# **B.Grimm Power**

# **BGRIM**

B.Grimm Power
Public Company Limited

Bloomberg Reuters BGRIM TB BGRIM.BK



# 1Q23: Slightly above expectation

BGRIM's earnings turnaround beat market expectations slightly with net profit of Bt399mn on a higher tariff for electricity sales to industrial users, a more stable gas price QoQ and higher efficiency of new power plants under the SPP Replacement scheme. Lower losses from non-recurring items (FX and asset impairment) backed better earnings QoQ. Normalized net profit was reported at Bt379mn, surging >100% YoY and QoQ as EBITDA margin improved to 21% from 15% in 1Q22 and 18% in 4Q22. We expect an earnings turnaround in 2023F. TP is maintained at Bt48/share, based on DCF valuation. Neutral.

**Electricity sales to IUs up QoQ from low season in 4Q22.** BGRIM sales to IU (industrial users) of electricity and steam rose 5.6% and 38.4% QoQ, respectively after the 4Q22 low season and planned maintenance shutdowns by customers. Together with higher electricity tariff rate after Ft was raised, revenue from the IU segment grew 32.8% YoY and 14.3% QoQ. BGRIM added sales of 12.2MW to new customers hooked into BGRIM's grid from the total new PPAs of 34.4MW. However, lower demand from auto parts, packaging and industrial gas customers as they relocated eroded sales volume YoY (3% for electricity and 18% for steam).

Gas cost up QoQ but at a much slower pace. Gas cost for SPPs edged up 0.4% QoQ to Bt483/mmbtu, still far lower than peak in 3Q22 at Bt558/mmbtu and was 9% higher YoY on higher pooled gas price. This was offset by a rise in electricity tariff for IU customers of 43% YoY and 12% QoQ to Bt4.96/kWh after Ft was raised to Bt1.5492/kWh for Jan-Apr 2023 from Bt0.9343/kWh the previous period. This was offset by a 16% QoQ fall in steam price, though still up 45% YoY, of Bt1,550/t. The five new power plants under the SPP Replacement Scheme helped save energy cost via more efficient equipment. Adding this to the continuous efficiency improvement program, brought heat rate down 4.6% more, reducing overall gas consumption. This boosted EBITDA margin to 21% in 1Q23 from 18% in 4Q22.

Revenue from renewable power hit by low hydropower season. Renewable power sales revenue (6% of total electricity sales) fell 11% QoQ on low season for hydropower (-32% QoQ), though still up 17% YoY on better demand and lower curtailment for its solar business in Vietnam. BGRIM plans to increase capacity of renewable energy to 50% in 2030 from 25% in 2022, a challenging target of >4GW additional capacity over the next eight years, >60% in new capacity in the period.

**Profit to continue to improve in 2Q23F on lower gas cost.** Average gas cost is expected to fall further to Bt400-450/mmbtu vs. Bt483/mmbtu in 1Q23, offsetting the drop in Ft rate for May-Aug 2023 to Bt0.9119/kWh. We expect earnings to turn around to a net profit of Bt2.7bn this year. The five new SPP plants under the SPP Replacement scheme will support via 15% energy consumption savings. Further, more power projects will start up in 2023: U-Tapao hybrid solar (18MW plus 50MWh energy storage system) and two SPPs in Angthong (196 MW attributable).

