

# Jasmine Broadband Internet Infrastructure Fund

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## JASIF

Bloomberg JASIF TB  
Reuters JASIF.BK



## 2Q19: Results on track; still in a pleasant world

**The market should be more confident that the asset acquisition will go through after JASIF issued shareholders a notice for a 2019 Extraordinary General Meeting. Apart from this, JASIF is surrounded by many positive factors, as a prime beneficiary of a low interest rate environment, a potential windfall from tax on income from mutual funds and upside to our dividend forecast in 2020F. Maintain BUY at a TP Bt13.**

**2Q19 earnings in line with consensus forecasts.** JASIF reported 2Q19 earnings of Bt1.7bn, up 6% QoQ and 15% YoY. Stripping out extra gains shows a core profit of Bt1.4bn, flat QoQ and up 1% YoY. This is in line with consensus forecast. Rental income was Bt1.5bn, flat QoQ and up 1% YoY. The YoY growth was primarily from a higher rental rate from Optical Fiber Cables. Total expense was up 4.7% YoY to Bt105mn on higher maintenance fees. Net asset value as of 2Q19 was at Bt10.8/sh. 1H19 core earnings accounted for 51% of our full-year forecast, keeping it on track to meet our full-year estimates. We therefore keep our 2019F core earnings at Bt5.4bn, flat YoY.

**Beneficiary of low interest rate environment.** Currently, 10-year Thai government bond yield is at 1.7%, down 42bps QTD to its lowest in three years. The drop is due to a weak economic outlook and expectation that the Fed will cut its policy rate. This puts the yield gap between JASIF and bond yield at 7.1% based on 2019F, still above its historical average of 5.6%, indicating an undemanding valuation. Additionally, SCBS expects bond yield to continue to stay low as a result of a weak global and domestic economic outlook. This should also help support investment in JASIF.

**Potential windfall from tax on income from mutual funds.** The government has approved a 15% withholding tax on gain from investment in income funds from zero in the past. This will result in lower return from mutual funds that invest in government bonds and debentures. This regulation takes effect on August 20 and we believe it will generate higher interest in high-yield stocks with stable returns such as JASIF.

**BUY DCF-based TP Bt13.** We like JASIF for its high dividend yield of 8.8% in 2019F, which goes up to 9.0% in 2020F after the injection of new assets. We also see upside to our dividend assumption in 2020F. Based on the latest information from JASIF, dividend per unit after acquiring additional assets in 2020F should be at least Bt1.0722/sh (implying 9.5% yield in 2020F), assuming an offering price of Bt10/sh and transaction size of Bt38bn. This is above our forecast of Bt1.02/sh. We will revisit our assumptions after obtaining greater clarity on offering price and the number of new shares to be issued.

### Forecasts and valuation

Year to 31 Dec	Unit	2017	2018	2019F	2020F	2021F
Revenue	(Btmn)	5,776	5,814	5,877	10,163	10,275
EBITDA	(Btmn)	5,416	5,424	5,402	9,413	9,475
Core profit	(Btmn)	5,443	5,455	5,402	8,644	8,803
Reported profit	(Btmn)	7,148	5,099	5,902	8,644	8,803
Core EPS	(Bt)	0.99	0.99	0.98	1.13	1.15
DPS	(Bt)	0.93	0.90	1.00	1.02	1.04
P/E, core	(x)	11.4	11.4	11.5	10.0	9.8
EPS growth, core	(%)	5.8	0.2	(1.0)	15.2	1.8
P/BV, core	(x)	1.1	1.1	1.0	1.0	1.0
ROE	(%)	9.4	9.3	9.1	12.1	10.5
Dividend yield	(%)	8.3	8.0	8.8	9.0	9.2
FCF yield	(%)	7.7	8.0	9.6	(33.1)	10.3
EV/EBIT	(x)	11.5	11.5	11.4	11.5	11.2
EBIT growth, core	(%)	5.8	0.1	(0.4)	59.9	1.6
EV/CE	(x)	1.1	1.1	1.1	1.0	1.0
ROCE	(%)	9.4	9.5	9.5	9.9	10.0
EV/EBITDA	(x)	11.5	11.5	11.4	10.5	10.3
EBITDA growth	(%)	5.7	0.1	(0.4)	74.3	0.7

Source: SCBS Investment Research

See the end of this report for disclaimer

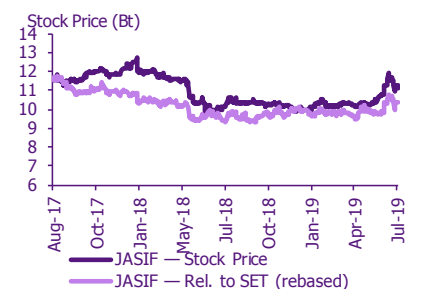
## BUY

### Stock data

Last close (Aug 5) (Bt)	11.30
12-m target price (Bt)	13.00
Upside (Downside) to TP (%)	15.04
Mkt cap (Btbn)	62.15
Mkt cap (US\$mn)	2,022

