B.Grimm Power

B.Grimm Power Public Company Limited

Mon, Aug 15, 2022

BGRIM

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2Q22: High gas cost continued to hit profit

BGRIM turned in a loss of Bt193mn in 2Q22 on an unrealized FX loss of Bt541mn, partially caused by higher finance cost. Normalized net profit increased 332% QoQ to Bt147mn due to higher Ft rate, more sales volume to IUs and a slight decline in gas price, though fell 86% YoY on higher fuel cost and slower increase in Ft rate. Profit contribution from small hydropower plants in Laos increased sharply on abundant water flow. We expect normalized net profit to rise further in 2H22 if Ft rate is lifted by Bt0.6866/kWh for Sep-Dec 2022, which would raise Ft rate to Bt0.9343/kWh. The key risk is higher gas price that could rise to >Bt500/mmbtu vs. Bt432/mmbtu in 1H22. Weak profit in 1H22 led to a 53% cut in our 2022F net profit. We also cut our DCF-based TP from Bt55 to Bt50/share. Maintain Neutral.

Sales to IUs down QoQ despite new PPAs. Electricity sales volume of conventional power plants fell 6% YoY but rose 2.5% QoQ on lower sales to EGAT (-8.7% YoY), though rose 3.8% QoQ. Electricity sales to industrial users (IUs), 26% of total sales for conventional power plants, grew 3% YoY but slid 2% QoQ on lower demand from existing customers although it was able to synchronize its grid system with new customers adding >9MW in PPAs, giving cumulative contracted MW of 32MW in 1H22 from 2022 target of >55MW.

High gas price depressed profit. Gas cost for SPPs surged 77% YoY to Bt422/mmbtu in 2Q22 but slid slightly QoQ on lower proportion of imported LNG in PTT's gas pooled price. Although electricity tariff for IU customers was raised 10% YoY 3% QoQ to Bt3.55/kWh, it lags far behind the rise in energy cost. This was partly offset by a 69% YoY and 24.5% QoQ rise in steam price. Revenue from steam sales accounted for <2% of total sales revenue.

Better hydropower profit boosted renewables. Renewable power sales revenue (7% of total electricity sales) was driven by higher hydropower electricity generation (+44% YoY and +140% QoQ) from a favorable water flow. BGRIM operates two small hydropower projects in Laos (Nam Che 1 and Xenamnoy2/Xekatam1) with combined capacity of 35MW (based on 100% interest). Two more projects with combined capacity of 98MW are being developed. Electricity sales from solar power in Vietnam fell 19% YoY due to a change in equity holding structure but improved QoQ due to higher demand in Vietnam and lower impact from curtailment. Energy curtailment came down further to 3-4% in 2Q22 from 6-7% in 1Q22.

Operating profit pressured by higher gas cost in 2H22F. Management says gas cost will remain high in 2H22F, raising its 2022 average cost guidance to Bt430-480/mmbtu from Bt400-450/mmbtu vs. Bt266.04/mmbtu in 2021. This will be offset by gradual Ft adjustment to compensate for higher fuel cost. Including the potential increase in Ft for Sep-Dec 2022 of Bt0.6866/kWh, average Ft rate in 2022 will increase from a negative of Bt0.1532/kWh in 2021 to Bt0.3986/kWh in 2022 (+Bt0.5518/kWh). Based on management guidance, this will raise net profit by Bt1.2bn from 2021 but remains far below the Bt3.9bn rise in gas cost. This will be offset by five new SPP plants under the SPP Replacement scheme when they start up later this year that will provide 15% energy consumption savings. BGRIM's efficiency improvement program of two operating SPPs will save Bt20-25mn p.a. in gas cost and cut expenses by Bt100mn in 2022. Neutral with DCF-based TP of Bt50 (down from Bt55).

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

Forecasts and valuation

Year to 31 Dec	Unit	2020	2021	2022F	2023F	2024F
Revenue	(Btmn)	44,087	46,628	66,732	84,927	86,611
EBITDA	(Btmn)	13,040	12,422	11,982	16,793	17,825
Core profit	(Btmn)	2,509	1,520	1,034	3,821	4,343
Reported profit	(Btmn)	2,175	2,276	1,285	3,821	4,343
Core EPS	(Bt)	0.96	0.58	0.40	1.47	1.67
DPS	(Bt)	0.45	0.42	0.22	0.70	0.80
P/E, core	(X)	40.8	67.3	99.0	26.8	23.6
EPS growth, core	(%)	14.4	(39.4)	(32.0)	269.6	13.7
P/BV, core	(x)	3.7	3.5	3.4	3.1	2.9
ROE	(%)	9.0	5.3	3.5	12.2	12.8
Dividend yield	(%)	1.1	1.1	0.6	1.8	2.0
FCF yield	(x)	(9.6)	(5.1)	(5.8)	6.1	11.7
EV/EBIT	(x)	25.1	28.7	34.9	19.4	16.8
EBIT growth, core	(%)	9.1	(3.5)	(11.6)	73.9	10.1
EV/CE	(x)	2.3	2.3	2.3	2.3	2.3
ROCE	(%)	8.3	7.1	5.7	9.9	11.5
EV/EBITDA	(x)	14.5	16.8	18.8	12.9	11.6
EBITDA growth	(%)	12.6	(4.7)	(3.5)	40.1	6.1

Source: SCBS Investment Research



SCBS 🗘

Tactical: NEUTRAL

(3-month)

Free float (%)

Dividend policy (%)

Stock data	
Last close (Aug 11) (Bt)	39.25
Target price (Bt)	50.00
Mkt cap (Btbn)	102.32
Mkt cap (US\$mn)	2,894
Beta	L
Mkt cap (%) SET	0.52
Sector % SET	22.20
Shares issued (mn)	2,607
Par value (Bt)	2.00
12-m high / low (Bt)	46.5 / 29.8
Avg. daily 6m (US\$mn)	12.37
Foreign limit / actual (%)	49 / 40

2021 Sustainability / ESG Score

Sustainability Index (THSI) Included

36.0

≥ 40

ESG Bloomberg Score	n.a.
Environmental Score	n.a.
Social Score	n.a.
Governance Score	n.a.
Source: Bloomberg Finance L.P.	

Share performance

(%)	1M	3M	12M
Absolute	4.7	23.6	(8.7)
Relative to SET	(0.2)	20.7	(13.8)
Source: SET, SCBS Inve	estment Res	earch	

Analyst

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ESG Disclosure Score

	2020	2021
ESG Disclosure Score	66.49	n.a.
Environment	63.03	n.a.
Total GHG Emissions (thousands of metric tonnes)	5,396.46	n.a.
Total Water Use (thousands of cubic meters)	20,680.00	n.a.
Hazardous Waste (thousands of metric tonnes)	0.15	n.a.
Total Waste (thousands of metric tonnes)	2.23	n.a.
Social	49.00	n.a.
Number of Employees	1,106.00	n.a.
Workforce Accidents	n.a.	n.a.
Lost Time from Accidents	n.a.	n.a.
Fatalities - Contractors	n.a.	n.a.
Fatalities - Employees	n.a.	n.a.
Fatalities - Total	n.a.	n.a.
Community Spending	283.00	n.a.
Governance	87.36	n.a.
Size of the Board	9.00	10.00
Independent Directors	6.00	6.00
% Independent Directors	66.67	60.00
Board Duration (Years)	3.00	3.00
# Board Meetings	15.00	13.00
Board Mtg Attendance (%)	97.56	98.42
Source: Bloomberg Finance L.P.		

