

HUANENG POWER INTERNATIONAL, INC.  
CONSOLIDATED STATEMENT OF FINANCIAL POSITION  
AS AT Dec 31, 2021  
(Amounts expressed in thousands)

|  | <b>As at<br/>December 31, 2021</b> |                   | <b>As at<br/>December 31, 2020</b> |
|--|------------------------------------|-------------------|------------------------------------|
|  | <b>RMB</b>                         | <b>US\$</b>       | <b>RMB</b>                         |
| <b>ASSETS</b>                                |                                    |                   |                                    |
| <b>Non-current assets</b>                    |                                    |                   |                                    |
| Property, plant and equipment                | 320,589,625                        | 50,283,048        | 300,171,142                        |
| Right-of-use assets                          | 19,603,927                         | 3,074,788         | 18,292,074                         |
| Investments in associates and joint ventures | 23,037,904                         | 3,613,392         | 22,375,377                         |
| Investment properties                        | 635,268                            | 99,639            | 647,471                            |
| Other equity instrument investments          | 729,070                            | 114,351           | 664,946                            |
| Power generation license                     | 3,783,756                          | 593,465           | 3,954,983                          |
| Mining rights                                | 1,611,486                          | 252,754           | 1,611,486                          |
| Deferred income tax assets                   | 4,907,081                          | 769,654           | 2,699,395                          |
| Derivative financial assets                  | 69,753                             | 10,940            | 74,554                             |
| Goodwill                                     | 14,276,224                         | 2,239,162         | 14,738,016                         |
| Other non-current assets                     | 19,056,005                         | 2,988,849         | 18,537,583                         |
| <b>Total non-current assets</b>              | <b>408,300,099</b>                 | <b>64,040,042</b> | <b>383,767,027</b>                 |
| <b>Current assets</b>                        |                                    |                   |                                    |
| Inventories                                  | 16,824,431                         | 2,638,837         | 6,602,459                          |
| Other receivables and assets                 | 14,698,932                         | 2,305,462         | 7,308,077                          |
| Accounts and notes receivable                | 43,877,997                         | 6,882,067         | 38,215,715                         |
| Contract assets                              | 66,974                             | 10,505            | 29,678                             |
| Derivative financial assets                  | 652,458                            | 102,335           | 110,179                            |
| Bank balances and cash                       | 16,350,332                         | 2,564,476         | 13,871,523                         |
| <b>Total current assets</b>                  | <b>92,471,124</b>                  | <b>14,503,682</b> | <b>66,137,631</b>                  |
| <b>Total assets</b>                          | <b>500,771,223</b>                 | <b>78,543,724</b> | <b>449,904,658</b>                 |

