 2020-2022 Tiancheng Leasing Framework Agreement, the estimated Lease Principal (the maximum daily balances of the Lease Principal each year) of the Company and its subsidiaries and Tiancheng Leasing from 2020 to 2022 is RMB10 billion, and the annual amount of the Lease Interest is RMB490 million.

For the period from 1 January 2022 to 30 September 2022, the maximum daily balances of the Lease Principal between the Company and its subsidiaries and Tiancheng Leasing was RMB2.126 billion (unaudited), and the Lease Interest was RMB117 million (unaudited).

Under the Tiancheng Leasing Framework Agreement, Tiancheng Leasing mainly provides financial leasing services to the Company and its subsidiaries. The estimated amount of connected transactions between the Company and its subsidiaries and Tiancheng Leasing from 2023 to 2025 (the maximum daily balances of the Lease Principal) is RMB10 billion per year, and the annual amount of the Lease Interest (including interest expenses and handling fees) is RMB490 million. The annual transaction amount is estimated based on the investment needs of the Company in the power sector represented by new energy in the coming years, as well as the investment and financing needs in the fields of technological transformation such as ultra-low emission technical transformation of coal-fired power units.

Direct Lease(s) and Sales and Leaseback

The finance lease services provided by Tiancheng Leasing include the direct lease (the “**Direct Lease(s)**”) and sale-and-leaseback (the “**Sales and Leaseback**”). They are all classified as finance leases and normally possess similar attributes as follows:

- (i) In relation to Direct Lease, the lessor (being Tiancheng Lease), based on the choice of the lessee (being the Company or its subsidiaries), acquires the leased property for the direct purpose of leasing it out to the lessee. The lessor owns the title to the leased property. The lessee, pursuant to the relevant agreement(s), shall pay the rent (inclusive of interest) to the lessor during the lease term. At the expiry of the lease term, the lessee is given an option to purchase, or to renew or terminate the lease of, the leased property. In relation to Sales and Leaseback, the lessor (being Tiancheng Leasing), based on the choice of the lessee (being the Company or its subsidiaries), acquires from the lessee the leased property and then leases it back to the lessee. The lessee, pursuant to the relevant agreement(s), shall pay the rent and interests to the lessor during the lease term. At the expiry of the lease term, the lessee is given an option to purchase, or to renew or terminate the lease of, the leased property;
- (ii) The amount of the lease rent will be determined by reference to the total purchase price of the relevant equipment and the interest agreed by the parties. The interest rate shall be based upon the term loan benchmark rate published by the PBOC from time to time and negotiated and agreed by the parties on arm’s length basis taking into account the market conditions, and shall be no less favourable than those offered to the Company by domestic independent third parties for the provision of similar services. Handling fee (if any) may be charged by Tiancheng Leasing from the Company and its subsidiaries at the time of conclusion of the finance leases under the Tiancheng Leasing Framework Agreement on terms no less favourable than those offered to the Company and its subsidiaries by independent third parties and at such rate as fixed by reference to the charge rates of other major financial institutions in the PRC for finance leases of assets of the same or similar type or the applicable rate (if any) published by the PBOC from time to time in relation to such services and as set forth in the relevant written agreements. The lease interest rate will be decided at the commencement of each finance lease executed pursuant to the Tiancheng Leasing Framework Agreement. In the event the PBOC adjusts the annual benchmark rate for RMB-denominated term loans during the term of relevant finance lease, the lease interest rate will be adjusted accordingly. The transaction amounts shall be paid at the end of each quarter or year or at such other intervals as agreed by the parties;
- (iii) As to each financial leasing transaction, the Company and Tiancheng Leasing shall enter into separate financial lease(s) pursuant to the terms of the Tiancheng Leasing Framework Agreement so as to give effect to the same;

- (iv) During the lease term, the title of the leased equipment shall remain vested in Tiancheng Leasing whilst the Company enjoys the usage right of such equipment. Upon the expiry of the lease term, subject to the Company's fulfilment of its obligations under the relevant finance lease(s) and at the Company's option, the title of such leased equipment will be transferred to the Company at a nominal consideration; and
- (v) The lease term will be determined by, amongst others, the useful life of the relevant leased equipment, the financial needs of the Company and the funding availability of Tiancheng Leasing, which in general should not exceed the useful life of such leased equipment. The lease term of relevant financial lease(s) may exceed three years.