Disclaimer

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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



Financial statement

Unit	2017	2018	2019	2020	2021	2022F	2023E	2024F
								60,347
						-	-	44,921
								15,426
. ,		-	•	•		•	•	2,655
. ,								560
								4,901
								8,430
		-	•	•			•	
								1,024 45
. ,								
								(2,981) 4,471
• •		•	•			•	•	4,471
. ,								
• •		-	•	•			•	4,471
. ,								18,830
• •								1.72
								1.72
(Bt)	0.30	0.32	0.37	0.45	0.42	0.42	0.80	0.90
Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
(Btmn)	25,837	23,822	33,493	29,879	41,058	44,591	49,388	56,713
	-							116,189
								172,902
. ,								146,831
. ,								16,220
						-		101,718
(Btmn)						121,509		117,939
(Btmn)	•	-			•	5.214		5,214
								36,107
• •		- /	- /	1 -	- /	•		
(Bt)	7.16	7.39	10.80	10.54	11.31	11.92	12.98	13.85
(Bt)	7.16	7.39	10.80	10.54	11.31	11.92	12.98	13.85
Unit	2017	2018	2019	2020	2021	2022F	2023F	2024F
Unit (Btmn)	2017 2,165	2018 1,868	2019 2,194	2020 2,509	2021 1,520	2022F 2,710	2023F 4,231	2024F 4,471
Unit (Btmn) (Btmn)	2017 2,165 2,758	2018 1,868 3,341	2019 2,194 4,660	2020 2,509 5,494	2021 1,520 5,139	2022F 2,710 5,544	2023F 4,231 5,597	2024F 4,471 5,499
Unit (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381	2018 1,868 3,341 7,614	2019 2,194 4,660 9,593	2020 2,509 5,494 6,826	2021 1,520 5,139 10,113	2022F 2,710 5,544 13,814	2023F 4,231 5,597 10,872	2024F 4,471 5,499 8,997
Unit (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804)	2018 1,868 3,341 7,614 (9,973)	2019 2,194 4,660 9,593 (6,902)	2020 2,509 5,494 6,826 (16,639)	2021 1,520 5,139 10,113 (15,326)	2022F 2,710 5,544 13,814 (18,522)	2023F 4,231 5,597 10,872 (4,622)	2024F 4,471 5,499 8,997 316
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804) 7,310	2018 1,868 3,341 7,614 (9,973) (3,290)	2019 2,194 4,660 9,593 (6,902) 5,910	2020 2,509 5,494 6,826 (16,639) 7,762	2021 1,520 5,139 10,113 (15,326) 11,809	2022F 2,710 5,544 13,814 (18,522) 6,872	2023F 4,231 5,597 10,872 (4,622) (1,069)	2024F 4,471 5,499 8,997 316 (709)
Unit (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804)	2018 1,868 3,341 7,614 (9,973)	2019 2,194 4,660 9,593 (6,902)	2020 2,509 5,494 6,826 (16,639)	2021 1,520 5,139 10,113 (15,326)	2022F 2,710 5,544 13,814 (18,522)	2023F 4,231 5,597 10,872 (4,622)	2024F 4,471 5,499 8,997 316 (709)
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804) 7,310	2018 1,868 3,341 7,614 (9,973) (3,290)	2019 2,194 4,660 9,593 (6,902) 5,910	2020 2,509 5,494 6,826 (16,639) 7,762	2021 1,520 5,139 10,113 (15,326) 11,809	2022F 2,710 5,544 13,814 (18,522) 6,872	2023F 4,231 5,597 10,872 (4,622) (1,069)	2024F 4,471 5,499 8,997 316 (709)
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804) 7,310	2018 1,868 3,341 7,614 (9,973) (3,290)	2019 2,194 4,660 9,593 (6,902) 5,910	2020 2,509 5,494 6,826 (16,639) 7,762	2021 1,520 5,139 10,113 (15,326) 11,809	2022F 2,710 5,544 13,814 (18,522) 6,872	2023F 4,231 5,597 10,872 (4,622) (1,069)	2024F 4,471 5,499 8,997 316 (709) 8,604
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650)	2019 2,194 4,660 9,593 (6,902) 5,910 8,601	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051)	2021 1,520 5,139 10,113 (15,326) 11,809 6,596	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) Unit	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2022F	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) Unit (%)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2022F 17.4 14.9	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2022F 17.4 14.9 25.1	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23,7 19,7 29,1 20,3	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2022F 17.4 14.9 25.1 15.8	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) ((b) (%) (%) (%) (%)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2,163 17.4 14.9 25.1 15.8 4.5	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (0%) (%) (%) (%) (%)	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2022F 17.4 14.9 25.1 15.8 4.5 8.9	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.6
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) ((b) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2022F 17.4 14.9 25.1 15.8 4.5 8.9 1.7	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.6 1.9
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) ((b) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.2	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2022F 17,4 14.9 25.1 15.8 4.5 8.9 1.7 2,7	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.2.1 7.4 12.8 2.6 1.9 3.8
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) ((b) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23,7 19,7 29,1 20,3 6,8 17,6 2,6 2,1 4,5	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.2 4.1	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2,163 2,163 2,163 1,74 1,4,9 2,5,1 1,5,8 4,5 8,9 1,7 2,7 3,3	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.6 1.9 3.8 2.5
Unit (Btmn) (Btm	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23,7 19,7 29,1 20,3 6,8 17,6 2,6 2,1 4,5 1,4	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 4.4	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.2 4.1 0.5	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2,163 2,163 2,163 1,74 1,5,8 4,5 8,9 1,7 2,7 3,3 1,8	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.21 7.4 12.8 2.6 1.9 3.8 2.5
Unit (Btmn) (Btm	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1 4.5 1.4 36.8	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0 44.8	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.2 4.1 0.5 53.9	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2022F 17.4 14.9 25.1 15.8 4.5 8.9 1.7 2.7 3.3 1.8 40.4	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.6 1.9 3.8 2.5 52.5
Unit (Btmn) (Btm	2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1 4.5 1.4 36.8	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0 44.8	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.2 4.1 0.5 53.9	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2,022F 17,4 14,9 25,1 15,8 4,5 8,9 1,7 2,7 3,3 1,8 4,0,4	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.6 1.9 3.8 2.5 52.5 2024F
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (G%) (%) (%) (%) (%) (%) (%) (%) (%) (%) (2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1 4.5 1.4 36.8 2.1 4.5 1.4 36.8	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.0 2.9 3.4 2.0 44.8 2018 7,702	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4 2019 9,100	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.0 2.2 4.1 0.5 53.9	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1 2021 9,701	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2022F 17,4 14.9 25.1 15.8 4.5 8.9 1.7 2.7 3.3 1.8 4.5 8.9 1.7 2.7 3.3 1.8 40.4	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3 2023F 8,874	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7,4 12.8 2.6 1.9 3.8 2.5 52.5 52.5 2024F 9,864