**Key risks.** Higher than expected gas cost and delayed adjustment of Ft rate to catch up with fuel cost.

#### Forecasts and valuation

| Year to 31 Dec    | Unit   | 2021   | 2022    | 2023F   | 2024F  | 2025F  |
|-------------------|--------|--------|---------|---------|--------|--------|
| Revenue           | (Btmn) | 46,628 | 62,395  | 66,109  | 69,441 | 66,726 |
| EBITDA            | (Btmn) | 12,422 | 10,311  | 14,020  | 15,952 | 16,918 |
| Core profit       | (Btmn) | 1,520  | 72      | 2,723   | 3,961  | 4,722  |
| Reported profit   | (Btmn) | 2,276  | (1,244) | 2,723   | 3,961  | 4,722  |
| Core EPS          | (Bt)   | 0.58   | 0.03    | 1.04    | 1.52   | 1.81   |
| DPS               | (Bt)   | 0.42   | 0.07    | 0.50    | 0.80   | 0.90   |
| P/E, core         | (x)    | 63.5   | 1,343.6 | 35.4    | 24.4   | 20.4   |
| EPS growth, core  | (%)    | (39.4) | (95.3)  | 3,693.1 | 45.5   | 19.2   |
| P/BV, core        | (x)    | 3.3    | 3.2     | 3.0     | 2.8    | 2.6    |
| ROE               | (%)    | 3.8    | 0.2     | 6.2     | 8.2    | 8.8    |
| Dividend yield    | (%)    | 1.1    | 0.2     | 1.4     | 2.2    | 2.4    |
| FCF yield         | (x)    | (5.4)  | (10.6)  | 2.8     | 7.6    | 9.1    |
| EV/EBIT           | (x)    | 27.9   | 42.5    | 24.2    | 19.2   | 16.8   |
| EBIT growth, core | (%)    | (3.5)  | (26.9)  | 70.3    | 22.2   | 9.4    |
| EV/CE             | (x)    | 2.3    | 2.3     | 2.2     | 2.2    | 2.2    |
| ROCE              | (%)    | 7.1    | 4.8     | 8.1     | 10.5   | 11.7   |
| EV/EBITDA         | (x)    | 16.4   | 21.9    | 15.7    | 13.3   | 12.0   |
| EBITDA growth     | (%)    | (4.7)  | (17.0)  | 36.0    | 13.8   | 6.1    |

### **Tactical: NEUTRAL**

#### (3-month)

| Stock data               |       |
|--------------------------|-------|
| Last close (May 15) (Bt) | 37.00 |
| Target price (Bt)        | 48.00 |
| Mkt cap (Btbn)           | 96.46 |
| Mkt cap (US\$mn)         | 2,857 |
|                          |       |

| Beta                       | L         |
|----------------------------|-----------|
| Mkt cap (%) SET            | 0.51      |
| Sector % SET               | 20.03     |
| Shares issued (mn)         | 2,607     |
| Par value (Bt)             | 2.00      |
| 12-m high / low (Bt)       | 42.8 / 30 |
| Avg. daily 6m (US\$mn)     | 10.60     |
| Foreign limit / actual (%) | 49 / 40   |
| Free float (%)             | 31.3      |
| Dividend policy (%)        | ≥ 40      |
|                            |           |

### 2022 Sustainability / 2021 ESG Score

Sustainability Index (THSI) Not Included

| ESG Bloomberg Score | 68.87 |
|---------------------|-------|
| Environmental Score | 69.56 |
| Social Score        | 43.32 |
| Governance Score    | 93.62 |

Source: Bloomberg Finance L.P.

| Share performance |       |       |      |  |  |  |  |  |
|-------------------|-------|-------|------|--|--|--|--|--|
| (%)               | 1M    | 3M    | 12M  |  |  |  |  |  |
| Absolute          | (7.5) | (9.2) | 14.7 |  |  |  |  |  |
| Relative to SET   | (4.0) | (2.3) | 17.9 |  |  |  |  |  |

Source: SET, InnovestX Research

#### Analyst

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THSI Yes

#### **ESG Disclosure Score**

| Bloomberg ESG Score | 68.87 (2021) | ,            |  | DJSI | SETTHSI |  |  |
|---------------------|--------------|--------------|--|------|---------|--|--|
| Rank in Sector      | 9/67         | BGRIM        | 5  | No   | Yes     |  |  |
|                     |              | Source: Thai | Source: Thai Institute of Directors (IOD), SET |      |         |  |  |

### Environmental Issue (E)

- BGRIM actively looks for technologies to help it reach its net-zero carbon emissions goal by 2050 without compromising the reliability of its electricity and other utilities.
- In 2021, BGRIM reduced GHG Emission Intensity by 6.8% YoY to 0.38tCO2e/MWh with renewable energy production capacity increasing 347% YoY to 737MW. BGRIM will continue to invest in renewable energy with a goal of reaching the capacity of no less than 1GW between by 2025.
- The 5 SPP replacement projects will continue to increase its energy efficiency and reducing the consumption of natural gas per unit by 10-15%.
- BGRIM was also able to reduce reliance on raw water from 58% of total consumed water in 2020 to only 18% in 2021. It also reduced waste produced by 22% from 2020 and was able to reuse, recycle or sell 87% of all the waste it generated.