Reasons for and benefits of entering into the Tiancheng Leasing Framework Agreement

Launching routine connected transactions of finance lease will help the Company to broaden its financing channels, raise low-cost funds and control financing risks and financing costs, thus facilitating the business development and smooth operations of the Company. Under the current circumstances, finance leases, in particular Direct Lease(s), will help reduce the cash costs of purchasing necessary equipment for the Company and its subsidiaries, thereby increasing financial resources for other business development activities.

The processing time for approval of one-off connected transactions is relatively long and it is difficult to meet the needs of commencing direct lease business. After replacing the business tax with value-added tax, the financial leasing form of Tiancheng Leasing is changed from sale and leaseback to direct lease. The direct lease business will be launched at the time of procurement of new equipment for the main businesses, so payments should be made at a pace matching with the relevant provisions of the main business equipment procurement contracts, so that services will be more flexible and convenient. On the other hand, flexible and convenient services have relatively high requirements on business examination and approval effectiveness. Tiancheng Leasing is required to maintain a smooth channel for connected transactions with the Company, such that its launch of the relevant products could be tuned with the exact timing for financing as required by the Company and its subsidiaries.

Tiancheng Leasing relies on the strong industry background of Huaneng Group, and is a professional leasing company specialising in renewables and environmental protection. The terms offered to the Company and its subsidiaries by Tiancheng Leasing are offered on normal commercial terms and are not less favourable than those which the Company and its subsidiaries may obtain from independent third parties. As a member within Huaneng Group, Tiancheng Leasing can design a better financial leasing plan according to the requirements of the project units of the Company and adopt a more flexible repayment method, thus achieving a better match between rental payments and the operating cash flows of the project. The Company is a shareholder of Tiancheng Leasing, and the income generated by the sound operations of Tiancheng Leasing will bring substantial dividends to the shareholders.

Entering into the Tiancheng Leasing Framework Agreement will help the Company to broaden its financing channels and raise relatively low-cost funds. It enables the Company to control financing risks and financing costs at times when the size of bank loans is still tightened up, and will facilitate the smooth development and operation of the Company's business.

Implication of IFRS 16 (Leases) on the finance leasing arrangement between the Company and Tiancheng Leasing

Pursuant to the IFRS 16 (Leases), the Company recognises right-of-use assets at the commencement date of the lease (i.e., the date the underlying asset is available for use). Right of use assets are measured at cost, less any accumulated depreciation and impairment losses, and adjusted for any re-measurement of lease liabilities. At the commencement date of the lease, the Company recognises lease liabilities measured at the present value of lease payments to be made over the lease term. In calculating the present value of lease payments, the Company uses the incremental borrowing rate at the lease commencement date if the interest rate implicit in the lease is not readily determinable.

Accordingly, under IFRS 16 (Leases), the Company will recognise the underlying leased assets of relevant Direct Lease(s) representing its right to use the leased assets which the Company is reasonably certain to obtain ownership of the leased assets at the end of the leased term, subject to the specific lease terms and conditions to be set out in each of the lease agreement. In relation to the Sales and Leaseback, the relevant transactions will be accounted for as a finance leasing arrangement between the Company and Tiancheng Leasing.

Under the Tiancheng Leasing Framework Agreement, with respect to the transaction amount between the Company and its subsidiaries and Tiancheng Leasing for the period from 2023 to 2025, it is estimated that the Lease Principal (the maximum daily balances of the Lease Principal each year) will be RMB10 billion and the Lease Interest will be capped at RMB490 million. However, for purposes of the Hong Kong Listing Rules, the Direct Lease(s) involve(s) "acquisition" while the Sales and Leaseback constitute(s) "disposal". The Company therefore proposes to set (i) the transaction amount contemplated under the Direct Leases category of the Tiancheng Leasing Framework Agreement between the Company and its subsidiaries and Tiancheng Leasing for the period from 2023 to 2025 at RMB8 billion each year; and (ii) the transaction amount contemplated under the Sales and Leaseback category of the Tiancheng Leasing Framework Agreement between the Company and its subsidiaries and Tiancheng Leasing for the period from 2023 to 2025 at RMB2 billion each year.