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (G%) (%) (%) (%) (%) (%) (%) (%) (%) (%) (2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23,7 19,7 29,1 20,3 6,8 17,6 2,6 2,1 4,5 1,4 36,8 2017 6,706 2,949	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0 44.8 2.0 44.8	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4 1.2 41.4	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.0 2.2 4.1 0.5 53.9 2020 9,714 2,821	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1 2021 9,701 3,314	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 2,763 1,74 14.9 25,1 15,8 4,5 8,9 1,7 2,7 3,3 1,8 40,4 2022F 9,171 5,358	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3 2.1 49.3	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 21.1 7.4 12.8 2.6 1.9 3.8 2.5 52.5 52.5 2024F 9,864 7,621
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) ((%) (%) (%) (%) (%) (%) (%) (%) (%) (2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1 4.5 1.4 36.8 1.4 36.8 2017 6,706 2,949 512	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0 44.8 2.0 44.8 2.0 44.8	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4 1.2 41.4 2019 9,100 3,084 855	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.0 2.0 2.0 2.0 2.2 4.1 0.5 53.9 3.9 2020 9,714 2,821 907	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1 2.9 1.2 48.1 2.0 2.9 1.2 48.1	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 13,84 4,5 8,9 1,7 2,77 3,3 1,8 4,5 8,9 1,7 2,71 3,3 1,8 40,4 2022F 9,171 5,358 907	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3 3.7 2.1 49.3	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.5 52.5 52.5 52.5 52.5 52.5 52.5
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (G%) (%) (%) (%) (%) (%) (%) (%) (%) (%) (2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1 4.5 1.4 36.8 17.4 36.8 17.6 2.6 2.1 4.5 1.4 36.8 2017 6,706 2,949 512 3.19	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0 44.8 2.0 44.8 2.0 44.8	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 2019 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4 1.2 41.4 2019 9,100 3,084 855 3.30	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.0 2.0 2.2 4.1 0.5 53.9 2020 9,714 2,821 907 3.29	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1 2.9 1.2 48.1 2.9 1.2 48.1 2.9 1.2 48.1	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 13,81 4,5 8,9 1,7,4 14,9 25,1 15,8 4,5 8,9 1,7 2,7 3,3 1,8 40,4 2022F 9,171 5,358 907 3,51	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3 3.7 2.1 49.3 3.7 2.1 49.3	2024F 4,471 5,499 8,997 316 (709) 8,604 225.6 21.2 31.2 22.1 7.4 12.8 2.6 1.9 3.8 2.5 52.5 52.5 52.5 2024F 9,864 7,621 1,086 3.51
Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) ((%) (%) (%) (%) (%) (%) (%) (%) (%) (2017 2,165 2,758 7,381 (4,804) 7,310 9,887 2017 23.7 19.7 29.1 20.3 6.8 17.6 2.6 2.1 4.5 1.4 36.8 1.4 36.8 2017 6,706 2,949 512	2018 1,868 3,341 7,614 (9,973) (3,290) (5,650) 2018 20.5 16.7 27.1 17.9 5.1 9.9 2.0 2.9 3.4 2.0 44.8 2.0 44.8 2.0 44.8	2019 2,194 4,660 9,593 (6,902) 5,910 8,601 19.2 15.0 26.2 15.7 5.3 9.3 2.0 1.8 4.4 1.2 41.4 1.2 41.4 2019 9,100 3,084 855	2020 2,509 5,494 6,826 (16,639) 7,762 (2,051) 2020 21.2 16.5 29.6 17.1 4.9 9.0 2.0 2.0 2.0 2.0 2.0 2.0 2.2 4.1 0.5 53.9 3.9 2020 9,714 2,821 907	2021 1,520 5,139 10,113 (15,326) 11,809 6,596 2021 18.8 15.2 26.6 15.6 4.9 5.3 1.1 2.6 2.9 1.2 48.1 2.9 1.2 48.1 2.0 2.9 1.2 48.1	2022F 2,710 5,544 13,814 (18,522) 6,872 2,163 2,163 13,84 4,5 8,9 1,7 2,77 3,3 1,8 4,5 8,9 1,7 2,71 3,3 1,8 40,4 2022F 9,171 5,358 907	2023F 4,231 5,597 10,872 (4,622) (1,069) 5,181 2023F 24.1 20.6 31.2 21.6 7.2 13.0 2.5 2.3 3.7 2.1 49.3 3.7 2.1 49.3	2024F 4,471 5,499 8,997 316 (709) 8,604 2024F 25.6 21.2 31.2 22.1 7.4 12.8 2.6
	(Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	(Btmn) 31,482 (Btmn) 24,013 (Btmn) 24,013 (Btmn) 7,469 (Btmn) 1,263 (Btmn) 2,053 (Btmn) 2,256 (Btmn) 2,165 (Btmn) 0,383 (Btmn) 2,127 (Btmn) 9,151 (Btmn) 0,82 (Bt) 0.30 Unit 2017 (Btm) 25,837 (Btm) 63,403 (Btmn) 72,580 (Btmn) 72,580 (Btmn) 9,447 (Btmn) 54,050 (Btmn) 5,214	(Btmn) 31,482 36,585 (Btmn) 24,013 29,079 (Btmn) 7,469 7,506 (Btmn) 1,263 1,409 (Btmn) 1,263 1,409 (Btmn) 1,263 1,409 (Btmn) 2,053 2,928 (Btmn) 2,055 182 (Btmn) 2,155 1,868 (Btmn) 2,165 1,868 (Btmn) 3(38) (6) (Btmn) 2,127 1,863 (Btmn) 0,813 0.72 (Bt) 0.30 0.32 Unit 2017 2018 (Btm) 25,837 23,822 <	(Btmn) 31,482 36,585 44,132 (Btmn) 24,013 29,079 35,637 (Btmn) 7,469 7,506 8,495 (Btmn) 1,263 1,409 1,865 (Btmn) 1,87 460 289 (Btmn) 2,053 2,928 2,630 (Btmn) 2,053 2,928 2,630 (Btmn) 2,053 2,928 2,630 (Btmn) 2,053 2,928 2,630 (Btmn) 2,053 1,77 235 (Btmn) 2,35 177 235 (Btmn) 2,565 1,82 101 (Btmn) 2,165 1,868 2,194 (Btmn) (38) (6) 138 (Btmn) 2,127 1,863 2,331 (Btmn) 9,151 9,898 11,580 (Btmn) 0,82 0.71 0.89 (Bt) 0.30 0.32 0.37 (Btm) 25,837	(Btmn) 31,482 36,585 44,132 44,087 (Btmn) 24,013 29,079 35,637 34,753 (Btmn) 7,469 7,506 8,495 9,334 (Btmn) 1,263 1,409 1,865 2,039 (Btmn) 187 460 289 251 (Btmn) 2,053 2,928 2,630 3,186 (Btmn) 2,053 2,928 2,630 3,186 (Btmn) 2,053 2,928 2,630 3,186 (Btmn) 2,053 1,77 235 233 (Btmn) 235 177 235 233 (Btmn) 2165 1,868 2,194 2,509 (Btmn) 2,127 1,863 2,331 2,175 (Btmn) 9,151 9,898 11,580 13,040 (Btmn) 9,151 9,898 11,580 13,040 (Btmn) 0.30 0.32 0.37 0.45 (Btm)	(Btmn) 31,482 36,585 44,132 44,087 46,628 (Btmn) 24,013 29,079 35,637 34,753 37,861 (Btmn) 7,469 7,506 8,495 9,334 8,768 (Btmn) 1,263 1,409 1,865 2,039 1,673 (Btmn) 1,263 1,409 1,865 2,039 1,673 (Btmn) 2,053 2,928 2,630 3,186 4,293 (Btmn) 2,053 2,928 2,630 3,186 4,293 (Btmn) 2,053 1,77 235 233 298 (Btmn) 256 182 101 58 44 (Btmn) 2,165 1,868 2,194 2,509 1,520 (Btmn) (1,467) (1,113) (1,646) (1,581) (1,141) (Btmn) 2,127 1,863 2,331 2,175 2,276 (Btmn) 9,151 9,898 11,580 13,040 12,422 </td <td>(Btmn) 31,482 36,585 44,132 44,087 46,628 60,075 (Btmn) 24,013 29,079 35,637 34,753 37,861 49,594 (Btmn) 7,469 7,506 8,495 9,334 8,768 10,480 (Btmn) 1,263 1,409 1,865 2,039 1,673 1,502 (Btmn) 1,87 460 289 251 188 531 (Btmn) 2,053 2,928 2,630 3,186 4,293 4,573 (Btmn) 4,341 3,629 4,290 4,360 2,989 4,936 (Btmn) 235 177 235 233 298 502 (Btmn) (1,467) (1,113) (1,646) (1,581) (1,141) (1,769) (Btmn) 2,165 1,868 2,194 2,509 1,520 2,710 (Btmn) 0,38 (6) 138 (334) 756 0 (Btmn) 9,151</td> <td>(Btmn) 31,482 36,585 44,132 44,087 46,628 60,075 58,753 (Btmn) 24,013 29,079 35,637 34,753 37,861 49,594 44,586 (Btmn) 1,263 1,409 1,865 2,039 1,673 1,502 2,056 (Btmn) 1,263 1,409 1,865 2,039 1,673 1,502 2,056 (Btmn) 2,053 2,928 2,630 3,186 4,293 4,573 4,900 (Btmn) 2,053 2,928 2,630 3,186 4,293 4,573 4,900 (Btmn) 2,353 177 235 233 298 502 871 (Btmn) 2,165 1,868 2,194 2,509 1,520 2,710 4,231 (Btmn) 2,165 1,868 2,194 2,509 1,520 2,710 4,231 (Btmn) 2,127 1,663 2,331 2,175 2,276 2,710 4,231</td>	(Btmn) 31,482 36,585 44,132 44,087 46,628 60,075 (Btmn) 24,013 29,079 35,637 34,753 37,861 49,594 (Btmn) 7,469 7,506 8,495 9,334 8,768 10,480 (Btmn) 1,263 1,409 1,865 2,039 1,673 1,502 (Btmn) 1,87 460 289 251 188 531 (Btmn) 2,053 2,928 2,630 3,186 4,293 4,573 (Btmn) 4,341 3,629 4,290 4,360 2,989 4,936 (Btmn) 235 177 235 233 298 502 (Btmn) (1,467) (1,113) (1,646) (1,581) (1,141) (1,769) (Btmn) 2,165 1,868 2,194 2,509 1,520 2,710 (Btmn) 0,38 (6) 138 (334) 756 0 (Btmn) 9,151	(Btmn) 31,482 36,585 44,132 44,087 46,628 60,075 58,753 (Btmn) 24,013 29,079 35,637 34,753 37,861 49,594 44,586 (Btmn) 1,263 1,409 1,865 2,039 1,673 1,502 2,056 (Btmn) 1,263 1,409 1,865 2,039 1,673 1,502 2,056 (Btmn) 2,053 2,928 2,630 3,186 4,293 4,573 4,900 (Btmn) 2,053 2,928 2,630 3,186 4,293 4,573 4,900 (Btmn) 2,353 177 235 233 298 502 871 (Btmn) 2,165 1,868 2,194 2,509 1,520 2,710 4,231 (Btmn) 2,165 1,868 2,194 2,509 1,520 2,710 4,231 (Btmn) 2,127 1,663 2,331 2,175 2,276 2,710 4,231