### Social Issue (S)

- BGRIM is working toward its target of "no lost-time injuries" but in 2021 it did report a work-related injuries rate of 1.14 (persons injured at work per 1mn hours worked) with zero fatality rate.
- BGRIM's social and community development projects fall into six categories: education, livelihood, culture, spirituality, sports and the environment. It continues to sponsor several educational and recreational programs in local communities while minimizing the environmental impact on the surrounding areas of its power plants to ensure quality of life.
- BGRIM has focused on forestation and forest conservation projects in collaboration with community members and local students for the past 12 years in various locations.

### Governance Issue (G)

- BGRIM's board of directors consists of 10 directors, 10 non-executive directors (90.91% of the entire board), 5 independent directors (50% of the entire board), and an executive director. This includes five female members (50% of the entire board), among the highest in energy companies in Thailand.
- BGRIM has been rated "Excellent" (5 stars) by the Thai Institute of Directors in 2022.
- We view the company's social and governance practices as conforming to general industry standards.

| ESG Disclosure Score                       |           |           |
|--|-----------|-----------|
|  | 2020      | 2021      |
| ESG Disclosure Score                       | 66.49     | 68.87     |
| Environment                                | 63.03     | 69.56     |
| Emissions Reduction Initiatives            | Yes       | Yes       |
| Climate Change Policy                      | Yes       | Yes       |
| GHG Scope 1                                | 5,395.59  | 5,582.08  |
| Biodiversity Policy                        | Yes       | Yes       |
| Energy Efficiency Policy                   | Yes       | Yes       |
| Total Energy Consumption                   | 16,305.80 | 17,410.80 |
|  |           |           |
| Social                                     | 49.00     | 43.32     |
| Human Rights Policy                        | Yes       | Yes       |
| Equal Opportunity Policy                   | Yes       | Yes       |
| Health and Safety Policy                   | Yes       | Yes       |
| Fatalities - Employees                     | 0.00      | 0.00      |
| Total Recordable Incident Rate - Employees | 0.00      | _         |
| Employee Turnover Pct                      | 3.25      | 5.00      |
|  |           |           |
| Governance                                 | 87.36     | 93.62     |
| Size of the Board                          | 9         | 10        |
| Number of Board Meetings for the Year      | 15        | 13        |
| Board Meeting Attendance Pct               | 98        | 98        |
| Number of Female Executives                | 3         | 2         |
| Number of Independent Directors            | 6         | 6         |
| Board Duration (Years)                     | 3         | 3         |
| Source: Bloombera Finance L.P.             |           | ·         |

ource: Bloomberg Finance L.P.

#### Disclaimer

Bloomberg ESG Disclosure Scores rate companies on their level of disclosure of ESG data. Bloomberg offers four disclosure scores, for overall ESG, as well as Environmental, Social, and Governance such as energy consumption, board composition, and workforce accidents.

Company ESG reporting has evolved since our ESG Disclosure Score was originally created in 2010. In order to reflect the evolution in corporate reporting, in early 2022 Bloomberg updated its ESG disclosure scores methodology. The methodology changes were implemented for all years of data for all companies in the ESG Coverage universe.

To review the fully transparent methodology, calculate disclosure scores for any company, and compare a company's scores vs its peers, see ESG Disclosure Score Model in Bloomberg.