Mkt cap (%) SET	0.36
Sector % SET	2.65
Shares issued (mn)	5,500
Par value (Bt)	10
12-m high / low (Bt)	12.1 / 9.9
Avg. daily 6m (US\$mn)	5.05
Dividend policy (%)	≥ 90

### Price performance



Source: SET, SCBS Investment Research

### Share performance

(%)	1M	3M	12M
Absolute	0.0	11.9	8.7
Relative to SET	3.5	12.8	11.7

Source: SET, SCBS Investment Research

### Expected total return (ETR)

Target price	(Bt)	13.00
12-month dividend	(Bt)	1.00
Capital gain	(%)	15.04
Dividend yield	(%)	8.83
Total return	(%)	23.88

Source: SET, SCBS Investment Research

### Analyst

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## Financial statement

### Profit and Loss Statement

FY December 31	Unit	2015	2016	2017	2018	2019F	2020F	2021F
Total revenue	(Btmn)	4,377	5,442	5,776	5,814	5,877	10,163	10,275
Cost of goods sold	(Btmn)	(174)	(219)	(256)	(275)	(358)	(591)	(616)
Gross profit	(Btmn)	<b>4,203</b>	<b>5,223</b>	<b>5,520</b>	<b>5,540</b>	<b>5,519</b>	<b>9,572</b>	<b>9,659</b>
SG&A	(Btmn)	(78)	(99)	(104)	(116)	(117)	(159)	(184)
Other income	(Btmn)	31	27	27	32	0	6	29
Interest expense	(Btmn)	(68)	(6)	-	-	-	(775)	(701)
Pre-tax profit	(Btmn)	<b>4,088</b>	<b>5,145</b>	<b>5,443</b>	<b>5,455</b>	<b>5,402</b>	<b>8,644</b>	<b>8,803</b>
Corporate tax	(Btmn)	-	-	-	-	-	-	-
Equity a/c profits	(Btmn)	0	0	0	0	0	0	0
Minority interests	(Btmn)	-	-	-	-	-	-	-
Core profit	(Btmn)	<b>4,088</b>	<b>5,145</b>	<b>5,443</b>	<b>5,455</b>	<b>5,402</b>	<b>8,644</b>	<b>8,803</b>
Extra-ordinary items	(Btmn)	641	310	1,705	(356)	500	-	-
Net Profit	(Btmn)	<b>4,729</b>	<b>5,455</b>	<b>7,148</b>	<b>5,099</b>	<b>5,902</b>	<b>8,644</b>	<b>8,803</b>
EBITDA	(Btmn)	4,126	5,124	5,416	5,424	5,402	9,413	9,475
Core EPS	(Bt)	<b>0.74</b>	<b>0.94</b>	<b>0.99</b>	<b>0.99</b>	<b>0.98</b>	<b>1.13</b>	<b>1.15</b>
Net EPS	(Bt)	0.86	0.99	1.30	0.93	1.07	1.13	1.15
DPS	(Bt)	0.74	0.90	0.93	0.90	1.00	1.02	1.04

### Balance Sheet

FY December 31	Unit	2015	2016	2017	2018	2019F	2020F	2021F
Total current assets	(Btmn)	3,999	464	13	47	644	2,899	2,467
Total fixed assets	(Btmn)	55,641	55,951	57,656	57,300	57,300	95,300	95,300
Total assets	(Btmn)	<b>61,616</b>	<b>58,102</b>	<b>59,683</b>	<b>59,846</b>	<b>60,444</b>	<b>100,699</b>	<b>100,267</b>
Total loans	(Btmn)	3,850	0	0	0	0	15,500	14,024
Total current liabilities	(Btmn)	4,747	1,359	928	941	988	1,794	1,921
Total long-term liabilities	(Btmn)	0	0	0	0	0	15,500	14,024
Total liabilities	(Btmn)	<b>4,747</b>	<b>1,359</b>	<b>928</b>	<b>941</b>	<b>988</b>	<b>17,294</b>	<b>15,945</b>
Paid-up capital	(Btmn)	55,000	54,314	54,184	54,184	54,184	76,684	76,684
Total equity	(Btmn)	<b>56,869</b>	<b>56,743</b>	<b>58,755</b>	<b>58,905</b>	<b>59,455</b>	<b>83,405</b>	<b>84,322</b>
BVPS	(Bt)	<b>10.34</b>	<b>10.32</b>	<b>10.68</b>	<b>10.71</b>	<b>10.81</b>	<b>10.91</b>	<b>11.03</b>