Financial statement

FY December 31	Unit	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22
Total revenue	(Btmn)	11,186	10,323	10,453	11,475	11,714	12,903	14,758	14,676
Cost of goods sold	(Btmn)	8,737	8,072	8,127	8,885	, 9,584	11,265	13,458	12,983
Gross profit	(Btmn)	2,449	2,250	2,326	2,590	2,130	1,639	1,300	1,693
5G&A	(Btmn)	478	583	411	409	413	431	383	453
Other income	(Btmn)	40	42	28	45	57	58	505	66
Interest expense	(Btmn)	982	347	1,337	945	1,227	784	860	1,670
Pre-tax profit	. ,	1,030	1,362	605	1,280	547	482	109	(365)
•	(Btmn)	•	•		•				. ,
Corporate tax	(Btmn)	59	100	110	128	55	6	29	2
Equity a/c profits	(Btmn)	(10)	15	50	(9)	14	(11)	(3)	(20)
Minority interests	(Btmn)	(358)	(480)	(237)	(449)	(158)	(297)	(67)	(44)
Core profit	(Btmn)	603	797	309	695	348	168	9	(430)
Extra-ordinary items	(Btmn)	(102)	(221)	302	327	100	27	14	237
Net Profit	(Btmn)	501	576	611	1,022	447	195	23	(193)
EBITDA	(Btmn)	3,406	3,092	3,244	3,533	3,065	2,506	2,176	2,536
Core EPS	(Btmn)	0.23	0.31	0.12	0.27	0.13	0.06	0.00	(0.17)
Net EPS	(Bt)	0.19	0.22	0.23	0.39	0.17	0.07	0.01	(0.07)
Balance Sheet									
FY December 31	Unit	3Q20	4Q20	1Q21	2Q21	3Q21	4Q21	1Q22	2Q22
Total current assets	(Btmn)	30,397	29,879	30,118	34,489	38,854	41,058	39,268	50,658
Total fixed assets	(Btmn)	96,581	100,817	103,033	104,658	103,658	108,139	113,130	117,831
Total assets	(Btmn)	126,978	130,696	133,151	139,147	142,512	149,198	152,398	168,489
Total loans	(Btmn)	69,611	78,001	78,979	84,703	88,517	95,693	96,633	112,720
Total current liabilities	(Btmn)	23,339	26,993	28,257	24,116	15,251	12,724	13,180	15,128
Total long-term liabilities	(Btmn)	65,895	64,399	63,749	73,960	87,043	95,658	96,753	110,041
Total liabilities	(Btmn)	89,234	91,392	92,006	98,077	102,295	108,382	109,933	125,169
Paid-up capital	(Btmn)	5,214	5,214	5,214	5,214	5,214	5,214	5,214	5,214
Total equity	(Btmn)	27,181	27,470	28,975	28,788	29,414	29,471	30,628	31,011
									,
BVPS	(Bt)	10.43	10.54	11.11	11.04	11.28	11.31	11.75	11.90
BVPS Cash Flow Statement	(Bt)				11.04			11.75	11.90
Cash Flow Statement	(Bt) Unit				11.04 2Q21			11.75 1Q22	
Cash Flow Statement FY December 31		10.43	10.54	11.11		11.28	11.31		2Q22
Cash Flow Statement FY December 31 Core Profit	Unit	10.43 3Q20	10.54 4Q20	11.11 1Q21	2Q21	11.28 3Q21	11.31 4Q21	1Q22	2Q22 (430)
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization	Unit (Btmn)	10.43 3Q20 603	10.54 4Q20 797	11.11 1Q21 309	2Q21 695	11.28 3Q21 348	11.31 4Q21 168	1Q22 9	2Q22 (430) 1,231
	Unit (Btmn) (Btmn) (Btmn)	10.43 3Q20 603 1,394 3,261	10.54 4Q20 797 1,383 (3,772)	11.11 1Q21 309 1,301 4,501	2Q21 695 1,307 1,403	11.28 3Q21 348 1,291 3,006	11.31 4Q21 168 1,240 1,202	1Q22 9 1,207 3,315	2Q22 (430) 1,231 73
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow	Unit (Btmn) (Btmn)	3Q20 603 1,394 3,261 (9,015)	10.54 4Q20 797 1,383 (3,772) (3,686)	11.11 1Q21 309 1,301 4,501 (2,233)	2Q21 695 1,307 1,403 (2,664)	3Q21 348 1,291 3,006 (3,482)	4Q21 168 1,240 1,202 (6,948)	1Q22 9 1,207	2Q22 (430) 1,231 73 (3,068)
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow	Unit (Btmn) (Btmn) (Btmn) (Btmn)	10.43 3Q20 603 1,394 3,261	10.54 4Q20 797 1,383 (3,772)	11.11 1Q21 309 1,301 4,501	2Q21 695 1,307 1,403	11.28 3Q21 348 1,291 3,006	11.31 4Q21 168 1,240 1,202	1Q22 9 1,207 3,315 (3,317)	2Q22 (430) 1,231 73 (3,068) 12,595
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	3Q20 603 1,394 3,261 (9,015) 5,809	4Q20 797 1,383 (3,772) (3,686) 7,947	11.11 1Q21 309 1,301 4,501 (2,233) (769)	2Q21 695 1,307 1,403 (2,664) 2,686	3Q21 348 1,291 3,006 (3,482) 4,325	4Q21 168 1,240 1,202 (6,948) 5,567	1Q22 9 1,207 3,315 (3,317) 343	2Q22 (430) 1,231 73 (3,068) 12,595 9,600
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	3Q20 603 1,394 3,261 (9,015) 5,809	4Q20 797 1,383 (3,772) (3,686) 7,947	11.11 1Q21 309 1,301 4,501 (2,233) (769)	2Q21 695 1,307 1,403 (2,664) 2,686	3Q21 348 1,291 3,006 (3,482) 4,325	4Q21 168 1,240 1,202 (6,948) 5,567	1Q22 9 1,207 3,315 (3,317) 343	2Q22 (430) 1,231 73 (3,068) 12,595 9,600
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	3Q20 603 1,394 3,261 (9,015) 5,809 55	4Q20 797 1,383 (3,772) (3,686) 7,947 489	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499	2Q21 695 1,307 1,403 (2,664) 2,686 1,425	3Q21 348 1,291 3,006 (3,482) 4,325 3,850	4Q21 168 1,240 1,202 (6,948) 5,567 (178)	1Q22 9 1,207 3,315 (3,317) 343 341	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1Q21	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3Q21	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) Unit (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20 21.9	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20 21.8	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1Q21 22.3	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22Q21 22.6	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3Q21 18.2	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) Unit (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20 21.9 17.6 30.5	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 489 4Q20 21.8 16.2 30.0	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 1,499 1,22.3 18.3 31.0	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3Q21 18.2 14.7 26.2	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBIT margin	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20 21.9 17.6 30.5 18.0	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20 21.8 16.2 30.0 16.6	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 1,223 18.3 31.0 18.6	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 2Q21 22.6 19.0 30.8 19.4	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3,850 3,850 14,7 18.2 14.7 26.2 15.1	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Coperating margin EBITDA margin EBIT margin Net profit margin	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (0) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 55 20 21.9 17.6 30.5 18.0 4.5	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20 21.8 16.2 30.0 16.6 5.6	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 22.3 18.3 31.0 18.6 5.8	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3,850 3Q21 18.2 14.7 26.2 15.1 3.8	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3)
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBITDA margin Net profit margin ROE	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 55 21.9 17.6 30.5 18.0 4.5 8.9	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 489 21.8 16.2 30.0 16.6 5.6 11.7	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 22.3 18.3 31.0 18.6 5.8 4.4	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2,686 1,425 2,26 19,0 30,8 19,4 8,9 9,6	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9.4 12.7 9.4 19.4 9.8 1.5 2.3	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6)
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBITDA margin Net profit margin ROE ROA	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 5 5 809 21.9 17.6 30.5 18.0 4.5 8.9 1.9	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 489 21.8 16.2 30.0 16.6 5.6 11.7 2.5	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 22.3 18.3 31.0 18.6 5.8 4.4 0.9	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 226 19.0 30.8 19.4 8.9 9.6 2.0	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 1.0	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9.4 12.7 9.4 19.4 9.8 1.5 2.3 0.5	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11,5 8,4 17,3 8,9 (1,3) (5,6) (1,1)
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBITDA margin Net profit margin ROE ROA Net D/E	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 420 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 1,223 18.3 31.0 18.6 5.8 4.4 0.9 2.0	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 4.8 1.0 2.1	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0.5 2.3	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.0 2.3	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBITDA margin Ret profit margin Ret profit margin ROE ROA Net D/E Interest coverage	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 8.9	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,4	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 1.0 2.1 2.5	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0.5 2.3 0.5 2.3 3.2	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.2 0.1 0.0 2.3 2.5	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5 1.5