Tue, May 16, 2023 2



### **Financial statement**

| FY December 31  | Unit             | 2018    | 2019                      | 2020                       | 2021                         | 2022               | 2023F               | 2024F             | 2025   |
|---|------------------|---------|---------------------------|----------------------------|------------------------------|--------------------|---------------------|-------------------|--------|
| Total revenue   | (Btmn)           | 36,585  | 44,132                    | 44,087                     | 46,628                       | 62,395             | 66,109              | 69,441            | 66,72  |
| Cost of goods sold  | (Btmn)           | 29,079  | 35,637                    | 34,753                     | 37,861                       | 56,067             | 55,481              | 56,529            | 52,97  |
| Gross profit  | (Btmn)           | 7,506   | 8,495                     | 9,334                      | 8,768                        | 6,329              | 10,628              | 12,912            | 13,75  |
| SG&A  | (Btmn)           | 1,409   | 1,865                     | 2,039                      | 1,673                        | 1,857              | 1,983               | 2,083             | 2,00   |
| Other income  | (Btmn)           | 460     | 289                       | 251                        | 188                          | 852                | 423                 | 253               | 37     |
| Interest expense  | (Btmn)           | 2,928   | 2,630                     | 3,186                      | 4,293                        | 4,778              | 4,343               | 4,129             | 3,73   |
| Pre-tax profit  | (Btmn)           | 3,629   | 4,290                     | 4,360                      | 2,989                        | 546                | 4,725               | 6,952             | 8,38   |
| Corporate tax   | (Btmn)           | 177     | 235                       | 233                        | 298                          | (44)               | 270                 | 398               | 56     |
| Equity a/c profits  | (Btmn)           | 182     | 101                       | 58                         | 44                           | (172)              | 46                  | 47                | 4      |
| Minority interests  | (Btmn)           | (1,113) | (1,646)                   | (1,581)                    | (1,141)                      | (346)              | (1,778)             | (2,641)           | (3,148 |
| Core profit   | (Btmn)           | 1,868   | 2,194                     | 2,509                      | 1,520                        | 72                 | 2,723               | 3,961             | 4,72   |
| Extra-ordinary items  | (Btmn)           | (6)     | 138                       | (334)                      | 756                          | (1,316)            | 0                   | 0                 | (      |
| Net Profit  | (Btmn)           | 1,863   | 2,331                     | 2,175                      | 2,276                        | (1,244)            | 2,723               | 3,961             | 4,72   |
| EBITDA  | (Btmn)           | 9,898   | 11,580                    | 13,040                     | 12,422                       | 10,311             | 14,020              | 15,952            | 16,918 |
| Core EPS  | (Btmn)           | 0.72    | 0.84                      | 0.96                       | 0.58                         | 0.03               | 1.04                | 1.52              | 1.8    |
| Net EPS   | (Bt)             | 0.71    | 0.89                      | 0.83                       | 0.87                         | (0.48)             | 1.04                | 1.52              | 1.8    |
| DPS   | (Bt)             | 0.32    | 0.37                      | 0.45                       | 0.42                         | 0.07               | 0.50                | 0.80              | 0.90   |
| Total fixed assets  | (Btmn)           | 76,814  | 88,200                    | 100,817                    | 108,139                      | 121,847            | 121,518             | 117,670           | 113,90 |
| Total current assets  | (Btmn)           | 23,822  | 33,493                    | 29,879                     | 41,058                       | 48,803<br>121,847  | 34,017<br>121 518   | 41,397<br>117,670 | 50,05  |
| Total assets  | (Btmn)           | 100,636 | 121,693                   | 130,696                    | 149,198                      | 170,651            | 155,535             | 159,068           | 163,95 |
| Total loans   | (Btmn)           | 94,170  | 92,537                    | 107,223                    | 133,914                      | 160,443            | 138,349             | 138,249           | 138,04 |
| Total current liabilities   | (Btmn)           | 8,189   | 25,832                    | 26,993                     | 12,724                       | 19,624             | 12,254              | 11,402            | 12,20  |
| Total long-term liabilities   | (Btmn)           | 64,708  | 57,184                    | 64,399                     | 95,658                       | 108,859            | 97,235              | 96,635            | 95,03  |
| Total liabilities   | (Btmn)           | 72,897  | 83,016                    | 91,392                     | 108,382                      | 128,483            | 109,490             | 108,037           | 107,24 |
| Paid-up capital   | (Btmn)           | 5,214   | 5,214                     | 5,214                      | 5,214                        | 5,214              | 5,214               | 5,214             | 5,21   |
| Total equity  | (Btmn)           | 27,739  | 38,677                    | 39,304                     | 40,816                       | 42,168             | 46,045              | 51,030            | 56,71  |
| BVPS  | (Bt)             | 7.39    | 10.80                     | 10.54                      | 11.31                        | 11.40              | 12.21               | 13.11             | 14.08  |
| Cash Flow Statement   |                  |         |                           |                            |                              |                    |                     |                   |        |
| FY December 31  | Unit             | 2018    | 2019                      | 2020                       | 2021                         | 2022               | 2023F               | 2024F             | 2025   |
|   | (Btmn)           | 1,868   | 2,194                     | 2,509                      | 1,520                        | 72                 | 2,723               | 3,961             | 4,72   |
|   | , ,              | 3,341   | 4,660                     | 5,494                      | 5,139                        | 4,987              | 4,952               | 4,871             | 4,79   |
| Core Profit   | (Btmn)           |         | .,                        | -,                         |                              | 7,802              | 7,316               | 8,359             | 9,78   |
| Core Profit<br>Depreciation and amortization                        | (Btmn)<br>(Btmn) |         | 9.593                     | 6.826                      | 10.11.5                      |                    |                     | 0.0.09            |        |
| Core Profit<br>Depreciation and amortization<br>Operating cash flow | (Btmn)           | 7,614   | 9,593<br>(6.902)          | 6,826<br>(16.639)          | 10,113<br>(15.326)           | •                  |                     | •                 |        |
| Core Profit   | , ,              |         | 9,593<br>(6,902)<br>5,910 | 6,826<br>(16,639)<br>7,762 | 10,113<br>(15,326)<br>11,809 | (18,054)<br>13,452 | (4,623)<br>(18,185) | (1,023)<br>(476)  | (1,024 |