Implication under Hong Kong Listing Rules

As the applicable percentage ratios relating to the transaction scale of the Direct Leases(s) with Tiancheng Leasing contemplated under the Tiancheng Leasing Framework Agreement calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transaction constitutes a discloseable transaction to the Company under Chapter 14 of the Hong Kong Listing Rules and also a continuing connected transaction of the Company under Chapter

14A of the Hong Kong Listing Rules, subject to the annual reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules and Independent Shareholders' approval under the Hong Kong Listing Rules.

As none of the applicable percentage ratios relating to the transaction scale of the Sales and Leaseback with Tiancheng Leasing contemplated under the Tiancheng Leasing Framework Agreement calculated in accordance with Rule 14.07 of the Hong Kong Listing Rules exceed 5%, such transaction constitutes a notifiable transaction to the Company under Chapter 14 of the Hong Kong Listing Rules and also a continuing connected transaction of the Company under Chapter 14A of the Hong Kong Listing Rules, subject to the annual reporting and announcement requirements under Rules 14A.71 and 14A.35 of the Hong Kong Listing Rules but is exempt from the Independent Shareholders' approval under the Hong Kong Listing Rules.

V. FAIRNESS OF THE CONTINUING CONNECTED TRANSACTIONS AND THEIR IMPACTS ON INDEPENDENCY OF THE COMPANY

The Huaneng Group Framework Agreement, the Supplemental Agreement to Huaneng Finance Framework Agreement and the Tiancheng Leasing Framework Agreement are signed on normal commercial terms which are fair and reasonable, with the prices/fees/interests agreed and confirmed by both parties by negotiating and concluding with arm's length terms, taking into account the then prevailing market conditions, and the terms of the relevant agreement and the transactions under such agreements offered to the Company and its subsidiaries by Huaneng Group and its subsidiaries and associates, Huaneng Finance, Tiancheng Leasing are no less favourable than those available from independent third parties. The Company and its subsidiaries will sign necessary written agreements on specific transactions with Huaneng Group and its subsidiaries and associates, Huaneng Finance, Tiancheng Leasing within the range set by the above-stated framework agreement according to actual conditions, and pay and/or charge the relevant prices/fees/interests based on the agreed method set forth in the relevant agreements.

The Company will, through the Huaneng Group Framework Agreement, the Supplemental Agreement to Huaneng Finance Framework Agreement and the Tiancheng Leasing Framework Agreement and a series of management arrangements in accordance with the regulatory requirements, maintain its independency in decision-making, the fairness of the prices of the transactions as well as the flexibility of the Company in connected transactions so as to alleviate the independence on its controlling shareholder. Such arrangements shall include without limitation the Company's right to make independent decisions as to the price and quantity of purchase and to access and obtain market information through various means so that the terms obtained by the Company from Huaneng Group and its subsidiaries and associates, Huaneng Finance, Tiancheng Leasing will be no less favorable than those available from independent third parties.

Based on the above, the Company is of the opinion that the Huaneng Group Framework Agreement, the Supplemental Agreement to Huaneng Finance Framework Agreement and the Tiancheng Leasing Framework Agreement and the continuing connected transactions thereunder are in the interests of the Company and the shareholders as a whole. Meanwhile, the Company has a complete business system and the ability to operate independently facing the market, therefore the above-stated framework agreements and the continuing connected transactions contemplated thereunder do not affect the independency of the Company.