### Cash Flow Statement

FY December 31	Unit	2015	2016	2017	2018	2019F	2020F	2021F
Core Profit	(Btmn)	4,088	5,145	5,443	5,455	5,402	8,644	8,803
Depreciation and amortization	(Btmn)	0	0	0	0	0	0	0
Operating cash flow	(Btmn)	1,156	9,439	4,986	5,440	5,448	10,212	9,606
Investing cash flow	(Btmn)	(57,002)	306	(174)	(458)	500	(38,770)	(677)
Financing cash flow	(Btmn)	55,990	(9,431)	(5,266)	(4,950)	(5,351)	30,806	(9,362)
Net cash flow	(Btmn)	<b>144</b>	<b>315</b>	<b>(454)</b>	<b>32</b>	<b>597</b>	<b>2,248</b>	<b>(433)</b>

### Key Financial Ratios

FY December 31	Unit	2015	2016	2017	2018	2019F	2020F	2021F
Gross margin	(%)	96.0	96.0	95.6	95.3	93.9	94.2	94.0
Operating margin	(%)	94.3	94.2	93.8	93.3	91.9	92.6	92.2
EBITDA margin	(%)	94.3	94.2	93.8	93.3	91.9	92.6	92.2
EBIT margin	(%)	95.0	94.6	94.2	93.8	91.9	92.7	92.5
Net profit margin	(%)	108.0	100.2	123.7	87.7	100.4	85.1	85.7
ROE	(%)	14.4	9.1	9.4	9.3	9.1	12.1	10.5
ROA	(%)	13.3	8.6	9.2	9.1	9.0	10.7	8.8
Net D/E	(%)	0.1	net cash	net cash	net cash	net cash	0.2	0.1
Interest coverage	(%)	60.4	899.7	0.0	0.0	0.0	12.1	13.5
Debt service coverage	(%)	1.1	899.7	0.0	0.0	0.0	12.1	13.5
Payout Ratio	(%)	0.0	86.1	90.7	71.8	97.1	93.0	90.0

### Main Assumptions

FY December 31	Unit	2015	2016	2017	2018	2019F	2020F	2021F
OFCs	(core km)	980,500	980,500	980,500	980,500	980,500	1,680,500	1,680,500
Rental rate for Main Lease Agreement	(Bt/core km/mth)	425.0	425.0	425.8	428.6	433.2	437.1	441.9
Rental rate for Rental Assurance Agreement	(Bt/core km/mth)	750.0	750.0	751.4	756.4	764.5	771.4	779.8
OFCs maintenance fee	(Bt/core km/mth)	200.0	206.0	212.2	218.5	225.1	231.9	238.8

## Financial statement Profit and Loss Statement

FY December 31	Unit	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Total revenue	(Btmn)	1,444	1,482	1,454	1,454	1,454	1,454	1,469	1,469
Cost of goods sold	(Btmn)	(71)	(81)	(66)	(66)	(74)	(69)	(72)	(73)
<b>Gross profit</b>	<b>(Btmn)</b>	<b>1,373</b>	<b>1,401</b>	<b>1,388</b>	<b>1,388</b>	<b>1,379</b>	<b>1,385</b>	<b>1,397</b>	<b>1,397</b>
SG&A	(Btmn)	(26)	(40)	(27)	(34)	(29)	(25)	(34)	(33)
Other income	(Btmn)	6	11	7	7	8	9	10	11
Interest expense	(Btmn)	0	0	0	0	0	0	0	0
<b>Pre-tax profit</b>	<b>(Btmn)</b>	<b>1,354</b>	<b>1,372</b>	<b>1,368</b>	<b>1,360</b>	<b>1,358</b>	<b>1,369</b>	<b>1,374</b>	<b>1,375</b>
Corporate tax	(Btmn)	0	0	0	0	0	0	0	0
Equity a/c profits	(Btmn)	0	0	0	0	0	0	0	0
Minority interests	(Btmn)	0	0	0	0	0	0	0	0
<b>Core profit</b>	<b>(Btmn)</b>	<b>1,354</b>	<b>1,372</b>	<b>1,368</b>	<b>1,360</b>	<b>1,358</b>	<b>1,369</b>	<b>1,374</b>	<b>1,375</b>
Extra-ordinary items	(Btmn)	150	(2,133)	(56)	100	(300)	(100)	200	300
<b>NET Profit</b>	<b>(Btmn)</b>	<b>1,504</b>	<b>(761)</b>	<b>1,312</b>	<b>1,460</b>	<b>1,059</b>	<b>1,269</b>	<b>1,574</b>	<b>1,675</b>
EBITDA	(Btmn)	1,354	1,372	1,368	1,360	1,358	1,369	1,374	1,375
<b>Core EPS</b>	<b>(Bt)</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>	<b>0.25</b>
Net EPS	(Bt)	0.27	(0.14)	0.24	0.27	0.19	0.23	0.29	0.30

