



India

HOLD (no change)

Sell 2 Consensus ratings*: Buy 26 Hold 9 Current price: Rs236 Rs240 Target price: Previous target: Rs240 Up/downside: 1.7% InCred Research / Consensus: -10.9% PLNG.NS Reuters: PLNG IN Bloombera: US\$4,774m Market cap: Rs353,400m US\$12.9m Average daily turnover: Rs958.2m Current shares o/s: 1,500.0m Free float: 50.0%

Key changes in this note

Tweaked estimates by < 1%</p>

*Source: Bloomberg



| | | Source: Bloomberg | | |
|-------------------|-----|-------------------|--------|--|
| Price performance | 1M | ЗМ | 12M | |
| Absolute (%) | 3.4 | 10.5 | 2.1 | |
| Relative (%) | 2.8 | (0.6) | (28.0) | |

| Major shareholders | % held |
|--------------------------------|--------|
| BPCL/GAIL/IOC/ONGC each | 12.5 |
| Government of Singapore | 3.8 |
| Fidelity Emerging Markets Fund | 2.2 |

Petronet LNG

Pending disputes linger

- 2QFY22 results were in line with our estimates with a revenue reversal of Rs654m offset by trading/inventory gains of Rs1.5bn.
- Disputes relating to Kochi tariffs and past take-or-pay claims have not been fully resolved.
- We maintain our Hold rating and TP of Rs240 (2.3x Sep-23F P/BV, 21.7% ROE in FY23F).

Pending disputes still unresolved

PLNG's operational earnings in 1QFY22 were in line with our estimates. Total regas volumes across both terminals were 240tbtus vs 254 (yoy) and 209 (qoq). 2Q is seasonally the best quarter for the Dahej terminal due to non operation of GAIL's Dabhol terminal during the monsoon. In 4QFY21, PLNG indicated that three customers had disputed use-or-pay charges of Rs1.98bn relating to the Dahej terminal. While it had earlier assured that this would be settled without any material adjustment, the dispute with one offtaker has been settled by taking a provision of Rs654m. PLNG has been accounting for Kochi regas tariff at Rs79/mmtbu from FY20, rising by 5% pa (so Rs87.25/mmtbu in FY22) which is disputed by its customers. PLNG has now stated that it is agreeable to lower its tariffs with retrospective effect from FY20 provided its customers were willing to commit to additional volumes on a take-or-pay basis (further details not provided).

Management commentary provided update on operations

Capex plans include two tanks at Dahej (Rs12bn, to be complete 40 months from now), jetty at Dahej (Rs17bn), raising Dahej capacity to 22.5mt (Rs10bn) and floating terminal on the east coast (Rs19bn). It expects the east coast terminal to be operational by 2025 and hence a final decision would be taken in 2022. Five LNG stations will be set up (Rs80m-100m per station) which could expand to 100-200 stations in phases depending on demand and land availability. Demand for spot cargoes was weak due to a sharp jump in spot LNG rates but will hopefully come back once prices normalize post winter. PLNG has requested Ras Gas to deliver 46 additional cargoes (to make up for the shortfall in earlier years) but management could not comment on the likely outcome. PLNG hopes to renew its existing contract for 8.5mt of LNG from Ras Gas which is expiring in CY28.

Maintain Hold with TP of Rs240

The stagnant stock price in recent years reflected valid concerns on PLNG's medium term LNG growth prospects, given the sharp increase in domestic gas production and decision of its main customers (IOC, GAIL, GSPC) to build their own terminals. The recent sharp increase in spot LNG prices is an additional headwind impacting spot LNG demand. Further, the cut in dividend payout in FY21 along with uncertainty on the level of capex will limit stock upside in our view. Any shortfall in domestic gas production will be a positive stock price trigger. Pending disputes on Kochi tariffs and take-or-pay claims not resolving in favour of PLNG would be key risks.