VI. MEASURES TO SAFEGUARD THE INTEREST OF THE INDEPENDENT SHAREHOLDERS

Directors and senior management of the Company will monitor closely and review regularly each continuing connected transaction of the Company, and will adopt a series of risk management arrangements, and endeavour to maintain, in relation to each continuing connected transaction, the independence of the Company; the fairness of the price of the transaction; the fairness of the terms of the transaction; and the right of choice of the Company to conduct transactions with independent third parties other than Huaneng Group and its subsidiaries and associates. The relevant arrangements include:

(1) The Continuing Connected Transactions under the Huaneng Group Framework Agreement

- the continuing connected transactions contemplated under the Huaneng Group Framework Agreement are conducted on a non-exclusive basis;
- for transactions relating to the purchase of ancillary equipment and parts, the Company will proceed in accordance with the Company's procurement policy, which mainly stipulates that the Company will, from time to time, obtain quotations from large scale suppliers (including Huaneng Group and its subsidiaries and associates) and/or invite tenders from multiple suppliers and/or in certain circumstances make price enquiries. According to the Company's procurement policy, in addition to the offer of same or more favourable terms by the counterparty in a transaction, the Company will also consider other factors, including the corporate background of the counterparty; its reputation and reliability; its ability to conduct the transaction in accordance with the terms of the contract; and its understanding of the Company's needs, in order to maximise the Company's interest in the transaction and at the same time reduce the Company's time and costs of transaction;
- for transactions in relation to the purchase of fuel and coal transportation services,
 - (i) the Company has established a dedicated mechanism for information exchange and weekly and monthly information analysis, which mainly consists of: (i) collection of price information, such as pithead prices, listed prices at major coal production localities, inland coal transaction price indices, port price

indices, domestic futures indices, global coal prices, and price indices of imported coal; and in addition, information relating to the storage at harbours, the production, transportation and sale of coal, and price indices of freights is also collected as an aid in analysing the trend of the market price. The major information collection channels of the Company include: China Coal Market website 中國煤炭市場網 (<http://www.cctd.com.cn>), China Coal Resources website 中國煤炭資源網 (<http://www.sxcoal.com>), Qinhuangdao Coal website 秦皇島煤炭網 (<http://www.cqcoal.com>) and Qinhuadao Shipping Network 秦皇島海運網 (<http://www.osc.org.cn>), etc.; (ii) the Company has also established the Qinhuangdao distribution centre, which is charged with the monitoring of the daily, weekly and monthly prices of coal based on port and water transportation and related developments; (iii) the Company's branch companies and power plants are charged with collecting information on the market and pithead prices of their own location. In terms of pricing, the Company will issue weekly the guidance procurement price of coal for coastal power plants (based on the market information collected and generally lower than the then prevailing market price), the Company will invite at least three suppliers (including Huaneng Group and its subsidiaries and associates) to provide coal quotations within the range of the guidance procurement price as well as the price for transportation services. The Company shall invite suppliers including Huaneng Group and its subsidiaries and associates to jointly provide quotation on coal within the range of the procurement guidance price. The Company will independently choose and purchase from the best offer according to the market conditions relied upon in developing the Company's procurement strategies. The Company believes that such purchaser-oriented pricing process will lead to an open and transparent market mechanism for competition of coal based on market prices;

- (ii) the "market conditions" relied upon in developing the Company's procurement strategies can principally be summarised in the following manner: (i) changes in the prices of coal; (ii) aspects on coal transportation, including status on ship transportation at port (e.g. in circumstances where the northern ports such as Qinhuangdao are stranded seriously, the Company will arrange certain coal to be imported), the status on railway transportation (e.g. substantial overhaul of Datong Qinhuangdao railway), the status on road transportation (e.g. where the northern regions are affected by seasonal rain/snow); (iii) production condition (e.g. where major cooperation partners for coal supply or regional coal enterprises experience any safety incidents which may lead to a suspension in coal production or safety checks and hence the coal mine safety inspections may affect domestic coal production or supply of coal regionally, or where the import of coal from coal production areas like Indonesia, Australia, Colombia, South Africa, etc. are affected by incidents of natural disasters, storm, typhoon, etc.); (iv) status on level of inventory (including changes in the inventory at major ports and where power enterprises and coal companies run low in stock;

and (v) status on changes in policy. The State has Promulgated a number of environmental protection policies and coal industry policies which may have an impact on the volume of coal consumption, the types and quality of coal required by power enterprises. The Company will timely follow and collect latest information on market condition for assessing and formulating the Company's procurement strategies;