## Balance Sheet

FY December 31	Unit	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Total current assets	(Btmn)	965	928	901	910	928	941	894	911
Total fixed assets	(Btmn)	57,728	57,656	57,600	57,700	57,400	57,300	57,500	57,800
<b>Total assets</b>	<b>(Btmn)</b>	<b>59,698</b>	<b>59,683</b>	<b>59,703</b>	<b>59,962</b>	<b>59,774</b>	<b>59,846</b>	<b>60,108</b>	<b>60,479</b>
Total loans	(Btmn)	0	0	0	0	0	0	0	0
Total current liabilities	(Btmn)	965	928	901	910	928	941	894	911
Total long-term liabilities	(Btmn)	0	0	0	0	0	0	0	0
<b>Total liabilities</b>	<b>(Btmn)</b>	<b>965</b>	<b>928</b>	<b>901</b>	<b>910</b>	<b>928</b>	<b>941</b>	<b>894</b>	<b>911</b>
Paid-up capital	(Btmn)	54,184	54,184	54,184	54,184	54,184	54,184	54,184	54,184
<b>Total equity</b>	<b>(Btmn)</b>	<b>58,732</b>	<b>58,755</b>	<b>58,802</b>	<b>59,052</b>	<b>58,845</b>	<b>58,905</b>	<b>59,213</b>	<b>59,569</b>
<b>BVPS</b>	<b>(Bt)</b>	<b>10.68</b>	<b>10.68</b>	<b>10.69</b>	<b>10.74</b>	<b>10.70</b>	<b>10.71</b>	<b>10.77</b>	<b>10.83</b>

## Cash Flow Statement

FY December 31	Unit	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Core Profit	(Btmn)	1,354	1,372	1,368	1,360	1,358	1,369	1,374	1,375
Depreciation and amortization	(Btmn)	0	0	0	0	0	0	0	0
Operating cash flow	(Btmn)	1,421	1,336	1,336	1,371	1,381	1,384	1,324	1,398
Investing cash flow	(Btmn)	(132)	(231)	(37)	(132)	(110)	(179)	(60)	(120)
Financing cash flow	(Btmn)	(1,222)	(1,185)	(1,282)	(1,225)	(1,268)	(1,207)	(1,265)	(1,271)
<b>Net cash flow</b>	<b>(Btmn)</b>	<b>67</b>	<b>(80)</b>	<b>17</b>	<b>15</b>	<b>3</b>	<b>(3)</b>	<b>(0)</b>	<b>6</b>

## Key Financial Ratios

FY December 31	Unit	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
Gross margin	(%)	95.1	94.5	95.5	95.5	94.9	95.3	95.1	95.1
Operating margin	(%)	93.3	91.8	93.6	93.1	92.9	93.6	92.8	92.8
EBITDA margin	(%)	93.7	92.6	94.1	93.6	93.4	94.2	93.5	93.6
EBIT margin	(%)	93.7	92.6	94.1	93.6	93.4	94.2	93.5	93.6
Net profit margin	(%)	104.1	(51.3)	90.2	100.4	72.8	87.3	107.1	114.0
ROE	(%)	9.2	9.3	9.3	9.3	9.2	9.3	9.3	9.3
ROA	(%)	9.1	9.2	9.2	9.1	9.1	9.2	9.2	9.1
Net D/E	(%)	net cash	net cash	net cash	net cash	net cash	net cash	net cash	net cash
Interest coverage	(%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Debt service coverage	(%)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

## Main Assumptions

	Unit	3Q17	4Q17	1Q18	2Q18	3Q18	4Q18	1Q19	2Q19
OFCs	(core km)	980,500	980,500	980,500	980,500	980,500	980,500	980,500	980,500
Rental rate for Main Lease Agreement	(Bt/core km/mth)	425.8	425.8	428.6	428.6	428.6	428.6	433.2	433.2
Rental rate for Rental Assurance Agreement	(Bt/core km/mth)	751.4	751.4	756.4	756.4	756.4	756.4	764.5	764.5
OFCs maintenance fee	(Bt/core km/mth)	212.2	212.2	218.5	218.5	218.5	218.5	225.1	225.1