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios FY December 31	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 420 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 1,223 18.3 31.0 18.6 5.8 4.4 0.9 2.0	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 4.8 1.0 2.1	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0.5 2.3	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.0 2.3	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5 1.5
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin ROF and	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Constant (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5 0.9	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 8.9 0.6	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 1,499 1,223 18.3 31.0 18.6 5.8 4.4 0.9 2.0 2.4 0.5	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7 0.7	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 1.0 2.1 2.5 1.0	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9.4 19.4 9.8 1.5 2.3 0.5 2.3 0.5 2.3 3.2 1.0	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0 2.3 2.5 1.0	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5 1.5 0.7
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBIT margin Net profit margin ROE ROA Net D/E Interest coverage Debt service coverage Key Statistics FY December 31	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Chine (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5 0.9 1.8 3.5 0.9	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4020 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 8.9 0.6 4Q20	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 1,499 1,499 1,499 1,499 2,0 2,4 0,5 2,4 0,5 1Q21	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7 0.7	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3Q21 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 1.0 2.1 2.5 1.0 3Q21	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9.4 19.4 9.8 1.5 2.3 0.5 2.3 0.5 2.3 3.2 1.0	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0 2.3 2.5 1.0	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5 5 1.5 0.7 2Q22
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBIT margin Net profit margin ROE ROA Net D/E Interest coverage Debt service coverage Key Statistics FY December 31 Electricity sales - EGAT	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Comparison (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5 0.9 1.8 3.5 0.9 3Q20 2,507	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 49 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 8.9 0.6 4Q20 4Q20	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 2,0 2,23 18.3 31.0 18.6 5.8 4.4 0.9 2.0 2.4 0.5 	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7 0.7 2Q21 3.7 0.7	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3Q21 18.2 14.7 26.2 15.1 3.8 4.8 1.0 2.1 2.5 1.0 3Q21 3Q21 2,445	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0.5 2.3 0.5 2.3 3.2 1.0 1.0 4Q21 4Q21 2,439	1Q22 9 1,207 3,315 (3,317) 343 341 1Q22 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.2 0.1 0.0 2.3 2.5 1.0 4 2.5 1.0	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.55 1.55 0.7 2022 2,296
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Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Coperating margin EBITDA margin EBITDA margin ROE ROA Net D/E Interest coverage Debt service coverage Key Statistics FY December 31 Electricity sales - EGAT Electricity sales - IU (Thailand) Steam sales - IU (Thailand)	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 1.9 1.9 1.8 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.8 1.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.8 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.8 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.8 1.8 1.8 1.9 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 1.7 2.5 2.1 8.9 0.6 3.9 0.6 4Q20 2.384 764	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 2,23 18.3 31.0 18.6 5.8 4.4 0.9 2.0 2.4 0.5 2.4 0.5 1Q21 2.4 0.5 10 2.4 0.5 10 10 10 10 10 10 10 10 10 10	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7 0.7 0.7 2Q21 2,516 831 240	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,950 3,9	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0,5 2.3 0,5 2.3 3,2 1,0 1,0 4 0,5 2,3 3,2 1,0 1,0 4 2,439 825 2,17	1022 9 1,207 3,315 (3,317) 343 341 1022 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.2 0.1 0.0 0.2 3 2.5 1.0 2.3 2.5 1.0 1.0 2.3 2.5 1.0	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5 1.5 0.7 2Q22 2,296 857 192
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Financing cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Coperating margin EBITDA margin EBITDA margin ROE ROA Net D/E Interest coverage Debt service coverage Key Statistics FY December 31 Electricity sales - EGAT Electricity sales - IU (Thailand) Steam sales - IU (Thailand)	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Comparison (%) (%) (%) (%) (%) (%) (%) (%) (%) (%)	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 3.5 0.9 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 4Q20 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 1.7 2.5 2.1 8.9 0.6 4Q20 2.384 764 2,384 764	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 2,23 18.3 31.0 18.6 5.8 4.4 0.9 2.0 2.4 0.5 4.4 0.9 2.0 2.4 0.5 1Q21 2.3 18.3 31.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 18.6 5.8 4.4 0.9 2.0 1.4 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7 0.7 0.7 2Q21 2,516 831 240 3.23	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,850 3,850 3,251 1,0 2,11 2,55 1,0 2,11 2,55 1,0 3,0 4,8 4,8 1,0 2,11 2,55 1,0 3,0 4,8 4,8 1,21 3,8 4,8 4,8 1,0 2,11 3,8 4,8 4,8 1,0 2,11 3,8 4,8 4,8 1,0 2,11 3,8 4,8 4,8 1,0 1,0 1,0 1,0 1,0 1,0 1,0 1,0	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0.5 2.3 0.5 2.3 3.2 1.0 4Q21 2,439 825 217 3.28	1022 9 1,207 3,315 (3,317) 343 341 1022 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.2 0.1 0.0 0.2 3 2.5 1.0 2.5 1.0 1.0 2.3 2.5 1.0	2Q22 (430) 1,231 73 (3,068) 12,595 9,600 2Q22 11.5 8.4 17.3 8.9 (1.3) (5.6) (1.1) 2.5 1.5 0.7 2Q22 2,296 857 192
Cash Flow Statement FY December 31 Core Profit Depreciation and amortization Operating cash flow Investing cash flow Net cash flow Net cash flow Key Financial Ratios FY December 31 Gross margin Operating margin EBITDA margin EBIT Margin Net profit margin ROE ROA Net D/E Interest coverage Debt service coverage	Unit (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (Btmn) (%) (%) (%) (%) (%) (%) (%) (%) (%) (%	10.43 3Q20 603 1,394 3,261 (9,015) 5,809 55 3Q20 21.9 17.6 30.5 18.0 4.5 8.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 1.9 1.9 1.8 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.9 1.8 1.9 1.9 1.8 1.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.9 1.8 3.5 0.9 1.8 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.8 1.8 1.9 1.8 1.8 1.9 1.8 1.8 1.8 1.8 1.8 1.9 1.8 1.8 1.8 1.8 1.8 1.8 1.8 1.8	10.54 4Q20 797 1,383 (3,772) (3,686) 7,947 489 21.8 16.2 30.0 16.6 5.6 11.7 2.5 2.1 1.7 2.5 2.1 8.9 0.6 3.9 0.6 4Q20 2.384 764	11.11 1Q21 309 1,301 4,501 (2,233) (769) 1,499 2,23 18.3 31.0 18.6 5.8 4.4 0.9 2.0 2.4 0.5 2.4 0.5 1Q21 2.4 0.5 10 2.4 0.5 10 10 10 10 10 10 10 10 10 10	2Q21 695 1,307 1,403 (2,664) 2,686 1,425 2Q21 22.6 19.0 30.8 19.4 8.9 9.6 2.0 2.1 3.7 0.7 0.7 2Q21 3.7 0.7	11.28 3Q21 348 1,291 3,006 (3,482) 4,325 3,850 3,950 3,9	11.31 4Q21 168 1,240 1,202 (6,948) 5,567 (178) 4Q21 12.7 9,4 19,4 9,8 1.5 2.3 0,5 2.3 0,5 2.3 3,2 1,0 1,0 4 0,5 2,3 3,2 1,0 1,0 4 2,439 825 2,17	1022 9 1,207 3,315 (3,317) 343 341 1022 8.8 6.2 14.7 6.6 0.2 0.1 0.0 0.2 0.1 0.0 0.2 3 2.5 1.0 2.3 2.5 1.0 1.0 2.3 2.5 1.0	2Q22 (430) 1,231 73 (3,068) 12,595