|  | Key | Financial | Ratios |
|--|-----|-----------|--------|
|--|-----|-----------|--------|

| FY December 31        | Unit | 2018 | 2019 | 2020 | 2021 | 2022   | 2023F | 2024F | 2025F |
|-----------------------|------|------|------|------|------|--------|-------|-------|-------|
| Gross margin          | (%)  | 20.5 | 19.2 | 21.2 | 18.8 | 10.1   | 16.1  | 18.6  | 20.6  |
| Operating margin      | (%)  | 16.7 | 15.0 | 16.5 | 15.2 | 7.2    | 13.1  | 15.6  | 17.6  |
| EBITDA margin         | (%)  | 27.1 | 26.2 | 29.6 | 26.6 | 16.5   | 21.2  | 23.0  | 25.4  |
| EBIT margin           | (%)  | 17.9 | 15.7 | 17.1 | 15.6 | 8.5    | 13.7  | 16.0  | 18.2  |
| Net profit margin     | (%)  | 5.1  | 5.3  | 4.9  | 4.9  | (2.0)  | 4.1   | 5.7   | 7.1   |
| ROE                   | (%)  | 7.0  | 6.6  | 6.4  | 3.8  | 0.2    | 6.2   | 8.2   | 8.8   |
| ROA                   | (%)  | 2.0  | 2.0  | 2.0  | 1.1  | 0.0    | 1.7   | 2.5   | 2.9   |
| Net D/E               | (x)  | 2.2  | 1.4  | 1.7  | 2.0  | 2.4    | 2.0   | 1.7   | 1.4   |
| Interest coverage     | (x)  | 3.4  | 4.4  | 4.1  | 2.9  | 2.2    | 3.2   | 3.9   | 4.5   |
| Debt service coverage | (x)  | 2.0  | 1.2  | 0.5  | 1.2  | 0.7    | 1.8   | 2.5   | 2.4   |
| Payout Ratio          | (%)  | 44.8 | 41.4 | 53.9 | 48.1 | (13.6) | 47.9  | 52.7  | 49.7  |

| Main | Assum | ntions |
|------|-------|--------|
|      |       |        |

| FY December 31                     | Unit       | 2018  | 2019  | 2020  | 2021  | 2022  | 2023F | 2024F | 2025F |
|------------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Electricity sales - EGAT           | (GWh)      | 7,702 | 9,100 | 9,714 | 9,701 | 8,888 | 8,285 | 8,308 | 8,285 |
| Electricity sales - IU (Thailand)  | (GWh)      | 3,057 | 3,084 | 2,821 | 3,314 | 3,384 | 3,973 | 4,375 | 4,787 |
| Steam sales - IU (Thailand)        | (kt)       | 501   | 855   | 907   | 989   | 754   | 1,083 | 1,086 | 1,083 |
| Electricity tariff - IU (Thailand) | (Bt/KWh)   | 3.28  | 3.30  | 3.29  | 3.25  | 3.82  | 4.50  | 4.34  | 4.06  |
| Steam price - IU (Thailand)        | (Bt/KWh)   | 1,106 | 1,084 | 986   | 808   | 1,360 | 1,319 | 1,221 | 1,113 |
| Effective gas cost                 | (Bt/MMBTU) | 259   | 273   | 244   | 266   | 476   | 433   | 407   | 376   |