- for transactions in relation to leasing of power transmission and transformation assets, the lease by the Company and its subsidiaries of such facilities from Huaneng Group and its subsidiaries and associates is based on arm's length terms. The leasing fee payable is principally to offset the outlay of the supplier's costs, interest payment, operational expenses in maintenance, etc. For transactions in relation to the leasing of land and office spaces, the Company will have regard to the then prevailing market rent for similar types of properties in the nearby locations (which is publicly available information), and/or consult reputable local real estate agents for benchmarks of assessment. Such transactions will be reviewed by the Company's legal department in the legal aspects and approved by the contract management department;
- for transactions in relation to accepting the technical services, engineering contracting services and other services, the Company, at times when there are needs for purchasing transactions, will conduct such transactions according to the relevant procurement management rules, and will from time to time obtain quotations from suppliers of scale (including Huaneng Group and its subsidiaries and associates), and/or invite tenders from multiple suppliers and/or in certain circumstances make price enquiries in conducting such procurements. According to the Company's procurement policy, in addition to the offer of same or more favourable terms by the counterparty in a transaction, the Company will also consider other factors, including the Company's specific requirements in a transaction, the comparable advantages of the technological expertise of counterparties and the ability of counterparties to perform the contract and to provide follow-up services consequential to completion of a transaction, in order to maximise the Company's interest. As regards the provision of operation/production and related port supportive services, the prices are basically market-driven according to the prevailing market conditions. Nonetheless, the Company will conduct enquiry process by making reference to at least three other contemporaneous transactions with unrelated third parties for similar services to determine if the prices and terms offered by Huaneng Group and its subsidiaries and associates are fair and reasonable and comparable to those offered by independent third parties;
- for transactions in relation to the provision of entrusted sale services to Huaneng Group and its subsidiaries and associates, and the acceptance of provision of entrusted sale services from Huaneng Group and its subsidiaries and associates, it is formulated in tandem with the State's electricity system reform policies, substituted

power transactions rules, clean energy adoption measures, etc. The Company will take into account the operating conditions of the Company's generation units, operating costs, market changes, etc. Through mutual negotiation or trading platforms, the Company will carry out purchase/sale of electricity transactions, substituted electricity transactions and the transaction services in the electricity market in accordance with the principles of fairness and impartiality, so as to realise the maximum benefit for the Company;

- for transactions in relation to sale of products, in principle, the fuel company (which is 100% owned by the Company) will only sell coal to the Company's power plants. The Company will strictly control the conduct of coal sale transactions between the fuel company and related power plants. In circumstances where there is a severe shortage in the level of inventory in the power plants, the Company will, on condition that the Company's own power plants are preserved with sufficient coal supply for operation, sell the excess coal, as a temporary measure, to related power plants at prices according to the changes in market conditions. The Company will, through the information collection channels mentioned in transaction regarding purchase of fuel and coal transportation services above, with reference to the then market conditions and in conjunction with the costs for coal purchase by the fuel company, determine the then selling prices, so as to recoup the costs and to have a small profit;
- for the purchase of heat and related services and the sale of heat and related services, the transactions on sale and purchase of heat will be conducted in strict compliance with the management regulations of the Company and the internal control requirements. Meanwhile, the Company will closely monitor the changes in demand and supply in the heat market, collect and analyse the latest market information, and guide the Company to make timely adjustments to volume and price according to the operating scale of the Company and actual situation, so as to maximize the interests of the Company;
- for the purchase of carbon emission reduction resources and related services and the sale of carbon emission reduction resources and related services, the Company shall strictly follow the relevant requirements of the State's "dual carbon targets", and to conduct the relevant business according to the rules of carbon trading, CCER trading, green certificate trading, etc., so as to realise the reduction of the Company's carbon quota compliance cost, increase the income of emission reduction resources, and realise the maximum benefit of the Company;
- for borrowing trust loans and accepting loans transactions with Huaneng Group and its subsidiaries and associates will be conducted largely depend on the Company's overall fund size, the actual business needs of the Company, the changes in the capital market and the availability of fund that the Company can obtain through financial institutions. All application for loans by operating units of the Company

shall be submitted to the finance department in accordance with the Contract Management Rules of the Company. Through centralized co-ordination by the finance department of the Company, offers for the loans will be obtained from at least three financial institutions and non-financial institutions including Huaneng Group and its subsidiaries and associates for review and comparison by the finance department of the Company and approval by the chief accountant of the fund coordination committee (資金協調會); and