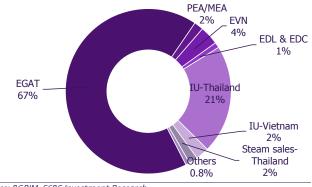


Figure 1: BGRIM – 2Q22 earnings review

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	2Q21	1Q22	2Q22	YoY%	QoQ%	6M21	6M22	ΥοΥ%
P&L (Bt, mn)								
Total revenue	11,475	14,758	14,676	27.9	(0.6)	21,928	29,434	34.2
Gross profit	2,590	1,300	1,693	(34.6)	30.2	4,916	2,993	(39.1)
EBITDA	3,533	2,176	2,536	(28.2)	16.6	6,776	4,712	(30.5)
Core profit	695	9	(430)	n.a.	n.a.	1,004	(421)	n.a.
Net Profit	1,022	23	(193)	n.a.	n.a.	1,633	(170)	n.a.
EPS (Bt)	0.39	0.01	(0.07)	n.a.	n.a.	0.63	(0.07)	n.a.
B/S (Bt, mn)								
Total assets	139,147	152,398	168,489	21.1	10.6	139,147	168,489	21.1
Total liabilities	98,077	109,933	125,169	27.6	13.9	98,077	125,169	27.6
Total equity	41,070	42,465	43,320	5.5	2.0	41,070	43,320	5.5
BVPS (Bt)	11.04	11.75	11.90	7.7	1.2	11.04	11.90	7.7
Financial ratio								
Gross margin (%)	22.6	8.8	11.5	(11.0)	2.7	22.4	10.2	(12.3)
EBITDA margin (%)	30.8	14.7	17.3	(13.5)	2.5	30.9	16.0	(14.9)
Net profit margin (%)	8.9	0.2	(1.3)	(10.2)	(1.5)	7.4	(0.6)	(8.0)
ROA (%)	2.0	0.0	(1.1)	(3.1)	(1.1)	2.4	(0.2)	(2.6)
ROE (%)	9.6	0.1	(5.6)	(15.2)	(5.7)	11.6	(1.1)	(12.7)
D/E (X)	2.4	2.6	2.9	50.1	30.1	2.4	2.9	50.1
Source: BCDIM SCRS Invoc	tmont Pocoarch							