|   | As at<br>December 31, 2021 |                   | As at<br>December 31, 2020 |
|---|----------------------------|-------------------|----------------------------|
|   | RMB                        | US\$              | RMB                        |
| <b>EQUITY AND LIABILITIES</b>   |                            |                   |                            |
| <b>Capital and reserves attributable to equity holders of the Company</b> |                            |                   |                            |
| Share capital   | 15,698,093                 | 2,462,176         | 15,698,093                 |
| Other equity instruments  | 48,417,977                 | 7,594,143         | 48,419,779                 |
| Capital surplus   | 25,667,502                 | 4,025,833         | 26,162,550                 |
| Surplus reserves  | 8,140,030                  | 1,276,727         | 8,140,030                  |
| Currency translation differences  | (1,443,398)                | (226,391)         | (738,927)                  |
| Retained earnings   | 16,567,610                 | 2,598,555         | 32,164,398                 |
|   | <u>113,047,814</u>         | <u>17,731,043</u> | <u>129,845,923</u>         |
| <b>Non-controlling interests</b>  | <u>20,510,199</u>          | <u>3,216,934</u>  | <u>21,770,275</u>          |
| <b>Total equity</b>   | <u>133,558,013</u>         | <u>20,947,977</u> | <u>151,616,198</u>         |
| <b>Non-current liabilities</b>  |                            |                   |                            |
| Long-term loans   | 136,857,716                | 21,465,521        | 112,077,395                |
| Long-term bonds   | 29,396,919                 | 4,610,775         | 20,382,405                 |
| Lease liabilities   | 6,138,846                  | 962,851           | 3,805,635                  |
| Deferred income tax liabilities   | 2,300,088                  | 360,759           | 3,002,527                  |
| Derivative financial liabilities  | 99,323                     | 15,578            | 188,139                    |
| Other non-current liabilities   | 6,022,017                  | 944,525           | 4,784,268                  |
| <b>Total non-current liabilities</b>                                      | <u>180,814,909</u>         | <u>28,360,009</u> | <u>144,240,369</u>         |
| <b>Current liabilities</b>  |                            |                   |                            |
| Accounts payable and other liabilities                                    | 54,609,553                 | 8,565,264         | 42,755,361                 |
| Contract liabilities  | 3,274,770                  | 513,633           | 2,903,296                  |
| Taxes payable   | 2,053,418                  | 322,069           | 2,044,869                  |
| Dividends payable   | 1,041,452                  | 163,347           | 694,854                    |
| Derivative financial liabilities  | 41,034                     | 6,436             | 106,862                    |
| Short-term bonds  | 8,222,517                  | 1,289,665         | 5,002,877                  |
| Short-term loans  | 91,896,725                 | 14,413,590        | 66,311,160                 |
| Current portion of long-term loans  | 17,213,799                 | 2,699,907         | 19,808,313                 |
| Current portion of long-term bonds  | 7,175,540                  | 1,125,451         | 12,678,511                 |
| Current portion of lease liabilities                                      | 800,521                    | 125,558           | 1,676,711                  |
| Current portion of other non-current liabilities                          | 68,972                     | 10,818            | 65,277                     |
| <b>Total current liabilities</b>  | <u>186,398,301</u>         | <u>29,235,738</u> | <u>154,048,091</u>         |
| <b>Total liabilities</b>  | <u>367,213,210</u>         | <u>57,595,747</u> | <u>298,288,460</u>         |
| <b>Total equity and liabilities</b>                                       | <u>500,771,223</u>         | <u>78,543,724</u> | <u>449,904,658</u>         |

For the convenience of the reader, translation of amounts from Renminbi (RMB) into United States dollars (US\$) has been made at the rate of US\$1.00=RMB6.3757 announced by the People's Bank of China on Dec 31, 2021. No representation is made that Renminbi amounts could have been, or could be, converted into United States dollars at that rate as at Dec 31, 2021, or at any other certain rate.

HUANENG POWER INTERNATIONAL, INC.  
CONSOLIDATED STATEMENT OF COMPREHENSIVE INCOME  
FOR THE TWELVE MONTHS ENDED 31 DEC 2021  
(Amounts expressed in thousands, except per share data)