Figure 1: 2Q19 results review

Unit: (Btmn)	2Q18	1Q19	2Q19	YoY%	QoQ%
Rental income	1,454	1,469	1,469	1	0
Other income	0	0	0	na.	na.
<b>Total revenue</b>	<b>1,454</b>	<b>1,469</b>	<b>1,469</b>	<b>1</b>	<b>0</b>
Cost of sales	(66)	(72)	(73)	10	1
<b>Gross profit</b>	<b>1,388</b>	<b>1,397</b>	<b>1,397</b>	<b>1</b>	<b>0</b>
SG&A	(34)	(34)	(33)	(5)	(3)
<b>Operating profit</b>	<b>1,353</b>	<b>1,363</b>	<b>1,364</b>	<b>1</b>	<b>0</b>
Interest income	7	10	11	65	8
Interest expense	0	0	0	na.	na.
<b>EBT</b>	<b>1,360</b>	<b>1,374</b>	<b>1,375</b>	<b>1</b>	<b>0</b>
Income tax	0	0	0	na.	na.
Minority interests	0	0	0	na.	na.
<b>Core profit</b>	<b>1,360</b>	<b>1,374</b>	<b>1,375</b>	<b>1</b>	<b>0</b>
Extra items	100	200	300	200	50
<b>Net income</b>	<b>1,460</b>	<b>1,574</b>	<b>1,675</b>	<b>15</b>	<b>6</b>
<b>EPS (Bt)</b>	<b>0.27</b>	<b>0.29</b>	<b>0.30</b>	<b>15</b>	<b>6</b>

**Ratio Analysis**

Gross margin (%)	95.5	95.1	95.1
SGA/Total revenue (%)	2.4	2.3	2.2
Operating profit margin (%)	93.1	92.8	92.8
Net profit margin (%)	100.4	107.1	114.0

Source: SCBS Investment Research, JASIF

Figure 2: Valuation summary (price as of Aug 5, 2019)

	Price (Bt)	Mkt Cap (Btm)	PE (x)			EPS Growth (%)			PBV (x)			Div. Yield (%)			ROE (%)			EV/EBITDA (x)		
			19F	20F	21F	19F	20F	21F	19F	20F	21F	19F	20F	21F	19F	20F	21F	19F	20F	21F
DIF *	17.4	167,700	16.6	16.3	16.2	19.5	1.5	0.7	1.1	1.1	1.1	6.0	6.0	6.0	6.7	6.8	6.9	17.4	16.0	15.9
JASIF *	11.3	62,150	11.5	10.0	9.8	(1.0)	15.2	1.8	1.0	1.0	1.0	8.8	9.0	9.2	9.1	12.1	10.5	11.4	10.5	10.3
BTSGIF	11.0	63,668	14.1	13.0	11.1	6.9	8.1	18.0	1.0	1.1	1.1	7.3	6.2	7.0	7.1	6.8	8.9	13.7	12.8	11.4
CPNREIT	33.0	73,012	19.5	18.3	17.5	(2.1)	6.5	4.8	2.4	2.4	na	5.0	5.2	5.7	12.6	13.2	14.1	22.1	21.1	20.8
EGATIF	13.2	27,529	29.3	30.0	32.2	(53.9)	(2.2)	(6.8)	1.3	1.4	1.5	6.1	3.3	3.2	4.4	4.5	4.4	29.3	29.9	32.1
IMPACT	24.4	36,173	26.0	25.2	24.0	15.8	3.0	5.2	2.2	2.2	2.2	3.7	3.8	4.0	8.7	8.8	9.3	25.2	25.9	24.2
SPF	23.4	22,230	15.8	15.5	14.6	5.8	1.7	6.0	na	na	na	6.1	6.2	5.6	11.7	12.1	12.6	15.6	15.0	14.4
WHART	16.8	37,774	24.1	22.9	23.5	6.4	5.2	(2.5)	1.7	1.7	1.7	4.4	4.5	4.4	7.0	7.6	7.3	26.1	23.3	21.5
			<b>19.6</b>	<b>18.9</b>	<b>18.6</b>	<b>(0.3)</b>	<b>4.9</b>	<b>3.4</b>	<b>1.5</b>	<b>1.6</b>	<b>1.4</b>	<b>5.9</b>	<b>5.5</b>	<b>5.6</b>	<b>8.4</b>	<b>9.0</b>	<b>9.3</b>	<b>20.1</b>	<b>19.3</b>	<b>18.8</b>

Source: SCBS Investment Research, Bloomberg

\* SCBS estimates

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**CG Rating 2018 Companies with CG Rating**

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ADVANC, AKP, AMATA, AMATAV, ANAN, AOT, AP, BAFS, BANPU, BAY, BCP, BCPG, BRR, BTS, BWG, CFRESH, CHO, CK, CKP, CM, CNT, COL, CPF, CPI, CPN, CSL, CSS, DELTA, DEMCO, DRT, DTAC, DTC, EA, EASTW, EGCO, GC, GEL, GFPT, GGC\*, GOLD, GPSC, GRAMMY, GUNKUL, HANA, HMPRO, ICC, ICHI, INTUCH, IRPC, IVL, JSP, KBANK, KCE, KKP, KSL, KTB, KTC, LHFG, LIT, LPN, MAKRO, MBK, MCOT, MINT, MONO, MTC, NCL, NKI, NVD, NYT, OISHI, OTO, PCSGH, PDJ, PG, PHOL, PLANB, PLANET, PPS, PRG, PSH, PSL, PTG, PTT, PTTEP, PTTGC, PYLON, Q-CON, QH, QTC, RATCH, ROBINS, S & J, SABINA, SAMART, SAMTEL, SAT, SC, SCB, SCC, SCCC, SDC, SE-ED, SIS, SITHAI, SNC, SPALI, SPRC, SSSC, STEC, SVI, SYNTEC, TASCOS, TCAP, THAI, THANA, THANI, THCOM, THIP, THREL, TIP, TISCO, TKT, TMB, TNDT, TOP, TRC, TRU, TRUE, TSC, TSTH, TTCL, TU, TVD, UAC, UV, VGI, VIH, WACOAL, WAVE, WHA, WINNER