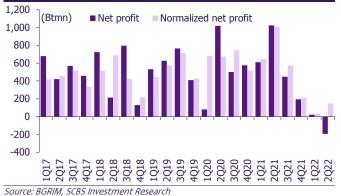
Source: BGRIM, SCBS Investment Research

Figure 2: Revenue breakdown (LTM-end 2Q22)

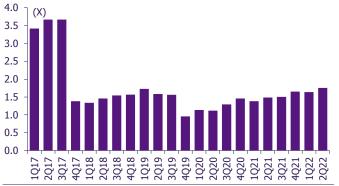


Source: BGRIM, SCBS Investment Research

Figure 4: Quarterly net profit

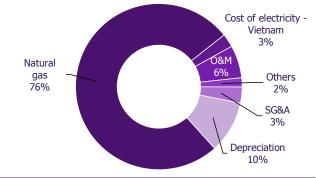






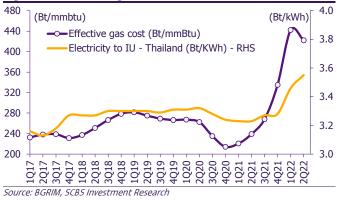
Source: BGRIM, SCBS Investment Research

Figure 3: Cost structure (LTM-end 2Q22)



Source: BGRIM, SCBS Investment Research

Figure 5: Effective gas cost vs. tariff to IU









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CG Rating 2021 Companies with CG Rating

Companies with Excellent CG Scoring

AAV, ADVANC, AF, AH, AIRA, AKP, AKR, ALT, AMA, AMATA, AMATAV, ANAN, AOT, AP, ARIP, ARROW, ASP, AUCT, AWC, AYUD, BAFS, BANPU, BAY, BBL, BCP, BCPG, BDMS, BEM, BGC, BGRIM, BIZ, BKI, BOL, BPP, BRR, BTS, BTW, BWG, CENTEL, CFRESH, CHEWA, CHO, CIMBT, CK, CKP, CM, CNT, COM7, COMAN, COTTO, CPALL, CPF, CPI, CPN, CRC, CSS, DDD, DELTA, DEMCO, DRT, DTAC, DUSIT, EA, EASTW, ECF, ECL, EE, EGCO, EPG, ETC, FPI, FPT, FSMART, GBX, GC, GCAP, GFPT, GGC*, GLAND, GLOBAL, GPI, GPSC, GRAMMY, GULF, GUNKUL, HANA, HARN, HMPRO, ICC, ICHI, III, ILINK, ILM, INTUCH, IP, IRPC, ITEL, IVL, JSP, JWD, K, KBANK, KCE, KKP, KSL, KTB, KTC, LALIN, LANNA, LH, GRAMMY, GUEF, GUNKUL, HANA, HARN, HMPRO, ICC, ICHI, III, ILIN, ILM, INTUCH, IP, IRPC, ITEL, IVL, JSP, JWD, K, KBANK, KCE, KKP, KSL, KTB, KTC, LALIN, LANNA, HA, LHFG, LIT, LPN, MACO, MAJOR, MAKRO, MALEE, MBK, MBKET, MC, MCOT, METCO, MFEC, MINT, MONO, MOONG, MSC, MTC, MVP, NCL, NEP, NER, NKI, NOBLE, NSI, NVD, NWR, NYT, OISHI, OR, ORI, OSP, OTO, PAP, PCSGH, PDG, PDJ, PG, PHOL*, PLANB, PLANET, PLAT, PORT, PPS, PR9, PRB, PRG, PRM, PROUD, PSH, PSL, PTG, PTT, PTTEP, PTTGC, PYLON, Q-CON, QH, QTC, RATCH, RS, S, S & J, SAAM, SABINA, SAMART, SAMTEL, SAT, SC, SCB, SCC, SCCC, SCG, SCGP, SCM, SDC, SEAFCO, SEAOLI, SE-ED, SELIC, SENA, SHR, SIRI, SIS, SITHAI, SMK, SMPC, SNC, SONIC, SPALI, SPI, SPRC, SPVI, SSSC, SST, STA, STEC*, STI, SUN, SUSCO, SUTHA, SVI*, SYMC, SYNTEC, TACC, TASCO, TCAP, TEAMG, TFMAMA, TGH, THANA, THANI, THCOM, THG, THIP, THRE, THREL, TIP¹, TIPCO, TISCO, TK, TKT, TMT, TNDT, TNITY, TOA, TOP, TPBI, TQM, TRC, TRU, TRUE, TSC, TSR, TSTE, TSTH, TTA, TTB, TTCL, TTW, TU, TVD, TVI, TVO, TWPC, U, UAC, UBIS, UV, VGI, VIH, WACOAL, WAVE, WHA, WHAUP, WICE, WINNER, ZEN

Companies with Very Good CG Scoring

2S, 7UP, ABICO, ABM, ACE, ACG, ADB, AEONTS, AGE, AHC, AIT, ALL, ALLA, ALUCON, AMANAH, AMARIN, APCO, APCS, APURE, AQUA, ASEFA, ASIAN, ASK, ATP30, BA, BC, BEC, BFIT, BJCHI, BR, CBG, CGH, CHAYO, CHOTI, CI, CMC, CPL, CRD, CSP, DCC, ASAP, ASIA, ASIMAR, ASN, B, BAM, BCH, BEYOND, BJC, BLA, BROOK, CEN, CHARAN, CHG, CHOW, CIG, COLOR, CPW, CSC, CWT, DCON, DHOUSE, DOD, DOHOME, DV8, EASON, EFORL, ERW, ESSO, ESTAR, ETE, FE, FLOYD, FN, FNS, FORTH, FSS, FTE, FVC, GEL, GENCO, GJS, GYT, HEMP, HPT, HTC, HYDRO, ICN, IFS, IMH, IND, INET, INSET, INSURE, IRC, IRCP, IT, ITD*, J, JAS, JCK, JCKH, JMART, JMT, KBS, KCAR, KEX, KGI, KIAT*, KISS, KOOL, KTIS, KUMWEL, KUN, KWC, KWM, L&E, LDC, LEO, LHK, LOXLEY, LRH, LST, M, MATCH, MBAX, MEGA, META, MFCA, MGTA, MILL, MITSIB, MK, MODERN, MTI, NBC, NCAP, NCH, NETBAY, NEX, NINE, NRF, NTV, OCC, OGC, PATO, PB, PICO, PIMO, PJW, PL, PM, PMTA, PPP, PPPM, PRIME, PRIN, PRINC, PSTC, PT, QLT, RBF, RCL, RICHY, RML, ROJNA, RPC, RT, RWI, S11, SA, SAK, SALEE, SAMCO, SANKO, SAPPE, SAWAD, SCI, SCN, SCP, SE, SFLEX, SFP, SFT, SGF, SIAM, SINGER, SKE, SKN, SKR, SKY, SLP, SMIT, SMT, SNP, SO, SORKON, SPA, SPC, SPCG, SR, SRICHA, SSC, SSF, STANLY, STGT, STOWER*, STPI, SUC, SWC, SYNEX, T, TAE, TAKUNI, TBSP, TCC, TCMC, TEAM, TFG, TFI, TIGER, TITLE, TKN, TKS, TM, TMC, TMD, TMIL, TNL, TNP, TOG, TPA, TPAC, TPCS, TPS, TRITN, TRT, TSE, TVT, TWP, UEC, UMI, UOBKH, UP, UPF, UPOIC, UTP, VCOM, VL, VNT, VPO, VRANDA, WGE, WIIK, WP, XO, XPG, YUASA