- the contract management department will strictly review contracts, the contract enforcement department will timely monitor the amount of connected transactions, and the relevant functional departments will supervise the compliance monitoring in production and operation. In addition to the annual review of the performance of specific contracts by the independent non-executive Directors and the Company's auditors, the Company's supervisors will also monitor the working arrangements involved in the Company's continuing connected transactions, and review whether the Company's transactions are fair and conducted at reasonable transaction prices.

(2) The Continuing Connected Transactions under the Huaneng Finance Framework Agreement

- the transactions under the Huaneng Finance Framework Agreement and its supplemental agreement are conducted on a non-exclusive basis;
- the Finance Department of the Company will obtain the terms of the deposit transactions and interest rate trends from major domestic commercial banks every week, and compare them according to the interest rate information released by The People's Bank of China, in order to ensure that the Company obtains the most favourable deposit terms, and to maximize the Company's overall interests in the transaction and minimize the transaction costs and time of the Company;
- the Company will conduct quarterly checking and clearing with related parties (including Huaneng Finance) in relation to the operational fund transfers in order to ensure the safety of funds; and
- the Company will strictly review contracts and timely monitor the amount and interest rate of the loan advancement services transactions, and the independent non-executive Directors and the Company's auditors will review annually the performance of agreements, in order to review the Company's deposit transactions with Huaneng Finance on their fairness and the amount and interest rate of the deposit transactions on their reasonableness.

(3) The Connected Transactions under the Tiancheng Leasing Framework Agreement

- each financial leasing transaction under the Tiancheng Leasing Framework Agreement is conducted on a non-exclusive basis;
- before considering conducting finance leasing transactions, the Company will obtain terms and rate(s) of interests etc. relating to financial leasing transactions from major financial leasing companies (who are independent of the Company and the connected persons of the Company) within the PRC, and compare the same with the benchmark lending rate(s) for term loans promulgated by PBOC from time to time in order to allow the Company to obtain the most favourable terms relating to financial leasing transactions, to maximise the Company's overall interests in the transactions, and to reduce the transaction costs and time of the Company;
- in respect of the financial lease(s) involving equipment newly acquired by Tiancheng Leasing, the transaction amount will be determined based on the total purchase cost of the relevant equipment as approved by the Company. The approval procedures usually include the Company obtaining quotations from more than one supplier who are independent of the Company and the connected persons of the Company for providing similar equipment on comparable terms; and
- the contract management department will strictly review contracts, the contract enforcement department will timely monitor the amount of connected transactions, and the relevant functional departments will supervise the compliance monitoring during the performance of the financial leasing transactions. In addition to the annual review of the performance of agreements by the independent non-executive Directors and the Company's auditors, the independent non-executive Directors will also review and confirm whether the Company's financial leasing transactions with Tiancheng Leasing are fair, whether the amount and interest rate are reasonable and whether they are in the interests of the Shareholders as a whole. The Company's supervisors will also monitor the working arrangements involved in the Company's continuing connected transactions, and review whether the Company's transactions are fair and conducted at reasonable transaction prices.

VII. BOARD'S CONFIRMATION

The Board has considered and approved the Huaneng Group Framework Agreement, the Supplemental Agreement to Huaneng Finance Framework Agreement and the Tiancheng Leasing Framework Agreement and the transactions and the estimates of relevant caps of the transactions under such agreements. Pursuant to the SSE Listing Rules and Rule 14A.68(8) of the Hong Kong Listing Rules, Messrs. Zhao Keyu, Huang Jian, Wang Kui, Lu Fei and Teng Yu, all being Directors of the Board being regarded as having a material interest in the continuing

connected transactions given their management positions in Huaneng Group or its associate, abstained from voting on the Board resolutions relating to the execution of such agreements. The resolution was voted by Directors who are not connected to the transactions.