| Financial Summary | Mar-20A | Mar-21A | Mar-22F | Mar-23F | Mar-24F |
|-----------------------------------|---------|---------|---------|---------|---------|
| Revenue (Rsm) | 354,520 | 260,230 | 411,453 | 417,463 | 404,048 |
| Operating EBITDA (Rsm) | 39,174 | 46,996 | 46,447 | 49,112 | 52,598 |
| Net Profit (Rsm) | 27,034 | 29,392 | 29,450 | 31,373 | 34,021 |
| Core EPS (Rs) | 18.0 | 19.6 | 19.6 | 20.9 | 22.7 |
| Core EPS Growth | 21.2% | 8.7% | 0.2% | 6.5% | 8.4% |
| FD Core P/E (x) | 13.07 | 12.02 | 12.00 | 11.26 | 10.39 |
| DPS (Rs) | 12.5 | 11.5 | 10.0 | 11.0 | 12.0 |
| Dividend Yield | 5.12% | 6.37% | 4.46% | 4.07% | 4.92% |
| EV/EBITDA (x) | 8.86 | 7.08 | 6.91 | 6.43 | 6.02 |
| P/FCFE (x) | 18.81 | 10.66 | 16.73 | 26.16 | 32.89 |
| Net Gearing | (5.7%) | (17.6%) | (24.5%) | (25.3%) | (22.4%) |
| P/BV (x) | 3.18 | 2.99 | 2.68 | 2.38 | 2.14 |
| ROE | 25.3% | 25.6% | 23.6% | 22.4% | 21.7% |
| % Change In Core EPS Estimates | | | 0.94% | (0.46%) | (0.18%) |
| InCred Research/Consensus EPS (x) | | | 1.00 | 0.96 | 0.98 |

SOURCES: INCRED RESEARCH ESTIMATES, COMPANY REPORTS. PRICED AS AT 10 NOV 2021

Analyst(s)



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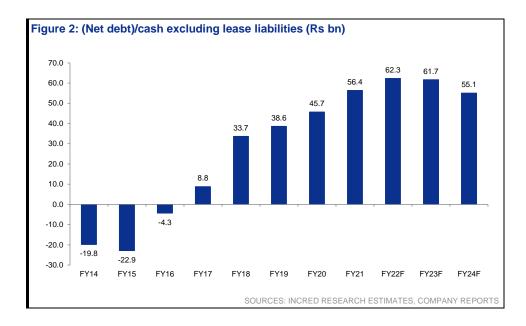


2QFY22 EBITDA of Rs12.97bn was after inventory gains of Rs280m and trading margins of Rs1.23bn. This was partly offset by a provision of Rs654m on the settlement of the take-or-pay dispute. PLNG declared an interim dividend of Rs7/sh (vs Rs8/sh in 2QFY21).

Pending disputes linger

| Year to 31 Mar | 2QFY21 | 3QFY21 | 4QFY21 | 1QFY22 | 2QFY22 | yoy | qoq |
|---|--------|--------|--------|--------|----------|------|------|
| Revenue | 62,358 | 73,282 | 75,753 | 85,979 | 1,08,131 | 73% | 26% |
| EBITDA | 13,632 | 13,353 | 10,911 | 10,515 | 12,967 | -5% | 23% |
| Interest | -850 | -815 | -813 | -800 | -794 | -7% | -1% |
| Depreciation | -1,952 | -1,925 | -2,028 | -1,916 | -1,936 | -1% | 1% |
| Other income | 1,419 | 997 | 492 | 686 | 759 | -47% | 11% |
| Exceptional items | 0 | 0 | 0 | 0 | 0 | 0% | 0% |
| Contribution from JVs/associates | 99 | 150 | 146 | 364 | 5 | -95% | -99% |
| Pre-tax profits | 12,347 | 11,759 | 8,707 | 8,849 | 11,001 | -11% | 24% |
| Tax | -3,153 | -2,939 | -2,328 | -2,148 | -2,824 | -10% | 31% |
| Net profit | 9,195 | 8,821 | 6,379 | 6,701 | 8,176 | -11% | 22% |
| Effective tax rate | 25% | 24% | 25% | 21% | 26% | | |
| EPS (Rs) | 6.13 | 5.88 | 4.25 | 4.47 | 5.45 | -11% | 22% |
| DPS (Rs) | 8.00 | | 3.50 | | 7.00 | | |
| Dahej regas volumes (tbtus) | | | | | | | |
| Long term | 103.00 | 113.00 | 102.00 | 89.00 | 102.00 | -1% | 15% |
| Spot/medium term | 5.00 | 5.00 | 5.00 | 6.00 | 6.00 | 20% | 0% |
| Pure regas | 135.00 | 104.00 | 97.00 | 99.00 | 117.00 | -13% | 18% |
| Total | 243.00 | 222.00 | 204.00 | 194.00 | 225.00 | -7% | 16% |
| Kochi regas volumes (tbtus) | | | | | | | |
| Long term | 8.00 | 8.00 | 11.00 | 11.00 | 14.00 | | |
| Spot/medium term contract | 3.00 | 2.00 | 2.00 | 2.00 | 1.00 | | |
| Pure regas | 0.00 | 3.00 | 1.00 | 2.00 | 0.00 | | |
| Total | 11.00 | 13.00 | 14.00 | 15.00 | 15.00 | 36% | 0% |
| Dahej Regas charge (Rs/mmbtu) | 51.73 | 51.73 | 54.32 | 54.32 | 54.32 | 5% | 0% |
| Regas charge for Gorgon vols (Rs/mmbtu) | 83.10 | 83.10 | 83.10 | 87.25 | 87.25 | 5% | 0% |