Companies with Good CG Scoring

A, AI, AIE, AJ, AMC, APP, AQ, ARIN, AS, AU, B52, BEAUTY, BGT, BH, BIG, BLAND, BM, BROCK, BSBM, BSM, BYD*, CCP, CITY, CMO, CPT, CSR, EKH, EP, FMT, GLOCON*, GSC, HTECH, IHL, INGRS, JAK, JTS, KASET, KK, KWG, LEE, BTNC, CA2, CGD, CMAN, CMR, CRANE, D, EMC, F&D, GIFT, GREEN, GTB, HUMAN, IIG, INOX, JR, JUBILE, KCM, KKC, KYE, LPH, MATI, M-CHAI, MCS, MDX, MJD, MORE, MUD, NC, NDR, NFC, NNCL, NOVA, NPK, NUSA, OCEAN, PAF, PF, PK, PLE, PPM, PRAKIT, PRAPAT, PRECHA, PTL, RCI², RJH, RP, RPH, RSP, SABUY, SF, SGP, SICT, SIMAT, SISB, SK, SMART, SOLAR, SPACK, SPG, SQ, SSP, STARK, STC, SUPER, SVOA, TC, TCCC, THMUI, TNH, TNR, TOPP, TPCH, TPIPL, TPIPP, TPLAS, TPOLY, TQR, TTI, TYCN, UKEM, UMS, UNIQ, UPA, UREKA, VIBHA, W, WIN, WORK, WPH, YGG, ZIGA

Corporate Governance Report

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TIP was voluntarily delisted from the Stock Exchange of Thailand effectively on July 24, 2021

² RCI was voluntarily delisted from the Stock Exchange of Thailand, effectively on July 16, 2021

* บริษัทหรือกรรมการหรือผู้บริหารของบริษัทที่มีข่าวด้านการกากับดูแลกิจการ เช่น การกระทาผิดเกี่ยวกับหลักทรัพย์ การทุจริต คอร์รัปขัน เป็นต้น ซึ่งการใช้ข้อมูล CGR ควรตระหนักถึงข่าวดังกล่าว ประกอบด้วย

Anti-corruption Progress Indicator

Certified (ได้รับการรับรอง)

2S, 7UP, ADVANC, AF, AI, AIE, AIRA, AKP, AMA, AMANAH, AMATA, AMATAV, AP, APCS, AQUA, ARROW, AS, ASIAN, ASK, ASP, AWC, AYUD, B, BAFS, BAM, BANPU, BAY, BBL, 22, 70F, ADVANC, AF, AJ, ALE, AIRA, ARA, AM, AMANAT, AMANA SAMATA, SAMATA, AMANAT, AMA MBAX, MBK, MC, MCOT, METÁ, MFC, MFÉC, MILL, MINT, MONO, MOÓNG, MSC, MST, MTĆ, MTÍ, NATION, NBC, NEP, NÍNE, NKI, NOBLÉ, NOK, NSI, NWR, OCĆ, OGC, ÓRI, PAP, WACOAL, WHA, WHAUP, WICE, WIIK, XO, YUASA, ZEN, ZIGA

N/A

SY-BAT, A, AS, AAV, ABICO, ABM, ACAP, ACC, ACE, ACG, ADB, ADD, AEONTS, AFC, AGE, AHC, AIT, AJA, AKR, ALL, ALLA, ALPHAX, ALUCON, AMARIN, AMC, AMR, ANAN, AOT, APEX, APP, APURE, AQ, ARIN, ARIP, ASAP, ASEFA, ASIA, ASIMAR, ASN, ASW, ATP30, AU, AUCT, BA, BBGI, BBIK, BC, BCT, BDMS, BEAUTY, BEM, BFIT, BGT, BH, BIG, BIOTEC, BIS, BJC, BJCHI, BKD, BLAND, BLESS, BLISS, BM, BOL, BR, BRI, BROCK, BSM, BTNC, BTW, BUI, BYD, CAZ, CBG, CCET, CCP, CEYE, CGP, CHARAN, CHAYO, CHIC, CHO, CITY, CIVIL, CK, CKP, CMAN, CMO, CMR, CNT, COLOR, COMAN, CPANEL, CPH, CPT, CRANE, CRD, CSP, CSS, CTW, CV, CWT, D, DCON, DITTO, DMT, DOD, DPAINT, DTCI, DV8, EASON, EE, EFORL, EMC, ESSO, F&D, FANCY, FMT, FN, FORTH, FTI, FVC, GENCO, GIFT, GL, GLAND, GLOCON, GLORY, GRAMMY, GRAND, GREEN, GSC, GTB, GYT, HFT, HL, HPT, HTECH, HUMAN, HYDRO, ICN, IFEC, IHL, IIG, IMH, IND, INGRS, INSET, IP, IRCP, IT, ITD, J, JAK, JAS, JCK, JCKH, JCT, JDF, JMART, JMT, JP, JUBILE, JWD, KAMART, KC, KCC, KCM, KDH, KIAT, KISS, KK, KKC, KOOL, KTIS, KUN, KWC, KWW, KYE, LALIN, LEE, LEO, LIT, LOXLEY, LPH, LST, MACO, MANRIN, MATI, MAX, M-CHAI, MCS, MDX, MENA, METO, MGT, MICAO, MITAB, MITSIB, MJD, MK, ML, MODERN, MORE, MPIC, MUD, MVP, NC, NCH, NCL, NDR, NET, NEWS, NEX, NFC, NNCL, NFK, NSL, NTV, NV, NVD, OHTL, OISHI, ONEE, OSP, OTO, PACE, PACO, PAF, PEACE, PERM, PF, PICO, PIN, PJW, PLUS, PMTA, POLAR, POMPUI, PORT, POST, PPM, PRAKIT, PRAPAT, PRECHA, PRIME, PRIN, PRO, PROEN, PROUD, PSG, PTC, PTECH, PTL, RAM, RBF, RCL, RICHY, RJH, ROCK, ROH, ROJNA, RP, RPC, RPH, RSP, RT, S, S11, SA, SABUY, SAFARI, SALEE, SAM, SAMART, SAMCO, SAMTEL, SANKO, SAUCE, SAWAD, SAUAMAG, SCI, SCP, SDC, SE, SEAFCO, SECURE, SENAJ, SFLEX, SFP, SFT, SGF, SHANG, SHR, SIAM, SITT, STPJ, SUC, SUN, SUTHA, SVH, SUOA, SWC, SYNEX, TACC, TAPAC, TC, TCC, TCC, TCOAT, TEAM, TEAM, TEAMG, TEKA, TFM, TGPRO, TH, THANA, THE, THG, THL, THMUI, TIGER, TIPH, TITLE, TK, TKC, TLI, TM, TMC, TMD, TMW, TNDT, TNH, TNPC, TOA, TPAC, TPBI, TPCH, TPIPL, TPIPA, TPLAS, TPOLY, TPS, TQR, TR, TRC, TRITN, TRT, TRUBB, TRV, TSE, SFS, FSK, STS, STTI, SUC, SUN, 3.-BAT, A, A5, AAV, ABICO, ABM, ACAP, ACC, ACE, ACG, ADB, ADD, AEONTS, AFC, AGE, AHC, AIT, AJA, AKR, ALL, ALLA, ALPHAX, ALUCON, AMARIN, AMC, AMR, ANAN, AOT, Explanations

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