### Financial statement

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| FY December 31       | Unit   | 2Q21   | 3Q21   | 4Q21   | 1Q22   | 2Q22   | 3Q22   | 4Q22    | 1Q23   |
|----------------------|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Total revenue        | (Btmn) | 11,475 | 11,714 | 12,903 | 14,758 | 14,676 | 18,383 | 14,579  | 15,750 |
| Cost of goods sold   | (Btmn) | 8,885  | 9,584  | 11,265 | 13,458 | 12,983 | 16,723 | 12,903  | 13,401 |
| Gross profit         | (Btmn) | 2,590  | 2,130  | 1,639  | 1,300  | 1,693  | 1,660  | 1,676   | 2,349  |
| SG&A                 | (Btmn) | 409    | 413    | 431    | 383    | 453    | 461    | 560     | 537    |
| Other income         | (Btmn) | 45     | 57     | 58     | 51     | 66     | 624    | 111     | 119    |
| Interest expense     | (Btmn) | 945    | 1,227  | 784    | 860    | 1,670  | 2,178  | 70      | 1,064  |
| Pre-tax profit       | (Btmn) | 1,280  | 547    | 482    | 109    | (365)  | (355)  | 1,157   | 867    |
| Corporate tax        | (Btmn) | 128    | 55     | 6      | 29     | 2      | 116    | (190)   | 62     |
| Equity a/c profits   | (Btmn) | (9)    | 14     | (11)   | (3)    | (20)   | (250)  | 101     | 64     |
| Minority interests   | (Btmn) | (449)  | (158)  | (297)  | (67)   | (44)   | 121    | (356)   | (409)  |
| Core profit          | (Btmn) | 695    | 348    | 168    | 9      | (430)  | (599)  | 1,092   | 460    |
| Extra-ordinary items | (Btmn) | 327    | 100    | 27     | 14     | 237    | 70     | (1,637) | (61)   |
| Net Profit           | (Btmn) | 1,022  | 447    | 195    | 23     | (193)  | (529)  | (545)   | 399    |
| EBITDA               | (Btmn) | 3,533  | 3,065  | 2,506  | 2,176  | 2,536  | 3,119  | 2,480   | 1,931  |
| Core EPS             | (Btmn) | 0.27   | 0.13   | 0.06   | 0.00   | (0.17) | (0.23) | 0.42    | 0.18   |
| Net EPS              | (Bt)   | 0.39   | 0.17   | 0.07   | 0.01   | (0.07) | (0.20) | (0.21)  | 0.15   |
|                      |        |        |        |        |        |        |        |         |        |

### **Balance Sheet**

| FY December 31              | Unit   | 2Q21    | 3Q21    | 4Q21    | 1Q22    | 2Q22    | 3Q22    | 4Q22    | 1Q23    |
|-----------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Total current assets        | (Btmn) | 34,489  | 38,854  | 41,058  | 39,268  | 50,658  | 53,446  | 48,803  | 58,500  |
| Total fixed assets          | (Btmn) | 104,658 | 103,658 | 108,139 | 113,130 | 117,831 | 121,315 | 121,847 | 121,743 |
| Total assets                | (Btmn) | 139,147 | 142,512 | 149,198 | 152,398 | 168,489 | 174,761 | 170,651 | 180,243 |
| Total loans                 | (Btmn) | 84,703  | 88,517  | 95,693  | 96,633  | 112,720 | 115,567 | 114,410 | 114,988 |
| Total current liabilities   | (Btmn) | 24,116  | 15,251  | 12,724  | 13,180  | 15,128  | 17,736  | 19,624  | 20,386  |
| Total long-term liabilities | (Btmn) | 73,960  | 87,043  | 95,658  | 96,753  | 110,041 | 113,201 | 108,859 | 109,490 |
| Total liabilities           | (Btmn) | 98,077  | 102,295 | 108,382 | 109,933 | 125,169 | 130,937 | 128,483 | 129,875 |
| Paid-up capital             | (Btmn) | 5,214   | 5,214   | 5,214   | 5,214   | 5,214   | 5,214   | 5,214   | 5,214   |
| Total equity                | (Btmn) | 41,070  | 40,217  | 40,816  | 42,465  | 43,320  | 43,824  | 42,168  | 50,367  |
| BVPS                        | (Bt)   | 11.04   | 11.28   | 11.31   | 11.75   | 11.90   | 12.09   | 11.40   | 14.44   |