Our cash balance estimates are still strong though they are marginally down from our earlier estimates due to higher level of debtors related to the disputes on Kochi tariff and take-or-pay charges at Dahej.







Our volume estimates are largely based on existing contracts for the use of the Dahej and Kochi terminals, with regas tariffs rising by 5% p.a. Kochi tariffs could be revised downwards from 1 Apr 2019 in the case of higher volumes committed by offtakers on a use-or-pay basis.

| | FY20 | FY21 | FY22F | FY23F | FY24F |
|---|----------------|-----------|-----------|------------|-----------|
| EBITDA | 39,174 | 46,996 | 46,447 | 49,112 | 52,598 |
| Interest | -4,032 | -3,360 | -3,164 | -3,139 | -3,120 |
| Depreciation | -7,761 | -7,841 | -7,692 | -7,842 | -7,842 |
| Other income | 3,636 | 3,591 | 3,246 | 3,278 | 3,312 |
| Profit from joint ventures, post tax | 148 | 189 | 400 | 400 | 400 |
| Pre-tax profit | 31,164 | 39,575 | 39,237 | 41,808 | 45,348 |
| Tax (current+deferred) | -4,131 | -10,183 | -9,787 | -10,435 | -11,327 |
| Net profit | 27,034 | 29,392 | 29,450 | 31,373 | 34,021 |
| EPS (Rs) | 18.02 | 19.59 | 19.63 | 20.92 | 22.68 |
| EPS growth (%) | 21.2% | 8.7% | 0.2% | 6.5% | 8.4% |
| Effective tax rate | 13.3% | 25.9% | 25.2% | 25.2% | 25.2% |
| Key assumptions | | | | | |
| Dahej regas volumes (tbtus) | | | | | |
| Ras Gas contract | 373.00 | 360.50 | 376.00 | 376.00 | 376.00 |
| Gorgon contract | 33.00 | 35.50 | 21.00 | 0.00 | 0.00 |
| Spot/medium term | 24.83 | 18.00 | 20.00 | 20.00 | 20.00 |
| Pure regas | 454.23 | 436.00 | 420.59 | 420.59 | 420.59 |
| Total | 885.06 | 850.00 | 837.59 | 816.59 | 816.59 |
| Kochi regas volumes (tbtus) | | | | | |
| Gorgon contract | 32.00 | 35.00 | 54.00 | 70.00 | 80.00 |
| Spot/medium term contract | 7.00 | 8.00 | 7.00 | 8.00 | 8.00 |
| Pure regas | 4.00 | 4.00 | 0.00 | 0.00 | 0.00 |
| Total | 43.00 | 47.00 | 61.00 | 78.00 | 88.00 |
| Dahej Regas charge (Rs/mmbtu) | 49.89 | 52.38 | 55.00 | 57.75 | 60.64 |
| Regas charge for Gorgon/Kochi vols (Rs/mmbtu) | 79.14 | 83.10 | 87.25 | 91.61 | 96.20 |
| | SOURCES: INCRE | D RESEARC | HESTIMATE | `S COMPANY | / REPORTS |