|  | For the twelve months ended Dec 31, |              |               |
|--|-------------------------------------|--------------|---------------|
|  | 2021                                |              | 2020          |
|  | RMB                                 | US\$         | RMB           |
| <b>Operating revenue</b>   | 204,605,083                         | 32,091,391   | 169,446,338   |
| Tax and levies on operations                                     | (1,686,341)                         | (264,495)    | (1,794,004)   |
| <b>Operating expenses, net</b>                                   |                                     |              |               |
| Fuel   | (146,539,362)                       | (22,984,042) | (88,966,304)  |
| Maintenance  | (4,503,584)                         | (706,367)    | (5,001,982)   |
| Depreciation   | (22,270,421)                        | (3,493,016)  | (22,146,316)  |
| Labor  | (16,107,285)                        | (2,526,356)  | (14,503,290)  |
| Service fees on transmission and transformer facilities of HIPDC | (47,947)                            | (7,520)      | (95,894)      |
| Purchase of electricity  | (9,114,851)                         | (1,429,624)  | (4,720,261)   |
| Others, net  | (11,702,778)                        | (1,835,528)  | (20,300,072)  |
| <b>Total operating expenses</b>                                  | (210,286,228)                       | (32,982,453) | (155,734,119) |
| <b>(Loss)/profit from operations</b>                             | (7,367,486)                         | (1,155,557)  | 11,918,215    |
| Interest income  | 288,291                             | 45,218       | 292,724       |
| <b>Financial expenses, net</b>                                   |                                     |              |               |
| Interest expense   | (8,798,200)                         | (1,379,959)  | (9,200,612)   |
| Exchange (loss)/gain and bank charges, net                       | (40,290)                            | (6,319)      | 100,643       |
| <b>Total financial expenses, net</b>                             | (8,838,490)                         | (1,386,278)  | (9,099,969)   |
| Share of profits and losses of associates and joint ventures     | 804,386                             | 126,164      | 1,774,322     |
| Loss on fair value changes of financial assets/liabilities       | -                                   | -            | (1,566)       |
| Other investment income  | (7,345)                             | (1,152)      | (109,990)     |
| <b>(Loss)/profit before income tax expense</b>                   | (15,120,644)                        | (2,371,605)  | 4,773,736     |
| Income tax expense   | 1,929,755                           | 302,673      | (2,163,173)   |
| <b>Net (loss)/profit</b>   | (13,190,889)                        | (2,068,932)  | 2,610,563     |

|  | <b>For the twelve months ended Dec 31,</b> |                    |                  |
|--|--|--------------------|------------------|
|  | <b>2021</b>                                |                    | <b>2020</b>      |
|  | <b>RMB</b>                                 | <b>US\$</b>        | <b>RMB</b>       |
| <b>(LOSS)/PROFIT FOR THE PERIOD</b>  | <b>(13,190,889)</b>                        | <b>(2,068,932)</b> | <b>2,610,563</b> |
| <b>Other comprehensive loss, net of tax</b>  |  |                    |                  |
| <i>Items that will not be reclassified to profit or loss:</i>  |  |                    |                  |
| Fair value changes of other equity instrument investments  | (46,808)                                   | (7,342)            | (175,984)        |
| Share of other comprehensive loss of joint ventures and associates   | (42,863)                                   | (6,723)            | (178,501)        |
| Income tax effect  | 12,231                                     | 1,918              | 43,996           |
| <i>Items that may be reclassified subsequently to profit or loss:</i>  |  |                    |                  |
| Share of other comprehensive loss of joint ventures and associates   | (1,441)                                    | (226)              | (4,348)          |
| Cash flow hedges:  |  |                    |                  |
| Effective portion of changes in fair value of hedging instruments arising during the year                                | 1,235,874                                  | 193,841            | (166,323)        |
| Reclassification adjustments for (losses)/gains included in the consolidated statement of profit or loss                 | (624,876)                                  | (98,009)           | 414,821          |
| Exchange differences on translation of foreign operations  | (989,932)                                  | (155,265)          | (862,454)        |
| Income tax effect  | (103,870)                                  | (16,292)           | (42,245)         |
| Other comprehensive loss, net of tax   | (561,685)                                  | (88,098)           | (971,038)        |
| <b>Total comprehensive (loss)/income</b>   | <b>(13,752,574)</b>                        | <b>(2,157,030)</b> | <b>1,639,525</b> |
| <b>Net (loss)/income attributable to:</b>  |  |                    |                  |
| – Equity holders of the Company  | (10,636,194)                               | (1,668,240)        | 2,377,851        |
| – Non-controlling interests  | (2,554,695)                                | (400,692)          | 232,712          |
| <b>Total comprehensive (loss)/income attributable to:</b>  |  |                    |                  |
| – Equity holders of the Company  | (10,933,871)                               | (1,714,929)        | 1,599,471        |
| – Non-controlling interests  | (2,818,703)                                | (442,101)          | 40,054           |
| <b>(Losses)/earnings per share attributable to the ordinary shareholders of the Company (expressed in RMB per share)</b> |  |                    |                  |
| – Basic and diluted  | (0.81)                                     | (0.13)             | 0.04             |

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