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2S, AAV, ACAP, AGE, AH, AHC, AIRA, AIT, AKR, ALLA, ALT, AMA, AMANAH, APCO, AQUA, ARIP, ARROW, ASIA, ASIMAR, ASK, ASN, ASP, ATP30, AU, AUCT, AYUD, BA, BBL, BDMS, BEC, BEM, BFIT, BGRIM, BIZ, BJC, BJCHI, BLA, BOL, BPP, BROOK, BTW, CBG, CEN, CENTEL, CGH, CHEWA, CHG, CHOW, CI, CIMBT, CNS, COM7, COMAN, CPALL, CSC, CSP, DCC, DCORP, DDD, EASON, ECF, ECL, EE, EPG, ERW, ETE, FN, FNS, FORTH, FPI, FSMART, FVC, GBX, GCAP, GLOBAL, GLOW, GULF, HARN, HPT, HTC, HYDRO, ICN, ILINK, INET, IRC, ITD\*, JAS, JCKH, JKN, JWD, K, KBS, KCAR, KGI, KKC, KOOL, KTIS, L&E, LANNA, LDC, LH, LHK, LOXLEY, LRH, LST, M, MACO, MAJOR, MALEE, MBKET, MC, MEGA, METCO, MFC, MFEC, MK, MOONG, MSC, MTI, NCH, NEP, NINE, NOBLE, NOK, NSI, NTV, NWR, OCC, OGC, ORI, PAP, PATO, PB, PDI, PJW, PLAT, PM, PORT, PPP, PREB, PRECHA, PRINC, PRM, PT, QLT, RICHY, RML, RS, RWI, S, S11, SALEE, SANKO, SAWAD, SCG, SCI, SCN, SE, SEAFCO, SEAOLIL, SELIC, SENA, SFP, SIAM, SINGER, SIRI, SKE, SMK, SMP, SMT, SNP, SORKON, SPC, SPI, NEX, SPVI, SR, SSF, SST, STA, SUC, SUSCO, SUTHA, SWC, SYMC, SYNEX, TACC, TAE, TAKUNI, TBSP, TCC, TEAM, TFG, TFMAMA, THRE, TICON, TIPCO, TK, TKN, TKS, TM, TMC, TMI, TMILL, TMT, TNITY, TNL, TNP, TNR, TOA, TOG, TPA, TPAC, TPBI, TPCORP, TRITN, TRT, TSE, TSR, TSTE, TTA, TTW, TVI, TVO, TWP, TWPC, U, UMI, UOBKH, UP, UPF, UPOIC, UT, UWC, VNT, WHAUP, WICE, WIIK, XO, YUASA, ZMICO

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7UP, ABICO, ABM, AEC, AEONTS, AF, AJ, ALUCON, AMARIN, AMC, AS, ASAP, ASEFA, ASIAN, BCH, BEAUTY, BGT, BH, BIG, BLAND, BM, BR, BROCK, BSBM, BTNC, CCET, CCP, CGD, CHARAN, CHAYO, CITY, CMO, CMR, COLOR, CPL, CPT, CRD, CSR, CTW, CWT, D, DCON, B52, DIMET, EKH, EMC, EPCO, ESSO, ESTAR, FE, FLOYD, PROUD, FSS, FTE, GENCO, GIFT, GJS, GLAND, GPI, GREEN, GTB, GYT, HTECH, IFS, IHL, III, INOX, INSURE, IRCP, IT, ITEL, J, JCK, JMART, JMT, JTS, JUBILE, KASET, KCM, KIAT, KWC, KWG, KYE, LALIN, LEE, LPH, MATCH, MATI, MBAX, M-CHAI, MDX, META, MILL, MJD, MM, MODERN, MPG, NC, NDR, NETBAY, NNCL, NPK, OCEAN, PAF, PDG, PF, PICO, PIMO, PK, PL, PLE, PMTA, PPPM, PRIN, PSTC, PTL, RCI, RCL, RJH, ROJNA, RPC, RPH, SAMCO, SAPPE, SCP, SF, SGF, SGP, SKN, SKR, SKY, SLP, SMIT, SOLAR, SPA, SPCG, SPG, SQ, SRICHA, SSC, SSP, STANLY, STPI, SUN, SUPER, SVOA, T, TCCC, TCMC, THE, THG, THMUI, SEG, TITLE, TIW, TMD, TOPP, TPCH, TPIPP, TPOLY, TTI, TVT, TYCN, UEC, UMS, UNIQ, VCOM, VIBHA, VPO, WIN, WORK, WP, WPH, ZIGA