PLNG benefits from large volume bookings at its two terminals which, in our view, will protect its earnings in the event of a sharp drop in Indian LNG demand on the back of higher domestic gas production.

| Figure 4: Firm contracts for use of regas terminals | |
|--|-----------|
| | mmt |
| Ras Gas 2004-2028 contract, offtakers GAIL:IOC:BPCL in the ratio of 60:30:10 | 7.5 |
| Capacity booked by GSPC in Jetty expansion effective Apr15 | 1.25 |
| Capacity booked by Torrent power in Dahej CY16 terminal expansion 0.5, 0.75 & 1 for 2017/18/19 | 1 |
| Capacity booked in Dahej CY16 terminal expansion: GSPC (1), GAIL (2.5), IOC (1.5) BPCL (1) | 6 |
| Total capacity booked at Dahej | 15.75 |
| Gorgon contract, offtakers GAIL:IOC:BPCL in the ratio of 30:30:40 | 1.44 |
| Total capacity booked across both terminals | 17.19 |
| SOURCES: INCRED RESEARCH, COMPAN | Y REPORTS |

| Figure 5: PLNG – change in estimates | i | | - | | | | | | |
|---|--------|--------|--------|--------|--------|--------|----------|-------|-------|
| | 0 | ld | | N | ew | | Change % | | |
| | FY22F | FY23F | FY24F | FY22F | FY23F | FY24F | FY22F | FY23F | FY24F |
| Dahej LNG volumes (tbtus) | 826.59 | 816.59 | 816.59 | 837.59 | 816.59 | 816.59 | 1.3% | 0.0% | 0.0% |
| Kochi LNG volumes (tbtus) | 61.00 | 78.00 | 88.00 | 61.00 | 78.00 | 88.00 | 0.0% | 0.0% | 0.0% |
| Regas charge for Gorgon vols (Rs/mmbtu) | 87.25 | 91.61 | 96.20 | 87.25 | 91.61 | 96.20 | 0.0% | 0.0% | 0.0% |
| EBITDA (Rs m) | 46,125 | 49,357 | 52,725 | 46,447 | 49,112 | 52,598 | 0.7% | -0.5% | -0.2% |
| Net profit (Rs m) | 29,174 | 31,520 | 34,082 | 29,450 | 31,373 | 34,021 | 0.9% | -0.5% | -0.2% |
| EPS (Rs) | 19.4 | 21.0 | 22.7 | 19.6 | 20.9 | 22.7 | 0.9% | -0.5% | -0.2% |
| SOURCES: INCRED RESEARCH ESTIMATES, COMPANY REPORTS | | | | | | | | | |







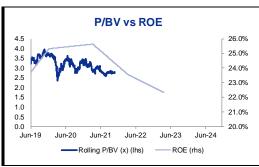
The PLNG stock price stagnated over the last few years (resultant re-rating) due to growth concerns over the medium term as high spot prices (near term) and rising domestic gas production (medium term) will limit demand for LNG. A cut in the dividend payout in FY21 will limit upside in the stock.