### **Cash Flow Statement**

| FY December 31                | Unit   | 2Q21    | 3Q21    | 4Q21    | 1Q22    | 2Q22    | 3Q22    | 4Q22    | 1Q23    |
|-------------------------------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Core Profit                   | (Btmn) | 695     | 348     | 168     | 9       | (430)   | (599)   | 1,092   | 460     |
| Depreciation and amortization | (Btmn) | 1,307   | 1,291   | 1,240   | 1,207   | 1,231   | 1,296   | 1,253   | 0       |
| Operating cash flow           | (Btmn) | 1,403   | 3,006   | 1,202   | 3,315   | 73      | 1,287   | 3,127   | 5,526   |
| Investing cash flow           | (Btmn) | (2,664) | (3,482) | (6,948) | (3,317) | (3,068) | (4,109) | (7,561) | (3,809) |
| Financing cash flow           | (Btmn) | 2,686   | 4,325   | 5,567   | 343     | 12,595  | 787     | (273)   | 8,177   |
| Net cash flow                 | (Btmn) | 1,425   | 3,850   | (178)   | 341     | 9,600   | (2,034) | (4,707) | 9,894   |

### **Key Financial Ratios**

| FY December 31        | Unit | 2Q21 | 3Q21 | 4Q21 | 1Q22 | 2Q22  | 3Q22  | 4Q22  | 1Q23 |
|-----------------------|------|------|------|------|------|-------|-------|-------|------|
| Gross margin          | (%)  | 22.6 | 18.2 | 12.7 | 8.8  | 11.5  | 9.0   | 11.5  | 14.9 |
| Operating margin      | (%)  | 19.0 | 14.7 | 9.4  | 6.2  | 8.4   | 6.5   | 7.7   | 11.5 |
| EBITDA margin         | (%)  | 30.8 | 26.2 | 19.4 | 14.7 | 17.3  | 17.0  | 17.0  | 12.3 |
| EBIT margin           | (%)  | 19.4 | 15.1 | 9.8  | 6.6  | 8.9   | 9.9   | 8.4   | 12.3 |
| Net profit margin     | (%)  | 8.9  | 3.8  | 1.5  | 0.2  | (1.3) | (2.9) | (3.7) | 2.5  |
| ROE                   | (%)  | 6.8  | 3.4  | 1.7  | 0.1  | (4.0) | (5.5) | 10.2  | 4.0  |
| ROA                   | (%)  | 2.0  | 1.0  | 0.5  | 0.0  | (1.1) | (1.4) | 2.5   | 1.0  |
| Net D/E               | (x)  | 1.5  | 1.5  | 1.7  | 1.7  | 1.8   | 1.9   | 2.0   | 1.5  |
| Interest coverage     | (x)  | 3.7  | 2.5  | 3.2  | 2.5  | 1.5   | 1.4   | 35.6  | 1.8  |
| Debt service coverage | (x)  | 0.7  | 1.0  | 1.0  | 1.0  | 0.7   | 0.8   | 0.9   | 0.5  |
|                       |      |      |      |      |      |       |       |       |      |