**Corporate Governance Report**

The disclosure of the survey result of the Thai Institute of Directors Association ("IOD") regarding corporate governance is made pursuant to the policy of the Office of the Securities and Exchange Commission. The survey of the IOD is based on the information of a company listed on the Stock Exchange of Thailand and the Market for Alternative Investment disclosed to the public and able to be accessed by a general public investor. The result, therefore, is from the perspective of a third party. It is not an evaluation of operation and is not based on inside information.

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. SCB Securities Company Limited does not conform nor certify the accuracy of such survey result.

To recognize well performers, the list of companies attaining "Good", "Very Good" and "Excellent" levels of recognition

(Not including listed companies qualified in the "no announcement of the results" clause from 1 January 2017 to 19 October 2018) is publicized.

CSL was voluntarily delisted from the Stock Exchange of Thailand effectively on July 26, 2018

\* บริษัทหรือกรรมการหรือผู้บริหารของบริษัทที่มีชาวต่างชาติกำกับดูแลกิจการ เช่น การกระทำผิดเกี่ยวกับหลักทรัพย์ การทุจริต คอร์รัปชัน เป็นต้น ซึ่งการใช้ข้อมูล CGR ควรตระหนักถึงข้อจำกัดกล่าวประกอบด้วย

**Anti-corruption Progress Indicator**

**Certified (ได้รับการรับรอง)**

ADVANC, AKP, AMANAH, AP, APCO, ASK, ASP, AYUD, BAFS, BANPU, BAY, BBL, BCH, BCP, BCPG, BGRIM, BJCHI, BKI, BLA, BROOK, BRR, BSBM, BTS, BWG, CENTEL, CFRESH, CHEWA, CIG, CM, CNS, COM7, CPALL, CPF, CPI, CPN, CSC, DCC, DEMCO, DIMET, DRT, DTAC, DTC, EASTW, ECL, EGCO, EPCO, FE, FNS, FPT, FSS, GBX, GC, GCAP, GEL, GFPT, GGC, GJS, GLOW, GOLD, GPSC, GSTEEL, GUNKUL, HANA, HARN, HMPRO, HTC, ICC, IFEC, IFS, INET, INTUCH, IRPC, IVL, K, KASET, KBANK, KBS, KCAR, KCE, KGI, KKP, KSL, KTB, KTC, KWC, L&E, LANNA, LHFG, LHK, LPN, M, MAKRO, MALEE, MBAX, MBK, MBKET, MC, MCOT, MFC, MINT, MONO, MOONG, MSC, MTI, NBC, NINE, NKI, NMG, NNCL, NSI, OCC, OCEAN, OGC, PATO, PB, PCSGH, PDG, PDI, PDJ, PE, PG, PHOL, PL, PLANET, PLAT, PM, PPP, PPPM, PPS, PREB, PRG, PRINC, PSH, PSTC, PT, PTG, PTT, PTTEP, PTTGC, Q-CON, QH, QLT, RATCH, RML, ROBINS, S & J, SABINA, SAT, SC, SCB, SCC, SCCC, SCG, SCN, SE-ED, SELIC, SENA, SGP, SINGER, SIRI, SIS, SITHAI, SMIT, SMK, SMP, SNC, SNP, SORKON, SPACK, SPC, SPI, SPRC, SRICHA, SSF, SSI, SSSC, STA, SUSCO, SVI, SYNTEC, TAE, TASCOS, TCAP, TCMC, TFG, TFI, TFMAMA, THANI, THCOM, THRE, THREL, TIP, TIPCO, TISCO, TKT, TMB, TMD, TMILL, TMT, TNITY, TNL, TNP, TOG, TOP, TPA, TPCORP, TRU, TRUE, TSC, TSTH, TTCL, TU, TVD, TVI, TWPC, U, UBIS, UOBKH, VGI, VNT, WACOAL, WHA, WICE, WIIK

**Declared (ประกาศเจตนาสมัคร)**

A, ABICO, AIE, AJ, AMATA, AMATAV, ANAN, AOT, APCO, ARROW, ASIAN, B, BJC, BLAND, BLISS, BM, BPP, BR, BUI, CEN, CGH, CHG, CHO, CHOTI, CI, CIMBT, CITY, COL, CPR, DDD, EFORL, EKH, ESTAR, ETE, FLOYD, FN, FPI, FTE, GPI, ICHI, ILINK, INSURE, IRC, ITEL, JAS, JTS, KWG, LDC, LEE, LIT, LRH, MATCH, MATI, META, MFEC, MILL, MTC, NCL, NEP, NWR, ORI, PAP, PK, PLANB, POST, PRM, PRO, PSL, PYLON, QTC, ROJNA, RWI, SAPPE, SCI, SHANG, SPALI, SST, STANLY, SUPER, SWC, SYMC, SYNEX, TAKUNI, THE, THIP, TKN, TMC, TNR, TOPP, TPP, TRITN, TTI, TVO, UEC, UKEM, UP, UREKA, UV, UWC, VIH, XO, YUASA