The Board is of the view that those agreements were entered into: (i) in the ordinary and usual course of business of the Company; (ii) on normal commercial terms (on arm's length basis or on terms no less favourable to the Company than terms available from independent third parties); and (iii) on terms that are fair and reasonable and in the interests of the Company and its shareholders as a whole.

VIII. EXTRAORDINARY GENERAL MEETING

Under the Hong Kong Listing Rules, the conduct of purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) by the Company and its subsidiaries from Huaneng Group and its subsidiaries and associates under the Huaneng Group Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement shall require Independent Shareholders' approval. However, pursuant to the SSE Listing Rules, the conduct of all transactions with Huaneng Group (together with its subsidiaries and associates, all being treated as concerted related parties of the Company under the SSE Listing Rules) as set out in this announcement shall require approval by the Independent Shareholders of the Company. The Company proposes to convene an extraordinary general meeting in December 2022 to seek approval from Independent Shareholders on (among others) the conduct of the continuing connected transactions (including the relevant proposed caps) contemplated under the Huaneng Group Framework Agreement, the loan advancement services transaction contemplated under the Supplemental Agreement to Huaneng Finance Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement. Huaneng Group and its associates will abstain from voting on the resolutions, among others, with respect to the conduct of the continuing connected transactions (including the relevant proposed caps) contemplated under the Huaneng Group Framework Agreement, the loan advancement services transaction contemplated under the Supplemental Agreement to Huaneng Finance Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement at such extraordinary general meeting, at which the proposed resolutions will be passed by way of ordinary resolutions and voting will be taken by way of poll in accordance with the requirements of the Hong Kong Listing Rules.

To comply with the requirements of the Hong Kong Listing Rules, the Independent Board Committee of the Company will advise the Independent Shareholders in connection with the transaction regarding purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement, and the transactions contemplated under the Tiancheng Leasing Framework Agreement and will appoint an independent financial adviser to advise the Independent Board Committee and the Independent Shareholders regarding the purchase of fuel and transportation services and accepting the

technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement, and the transactions contemplated under the Tiancheng Leasing Framework Agreement.

According to the requirements of Rules 14A.46(1) and 19A.39A of the Hong Kong Listing Rules and the PRC Company Law, the Company shall despatch a circular containing, among others, further details of the continuing connected transactions for the purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement, a letter from the Independent Board Committee and an opinion of the Independent Financial Advisor to the shareholders as soon as possible but in any event not later than 5 December 2022.

Under the Hong Kong Listing Rules, the Independent Financial Adviser is required to opine only on the continuing connected transactions relating to the purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement, and the transactions contemplated under the Tiancheng Leasing Framework Agreement and, in which case, the Independent Financial Adviser will not provide opinions on the other transactions contemplated under the Huaneng Group Framework Agreement and the Supplemental Agreement to Huaneng Finance Framework Agreement (collectively, the “**Other Transactions**”). Notwithstanding such arrangement, the Company still proposes to include details of the Other Transactions in the circular to be issued so that shareholders of the Company will have a full picture of (among others) all transactions as contemplated under the Huaneng Group Framework Agreement, the Supplemental Agreement to Huaneng Finance Framework Agreement and the Tiancheng Leasing Framework Agreement. The Company believes that on such basis, the Independent Shareholders will be provided with sufficient information so as to make an informed decision in the voting of the relevant proposed resolutions.

IX. DEFINITION

“2022 Huaneng Group Framework Agreement”	the framework agreement on the continuing connected transactions for 2022 between Huaneng Power International, Inc. and China Huaneng Group Co., Ltd. entered into between the Company and Huaneng Group on 3 November 2021
“associate(s)”	has the meaning ascribed to it in the Hong Kong Listing Rules
“Board”	the board of Directors of the Company
“Company”	Huaneng Power International, Inc.