### **Key Statistics**

| rieg etatieries                    |             |       |       |       |       |       |       |       |       |
|------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|
| FY December 31                     | Unit        | 2Q21  | 3Q21  | 4Q21  | 1Q22  | 2Q22  | 3Q22  | 4Q22  | 1Q23  |
| Electricity sales - EGAT           | (GWh)       | 2,516 | 2,445 | 2,439 | 2,212 | 2,296 | 2,396 | 1,985 | 2,116 |
| Electricity sales - IU (Thailand)  | (GWh)       | 831   | 844   | 825   | 871   | 857   | 853   | 803   | 848   |
| Steam sales - IU (Thailand)        | ('000 tons) | 240   | 284   | 217   | 238   | 192   | 183   | 141   | 195   |
| Electricity tariff - IU (Thailand) | (Bt/KWh)    | 3.23  | 3.27  | 3.28  | 3.46  | 3.55  | 3.89  | 4.44  | 4.96  |
| Steam price - IU (Thailand)        | (Bt/ton)    | 786   | 734   | 929   | 1,070 | 1,332 | 1,403 | 1,836 | 1,550 |
| Effective gas cost                 | (Bt/mmbtu)  | 239   | 268   | 335   | 442   | 422   | 558   | 481   | 483   |



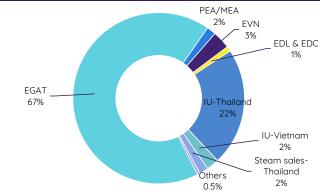
Figure 1: BGRIM - 1Q23 earnings review

|                           | 1Q22    | 4Q22    | 1Q23    | %YoY    | %QoQ   |
|---------------------------|---------|---------|---------|---------|--------|
| P&L (Bt, mn)              |         |         |         |         |        |
| Total revenue             | 14,758  | 14,579  | 15,750  | 6.7     | 8.0    |
| Gross profit              | 1,300   | 1,676   | 2,349   | 80.7    | 40.2   |
| EBITDA                    | 2,176   | 2,480   | 1,931   | (11.2)  | (22.1) |
| Profit before extra items | 9       | 1,092   | 460     | 4,787.5 | (57.9) |
| Net Profit                | 23      | (545)   | 399     | 1,611.9 | n.a.   |
| EPS (Bt)                  | 0.01    | (0.21)  | 0.15    | 1,611.9 | n.a.   |
| B/S (Bt, mn)              |         |         |         |         |        |
| Total assets              | 152,398 | 170,651 | 180,243 | 18.3    | 5.6    |
| Total liabilities         | 109,933 | 128,483 | 129,875 | 18.1    | 1.1    |
| Total equity              | 42,465  | 42,168  | 50,367  | 18.6    | 19.4   |
| BVPS (Bt)                 | 11.75   | 11.40   | 14.44   | 22.9    | 26.6   |
| Financial ratio (%)       |         |         |         |         |        |
| Gross margin (%)          | 8.8     | 11.5    | 14.9    | 6.1     | 3.4    |
| EBITDA margin (%)         | 14.7    | 17.0    | 12.3    | (2.5)   | (4.7)  |
| Net profit margin (%)     | 0.2     | (3.7)   | 2.5     | 2.4     | 6.3    |
| ROA (%)                   | 0.0     | 2.5     | 1.0     | 1.0     | (1.5)  |
| ROE (%)                   | 0.1     | 10.2    | 4.0     | 3.9     | (6.2)  |
| D/E (X)                   | 2.6     | 3.0     | 2.6     | (1.0)   | (46.8) |

Source: BGRIM and InnovestX Research

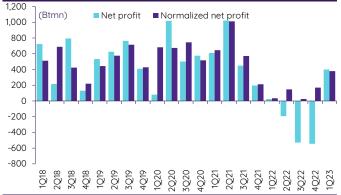
### **Appendix**

Figure 2: Revenue breakdown (LTM-1Q23)



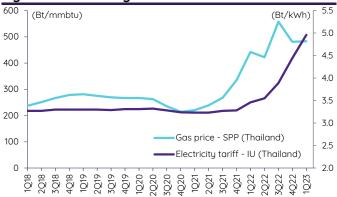
Source: BGRIM and InnovestX Research

Figure 4: Quarterly net profit



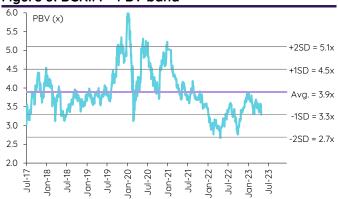
Source: BGRIM and InnovestX Research

Figure 3: Effective gas cost vs. tariff to IU



Source: BGRIM and InnovestX Research

Figure 5: BGRIM - PBV band



Source: InnovestX Research



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