

Thailand Company Update

10 September 2024

PTT Exploration & Production (PTTEP TB)

Resilient Outlook Despite Oil Price Dip; Keep BUY

- Keep BUY, with new THB171 TP from THB180, 19% upside and c.7% yield. Following PTT Exploration & Production's share price drop alongside weaker crude oil prices, we believe further downside is limited. We expect oil prices to rebound, supported by OPEC+ production cuts and demand recovery from US Federal Funds Rate (FRR) easing. With Brent oil prices likely averaging USD80/bbl through 2025 and 2-5% annual sales growth, PTTEP's earnings outlook remains solid from 2025. The stock remains attractive due to its inexpensive valuation and strong dividend yields of 6.2-6.7% for FY24F-26F.
- Demand concerns weighing on oil prices. After hovering above USD80/bbl in 1H24, Brent crude oil prices recently fell to an 11-month low of USD72/bbl, dragged by weak economic data from the US and China. China's manufacturing Purchasing Managers Index (PMI) dropped to 49.1 in August, marking six consecutive months of contraction, while the US PMI improved slightly to 47.2 but remained in contraction for the fifth straight month. Despite reduced output from Libya due to factional conflicts and OPEC+ delaying a 180,000bpd production increase until December, oil prices continued to decline.
- OPEC+ support and FFR easing to act positive. We have revised our Brent crude oil price forecasts for 2024-2025 to USD82 and USD80/bbl (from USD88 and USD83) following the underperformance in 3Q24. The downward trend is driven by concerns over persistent demand weakness, especially in China, Europe, and the US. While we expect a recovery supported by extended OPEC+ production cuts and potential demand improvement as FFR eases, downside risks remain if the global economic outlook underperforms. Therefore, we conservatively assume Brent will average USD80/bbl through to the end of 2025.
- Trim earnings factoring in the oil price weakness. We have revised down our FY24F-25F recurring profit by 11% and 2% to reflect lower oil price assumptions. PTTEP's earnings are expected to dip QoQ in 3Q24, with sales volume projected to decline 5% QoQ to 484kboed due to seasonality in crude loads, and an 8% drop in oil prices QTD impacting ASP. However, the 4Q24 outlook remains positive, with sales volume expected to rebound to a record 540kboed (+12% QoQ), and oil prices projected to stabilise at USD80/bbl. FY25-26 earnings are also forecasted to pick up, supported by 5% and 2% sales growth.
- Still attractive. Based on the earnings downgrade, our TP is lowered to THB171 (from THB180), based on DCF-based fair value of THB168 and 2% ESG premium. We see the stock as still attractive from its inexpensive valuation (2025F P/BV of 1.0x, P/E of 7.9x) vs historical averages. Strong dividend yields of 6.2-6.7% for FY24F-26F add appeal to income-oriented investors.

Forecasts and Valuation	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-26F
Total turnover (THBm)	331,350	300,694	296,959	295,266	292,736
Recurring net profit (THBm)	79,092	78,659	70,572	72,740	74,057
Recurring net profit growth (%)	96.9	(0.5)	(10.3)	3.1	1.8
Recurring P/E (x)	7.23	7.27	8.10	7.86	7.72
P/B (x)	1.3	1.2	1.1	1.0	1.0
P/CF (x)	3.47	3.77	3.21	3.27	2.94
Dividend Yield (%)	5.0	6.4	6.7	6.2	6.4
EV/EBITDA (x)	2.13	2.26	2.32	2.40	2.39
Return on average equity (%)	16.9	16.8	14.3	13.8	13.1
Net debt to equity (%)	net cash	net cash	net cash	1.2	4.4

Source: Company data, RHB

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Buy (Maintained)

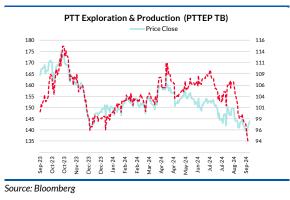
Target Price (Return):	THB171 (+19%)
Price (Market Cap):	THB144 (USD17,043m)
ESG score:	3.3 (out of 4)
Avg Daily Turnover (THB/USD)	1,069m/29.8m

Analyst

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Share Performance (%)

	YTD	1m	3m	6m	12m
Absolute	(3.7)	(3.7)	(5.6)	(5.6)	(14.0)
Relative	(4.5)	(13.8)	(12.7)	(8.6)	(6.3)
52-wk Price low	r/high (1	THB)		13	8 - 175



Overall ESG Score: 3.3 (out of 4)

E: GOOD

Being dependent on the O&G business, PTTEP has the highest exposure to this ESG pillar. However, it aims to achieve more environmental operations such as increasing the usage of green suppliers. PTTEP has various initiatives in place to monitor and minimise its environmental externalities

S: EXCELLENT

PTTEP applies PTT's and international standards per those specified by Dow Jones Sustainability Indices and the United Nations Sustainable Development Goals. It also conducts social responsibility activities based on three principles: i) Activities linked to its mission and operations, ii) using its own expertise and potential, and iii) engaging in projects that are suitable for society's needs

G: EXCELLENT

PTTEP follows the guidance of PTT, whose corporate governance score from the Thai Institute of Directors is among the highest in the country. Its disclosure policy is in compliance with regulations set by the SET. As it is a listed energy company, PTTEP also discloses important information broadly and promptly to stakeholders



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Energy & Petrochemicals **PTT Exploration & Production**

Asia Thailand

PTTEP TB Buy

Valuation basis DCF

Key drivers

Key risks

sector.