N/A

2S, 7UP, AAV, ABM, ACAP, ACC, ACG, ADAM, ADB, AEC, AEONTS, AF, AFC, AGE, AH, AHC, AI, AIRA, AIT, AJA, AKR, ALL, ALLA, ALT, ALUCON, AMA, AMARIN, AMC, APEX, APURE, AQ, AQUA, ARIN, ARIP, AS, ASAP, ASEFA, ASIA, ASIMAR, ASN, ATP30, AU, AUCT, BA, BAT-3K, BCT, BDMS, BEAUTY, BEC, BEM, BFIT, BGC, BGT, BH, BIG, BIZ, BKD, BOL, BROCK, BSM, BTNC, BTW, CAZ, CBG, CCET, CCP, CGD, CHARAN, CHAYO, CHOW, CHUO, CK, CKP, CMAN, CMC, CMO, CMR, CNT, COLOR, COMAN, COTTO, CPH, CPL, CPT, CRANE, CRD, CSP, CSR, CSS, CTW, CWT, D, DCON, DCORP, DELTA, B52, DOD, DOHOME, DTCL, EA, EARTH, EASON, ECF, EE, EIC, EMC, EPG, ERW, ESSO, EVER, F&D, FANCY, PRIME, FMT, PROUD, FORTH, FSMART, FVC, GENCO, GIFT, GL, GLAND, GLOBAL, GRAMMY, GRAND, GREEN, GSC, GTB, GULF, HFT, HPT, HTECH, HUMAN, HYDRO, ICN, IHL, III, ILM, INGRS, INOX, IRCP, IT, ITD, J, JCK, JCKH, JCT, JKN, JMART, JMT, JSP, JUBILE, JUTHA, JWD, KAMART, KC, KCM, KDH, KIAT, KKC, KOOL, KTECH, KTIS, KUMWEL, KWM, KYE, LALIN, LH, LOXLEY, LPH, LST, MACO, MAJOR, MANRIN, MAX, M-CHAI, MCS, MDX, MEGA, METCO, MGT, MIDA, MITSIB, MJD, MK, ML, MM, MODERN, MORE, MPG, MPIC, MVP, NC, NCH, NDR, NER, NETBAY, NEW, NEWS, NFC, NOBLE, NOK, NPK, NPPG, NTV, NUSA, NVD, NYT, OHTL, OISHI, OSP, OTO, PACE, PAE, PAF, PERM, PF, PICO, PIMO, PJW, PLE, PMTA, POLAR, POMPUI, PORT, PPM, PR9, PRAKIT, PRECHA, PRIN, PTL, RAM, RCI, RCL, RICH, RICHY, RJH, ROCK, ROH, RP, RPC, RPH, RS, RSP, S, S11, SAAM, SAFARI, SALEE, SAM, SAMART, SAMCO, SAMTEL, SANKO, SAUCE, SAWAD, SAWANG, SCP, SDC, SE, SEAFCO, SEAOLIL, SF, SFP, SGF, SIAM, SIMAT, SISB, SKE, SKN, SKR, SKY, SLP, PLANET, STARK, SMT, SOLAR, SONIC, SPA, SPCG, SPG, SPORT, NEX, SPVI, SQ, SR, SSC, SSP, STAR, STEC, STHAI, STI, STPI, SUC, SUN, SUTHA, SVH, SVOA, T, TACC, TAPAC, TBSP, TC, TCC, TCCC, TCJ, TCOAT, TEAM, TEAMG, TGPRO, TH, THAI, THANA, THG, THL, THMUI, SEG, TIGER, TITLE, TIW, TK, TKS, TM, TMI, TMW, TNDT, TNH, TNPC, TOA, TPAC, TPBI, TPCH, TPIPL, TPIPP, TPLAS, TPOLY, TQM, TR, TRC, TRT, TRUBB, TSE, TSF, TSI, TSR, TSTE, TTA, TTT, TTW, TVT, TWP, TWZ, TYCN, UAC, UMI, UMS, UNIQ, UP, UPF, UPOIC, UT, UTP, UVAN, VARO, VCOM, VI, VIBHA, VL, VNG, VPO, VRANDA, WAVE, WG, WHAUP, WIN, WINNER, WORK, WORLD, WP, WPH, WR, YCI, ZEN, ZIGA, ZMICO

**Explanations**

Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of November 30, 2018) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.