“connected person(s)”	has the meaning ascribed to it in the Hong Kong Listing Rules
“Director(s)”	the director(s) of the Company
“HIPDC”	Huaneng International Power Development Corporation
“Hong Kong Listing Rules”	The Rules Governing the Listing of Securities on the Hong Kong Stock Exchange
“Hua Neng HK”	China Hua Neng Group Hong Kong Limited
“Huaneng Finance”	China Huaneng Finance Corporation Limited
“Huaneng Finance Framework Agreement”	the “framework agreement on the continuing connected transactions (for 2022 to 2024) between Huaneng Power International, Inc. and China Huaneng Finance Corporation Limited” entered into between the Company and Huaneng Finance on 26 October 2021
“Huaneng Group”	China Huaneng Group Co., Ltd.
“Huaneng Group Framework Agreement”	the framework agreement on the continuing connected transactions for 2023 between Huaneng Power International, Inc. and China Huaneng Group Co., Ltd. entered into between the Company and Huaneng Group on 25 October 2022
“IFRS”	International Financial Reporting Standard
“Independent Board Committee”	a committee of the Board established for the purpose of considering the transactions regarding the purchase of fuel and transportation services and accepting the technical services, engineering contracting services and other services (including the respective proposed caps) contemplated under the Huaneng Group Framework Agreement and the transactions contemplated under the Tiancheng Leasing Framework Agreement, comprising independent non-executive Directors who are independent of these transactions
“Independent Shareholders”	shareholders of the Company other than Huaneng Group and its associates
“Lease Interest”	the interest, together with handling fee, if any, under the Tiancheng Leasing Framework Agreement

“Lease Principal”	the maximum daily balance of the principal of the finance lease under the Tiancheng Leasing Framework Agreement
“PBOC”	The People’s Bank of China
“PRC” or “China”	The People’s Republic of China
“RMB”	Renminbi, the lawful currency of the PRC
“SSE Listing Rules”	The Rules Governing the Listing of Securities on the Shanghai Stock Exchange
“Stock Exchange”	The Stock Exchange of Hong Kong Limited
“subsidiary(ies)”	has the meaning ascribed to it in the Hong Kong Listing Rules
“Supplemental Agreement to Huaneng Finance Framework Agreement”	the supplemental agreement to Huaneng Finance Framework Agreement on the continuing connected transactions for 2022 to 2024 between Huaneng Power International, Inc. and China Huaneng Finance Corporation Limited entered into between the Company and Huaneng Finance on 25 October 2022
“Supplemental Agreement to 2022 Huaneng Group Framework Agreement”	the supplemental agreement to Huaneng Framework Agreement on the continuing connected transactions for 2022 between Huaneng Power International, Inc. and China Huaneng Group Co., Ltd. entered into between the Company and Huaneng Group on 18 October 2022
“Tiancheng Leasing”	Huaneng Tiancheng Financial Leasing Co., Ltd.
“Tiancheng Leasing Framework Agreement”	the framework agreement on the continuing connected transactions (for 2023 to 2025) between Huaneng Power International, Inc. and Huaneng Tiancheng Financial Leasing Co., Ltd. entered into between the Company and Tiancheng Leasing on 25 October 2022

By Order of the Board
Huaneng Power International, Inc.
Huang Chaoquan
Company Secretary

As at the date of this announcement, the Directors of the Company are:

Zhao Keyu (*Executive Director*)
Huang Jian (*Non-executive Director*)
Wang Kui (*Non-executive Director*)
Lu Fei (*Non-executive Director*)
Teng Yu (*Non-executive Director*)
Mi Dabin (*Non-executive Director*)
Cheng Heng (*Non-executive Director*)
Li Haifeng (*Non-executive Director*)
Lin Chong (*Non-executive Director*)

Xu Mengzhou (*Independent Non-executive Director*)
Liu Jizhen (*Independent Non-executive Director*)
Xu Haifeng (*Independent Non-executive Director*)
Zhang Xianzhi (*Independent Non-executive Director*)
Xia Qing (*Independent Non-executive Director*)

Beijing, the PRC
26 October 2022