BY THE NUMBERS





| Profit & Loss | | | | | |
|------------------------------------|---------|----------|---------|----------|----------|
| (Rs mn) | Mar-20A | Mar-21A | Mar-22F | Mar-23F | Mar-24F |
| Total Net Revenues | 354,520 | 260,230 | 411,453 | 417,463 | 404,048 |
| Gross Profit | 49,561 | 53,415 | 53,745 | 56,737 | 60,624 |
| Operating EBITDA | 39,174 | 46,996 | 46,447 | 49,112 | 52,598 |
| Depreciation And Amortisation | (7,761) | (7,841) | (7,692) | (7,842) | (7,842) |
| Operating EBIT | 31,413 | 39,155 | 38,755 | 41,270 | 44,756 |
| Financial Income/(Expense) | (4,032) | (3,360) | (3,164) | (3,139) | (3,120) |
| Pretax Income/(Loss) from Assoc. | 148 | 189 | 400 | 400 | 400 |
| Non-Operating Income/(Expense) | 3,636 | 3,591 | 3,246 | 3,278 | 3,312 |
| Profit Before Tax (pre-EI) | 31,164 | 39,575 | 39,237 | 41,808 | 45,348 |
| Exceptional Items | | | | | |
| Pre-tax Profit | 31,164 | 39,575 | 39,237 | 41,808 | 45,348 |
| Taxation | (4,131) | (10,183) | (9,787) | (10,435) | (11,327) |
| Exceptional Income - post-tax | | | | | |
| Profit After Tax | 27,034 | 29,392 | 29,450 | 31,373 | 34,021 |
| Minority Interests | | | | | |
| Preferred Dividends | | | | | |
| FX Gain/(Loss) - post tax | | | | | |
| Other Adjustments - post-tax | | | | | |
| Net Profit | 27,034 | 29,392 | 29,450 | 31,373 | 34,021 |
| Recurring Net Profit | 27,034 | 29,392 | 29,450 | 31,373 | 34,021 |
| Fully Diluted Recurring Net Profit | 27,034 | 29,392 | 29,450 | 31,373 | 34,021 |

| Cash Flow | | | | | |
|----------------------------------|----------|----------|----------|----------|----------|
| (Rs mn) | Mar-20A | Mar-21A | Mar-22F | Mar-23F | Mar-24F |
| EBITDA | 39,174 | 46,996 | 46,447 | 49,112 | 52,598 |
| Cash Flow from Invt. & Assoc. | 3,783 | 3,780 | 3,646 | 3,678 | 3,712 |
| Change In Working Capital | (4,840) | (980) | (4,119) | (1,891) | (1,411) |
| (Incr)/Decr in Total Provisions | | | | | |
| Other Non-Cash (Income)/Expense | | | | | |
| Other Operating Cashflow | (137) | | | | |
| Net Interest (Paid)/Received | (4,032) | (3,360) | (3,164) | (3,139) | (3,120) |
| Tax Paid | (8,608) | (10,260) | (9,709) | (10,352) | (11,237) |
| Cashflow From Operations | 25,341 | 36,177 | 33,100 | 37,408 | 40,542 |
| Capex | (39,515) | 660 | (5,360) | (17,280) | (23,400) |
| Disposals Of FAs/subsidiaries | | | | | |
| Acq. Of Subsidiaries/investments | (34) | 106 | (400) | (400) | (400) |
| Other Investing Cashflow | | | | | |
| Cash Flow From Investing | (39,550) | 766 | (5,760) | (17,680) | (23,800) |
| Debt Raised/(repaid) | 32,997 | (3,801) | (6,217) | (6,217) | (5,998) |
| Proceeds From Issue Of Shares | | | | | |
| Shares Repurchased | | | | | |
| Dividends Paid | (18,083) | (22,500) | (15,750) | (14,400) | (17,400) |
| Preferred Dividends | | | | | |
| Other Financing Cashflow | | | | | |
| Cash Flow From Financing | 14,914 | (26,301) | (21,967) | (20,617) | (23,398) |
| Total Cash Generated | 705 | 10,641 | 5,374 | (889) | (6,656) |
| Free Cashflow To Equity | 18,788 | 33,141 | 21,124 | 13,511 | 10,744 |
| Free Cashflow To Firm | (10,177) | 40,303 | 30,505 | 22,867 | 19,862 |

SOURCES: INCRED RESEARCH, COMPANY REPORTS





BY THE NUMBERS...cont'd

| Balance Sheet | | | | | |
|-------------------------------------|---------|---------|---------|---------|---------|
| (Rs mn) | Mar-20A | Mar-21A | Mar-22F | Mar-23F | Mar-24F |
| Total Cash And Equivalents | 46,667 | 57,275 | 62,648 | 61,760 | 55,102 |
| Total Debtors | 16,026 | 18,745 | 22,545 | 22,875 | 22,140 |
| Inventories | 4,809 | 3,372 | 5,315 | 5,389 | 5,223 |
| Total Other Current Assets | 5,916 | 4,866 | 5,314 | 5,809 | 6,354 |
| Total Current Assets | 73,417 | 84,258 | 95,822 | 95,833 | 88,819 |
| Fixed Assets | 111,929 | 103,427 | 101,095 | 110,533 | 126,091 |
| Total Investments | 3,323 | 3,218 | 3,618 | 4,018 | 4,418 |
| Intangible Assets | | | | | |
| Total Other Non-Current Assets | | | | | |
| Total Non-current Assets | 115,252 | 106,645 | 104,713 | 114,551 | 130,508 |
| Short-term Debt | | | | | |
| Current Portion of Long-Term Debt | | | | | |
| Total Creditors | 27,916 | 26,515 | 29,040 | 28,049 | 26,280 |
| Other Current Liabilities | | | | | |
| Total Current Liabilities | 27,916 | 26,515 | 29,040 | 28,049 | 26,280 |
| Total Long-term Debt | 40,331 | 36,530 | 30,313 | 24,097 | 18,099 |
| Hybrid Debt - Debt Component | | | | | |
| Total Other Non-Current Liabilities | | | | | |
| Total Non-current Liabilities | 40,331 | 36,530 | 30,313 | 24,097 | 18,099 |
| Total Provisions | 9,213 | 9,789 | 9,414 | 9,496 | 9,586 |
| Total Liabilities | 77,460 | 72,834 | 68,767 | 61,642 | 53,965 |
| Shareholders Equity | 111,209 | 118,069 | 131,769 | 148,742 | 165,363 |
| Minority Interests | | | | | |
| Total Equity | 111,209 | 118,069 | 131,769 | 148,742 | 165,363 |

| Key Ratios | | | | | |
|---------------------------|---------|---------|---------|---------|---------|
| | Mar-20A | Mar-21A | Mar-22F | Mar-23F | Mar-24F |
| Revenue Growth | (7.7%) | (26.6%) | 58.1% | 1.5% | (3.2%) |
| Operating EBITDA Growth | 18.9% | 20.0% | (1.2%) | 5.7% | 7.1% |
| Operating EBITDA Margin | 11.0% | 18.1% | 11.3% | 11.8% | 13.0% |
| Net Cash Per Share (Rs) | 4.22 | 13.83 | 21.56 | 25.11 | 24.67 |
| BVPS (Rs) | 74.14 | 78.71 | 87.85 | 99.16 | 110.24 |
| Gross Interest Cover | 7.79 | 11.65 | 12.25 | 13.15 | 14.34 |
| Effective Tax Rate | 13.3% | 25.7% | 24.9% | 25.0% | 25.0% |
| Net Dividend Payout Ratio | 66.9% | 76.6% | 53.5% | 45.9% | 51.1% |
| Accounts Receivables Days | 15.37 | 24.38 | 18.31 | 19.86 | 20.33 |
| Inventory Days | 6.29 | 7.22 | 4.43 | 5.42 | 5.64 |
| Accounts Payables Days | 34.19 | 48.03 | 28.34 | 28.88 | 28.87 |
| ROIC (%) | 21.2% | 28.2% | 27.5% | 26.5% | 25.1% |
| ROCE (%) | 24.7% | 26.4% | 25.1% | 25.3% | 25.7% |
| Return On Average Assets | 17.6% | 16.8% | 16.3% | 16.4% | 16.9% |

SOURCES: INCRED RESEARCH, COMPANY REPORTS



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conclusion from the information presented in this report.

Gas Transmission & Dist | India Petronet LNG | November 10, 2021



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Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2021, Anti-Corruption 2021

ADVANC - Excellent, Certified, AMATA - Excellent, Certified, ANAN - Excellent, n/a, AOT - Excellent, n/a, AP - Excellent, Certified, ASP - Excellent, n/a, AWC - Excellent, Declared, AU - Good, n/a, BAM - Very Good, Certified, BAY - Excellent, Certified, BBL - Excellent, Certified, BCH - Very Good, Certified, BCP - Excellent, Certified, BCPG - Excellent, Certified, BDMS - Excellent, n/a, BEAUTY - Good, n/a, BEM - Excellent, n/a BH -Good, n/a, BJC - Very Good, n/a, BLA - Very Good, Certified, BTS - Excellent, Certified, CBG - Very Good, n/a, CCET - n/a, n/a, CENTEL -Excellent, Certified, CHAYO - Very Good, n/a, CHG - Very Good, n/a, CK - Excellent, n/a, COM7 - Excellent, Certified, CPALL - Excellent, Certified, CPF - Excellent, Certified, CPN - Excellent, Certified, CPNREIT - n/a, n/a, CRC - Excellent, Declared, DELTA - Excellent, Certified, DDD - Excellent, n/a, DIF - n/a, n/a, DOHOME - Very Good, Declared, DREIT - n/a, n/a, DTAC - Excellent, Certified, ECL - Excellent, Certified, EGCO - Excellent, Certified, EPG - Excellent, Certified, ERW - Very Good, Certified, GFPT - Excellent, Certified, GGC - Excellent, Certified, GLOBAL - Excellent, n/a, HANA - Excellent, Certified, HMPRO - Excellent, Certified, HUMAN - Good, n/a, ICHI - Excellent, Certified, III - Excellent, Declared, INTUCH -Excellent, Certified, IRPC - Excellent, Certified, ITD - Very Good, n/a, IVL - Excellent, Certified, JASIF - n/a, n/a, JKN - n/a, Certified, JMT - Very Good, n/a, KBANK - Excellent, Certified, KCE - Excellent, Certified, KEX - Very Good, Declared, KKP - Excellent, Certified, KSL - Excellent, Certified, KTB - Excellent, Certified, KTC - Excellent, Certified, LH - Excellent, n/a, LPN - Excellent, Certified, M - Very Good, Certified, MAKRO - Excellent, Certified, MC - Excellent, Certified, MEGA - Very Good, n/a, MINT - Excellent, Certified, MTC - Excellent, Certified, NETBAY - Very Good, n/a, NRF - Very Good, Declared, OR - Excellent, n/a, ORI - Excellent, Certified, OSP - Excellent, n/a, PLANB - Excellent, Certified, PRINC - Very Good, Certified, PR9 - Excellent, Declared, PSH - Excellent, Certified, PTT - Excellent, Certified, PTTEP - Excellent, n/a, PTTGC - Excellent, Certified, QH - Excellent, Certified, RAM - n/a, n/a, RBF - Very Good, n/a, RS - Excellent, Declared, RSP - Good, n/a, S - Excellent, n/a, SAK - Very Good, Declared, SAPPE - Very Good, Certified, SAWAD - Very Good, n/a, SCB - Excellent, Certified, SCC - Excellent, Certified, SCGP - Excellent, Declared, SECURE - n/a, n/a, SHR - Excellent, n/a, SIRI - Excellent, Certified, SPA - Very Good, n/a, SPALI - Excellent, Certified, SPRC - Excellent, Certified, SSP - Good, Certified, STEC - Excellent, n/a, SVI - Excellent, Certified, SYNEX - Very Good, Certified, TCAP - Excellent, Certified, THANI - Excellent, Certified, TIDLOR - n/a, Certified TISCO - Excellent, Certified, TKN - Very Good, n/a, TOP - Excellent, Certified, TRUE - Excellent, Certified, TTB - Excellent, Certified, TU - Excellent, Certified, TVO - Excellent, Certified, VGI - Excellent, Certified, WHA - Excellent, Certified. WHART - n/a, n/a, WICE - Excellent, Certified, WORK - Good, n/a.

- CG Score 2021 from Thai Institute of Directors Association (IOD)
- Companies participating in Thailand's Private Sector Collective Áction Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of August 5, 2021) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.

| Recommendation Frame | ework |
|----------------------|---|
| Stock Ratings | Definition: |
| Add | The stock's total return is expected to exceed 10% over the next 12 months. |

Hold The stock's total return is expected to be between 0% and positive 10% over the next 12 months.

Reduce The stock's total return is expected to fall below 0% or more over the next 12 months.

The total expected return of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net dividend yields of the stock. Stock price targets have an investment horizon of 12 months.

| Overweight An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recom | mendation. |
|---|-------------|
| Neutral A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation | ation. |
| Underweight An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute reco | mmendation. |

Country Ratings

Overweight

An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.

Neutral

A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.

Underweight An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.