Crude oil price volatility

Company Profile

Financial Exhibits

i. Crude oil price increases;

ii. Positive effect of a change in the USD/THB rate.

PTT Exploration & Production is a government arm specialising in O&G exploration. Established in 1985, PTTEP focuses on petroleum exploration and production both domestically and internationally. The company has a strong presence in South-East Asia and the Middle East, and is committed to sustainable development and technological innovation in the energy

Financial summary (THB)	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-2
Recurring EPS	19.92	19.81	17.78	18.32	18.
DPS	7.25	9.25	9.66	8.89	9.
BVPS	110.44	119.99	128.11	137.54	147.0
Return on average equity (%)	16.9	16.8	14.3	13.8	13
Valuation metrics	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-2
Recurring P/E (x)	7.23	7.27	8.10	7.86	7.7
P/B (x)	1.3	1.2	1.1	1.0	1
FCF Yield (%)	18.0	13.1	5.0	(0.1)	- 5
Dividend Yield (%)	5.0	6.4	6.7	6.2	6
EV/EBITDA (x)	2.13	2.26	2.32	2.40	2.3
EV/EBIT (x)	3.18	3.52	4.05	4.40	4.6
	D 00	D 00	D 045	B 055	
Income statement (THBm)	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-2
Total turnover	331,350	300,694	296,959	295,266	292,73
Gross profit	182,401	157,768	142,342	141,986	139,46
EBITDA	252,168	227,142	226,130	236,449	244,60
Depreciation and amortisation	(83,168)	(81,322)	(96,521)	(107,750)	(118,38
Operating profit	169,000	145,820	129,609	128,699	126,22
Net interest	(6,652)	(4,939)	(4,011)	(3,732)	(3,28
Pre-tax profit	143,197	140,408	127,089	126,474	124,46
Taxation	(72,295)	(63,704)	(56,519)	(53,736)	(50,40
Reported net profit	70,902	76,706	70,572	72,740	74,05
Recurring net profit	79,092	78,659	70,572	72,740	74,05
Cash flow (THBm)	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-2
Change in working capital	(11,842)	(31,196)	12,066	(806)	(11
Cash flow from operations	164,925	151,831	178,295	174,972	194,43
Capex	(61,755)	(76,751)	(149,765)	(175,446)	(165,12
Cash flow from investing activities	(58,760)	(82,447)	(156,566)	(181,946)	(170,94
Dividends paid	(28,670)	(36,720)	(38,353)	(35,286)	(36,37
Cash flow from financing activities	(70,078)	(51,396)	(39,149)	(43,580)	(43,74
Cash at beginning of period	85,528	122,324	137,542	127,094	80,50
Net change in cash	36,088	17,988	(17,420)	(50,554)	(20,25
Ending balance cash	122,324	137,542	127,095	80,509	57,39
Balance sheet (THBm)	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-2
Total cash and equivalents	122,324	144,387	127,094	80,508	57,39
Tangible fixed assets	444,302	468,981	527,225	599,921	651,65
Total investments	9,609	9,783	10,968	12,093	13,04
Total assets	869,864	902,821	949,935	983,528	1,018,53
Total long-term debt	97,095	95,320	91,022	87,369	84,26
Total liabilities	402,744	403,378	418,275	414,417	411,74
Total equity	467,121	499,443	531,660	569,111	606,79
Total liabilities & equity	869,864	902,821	949,935	983,528	1,018,53
Key metrics	Dec-22	Dec-23	Dec-24F	Dec-25F	Dec-2
Revenue growth (%)	51.3	(9.3)	(1.2)	(0.6)	(0
Recurrent EPS growth (%)	96.9	(0.5)	(10.3)	3.1	1
Gross margin (%)	55.0	52.5	47.9	48.1	47
Operating EBITDA margin (%)	76.1	75.5	76.1	80.1	83
	21.4	25.5	23.8	24.6	25
Net profit margin (%)					
Net profit margin (%) Dividend payout ratio (%)	40.6	47.9	54.3	48.5	49
	40.6 18.6	47.9 25.5	54.3 50.4	48.5 59.4	49 56

Source: Company data, RHB



Crude Oil Price Forecasts

We have lowered our Brent crude oil price forecasts for 2024-2025 to USD82 and USD80 per bbl (from USD88 and USD83) following the weaker-than-expected performance in 3Q24, driven by concerns over demand weakness in China, Europe, and the US. While we expect a recovery, downside risks remain if the global economic outlook underperforms. PTTEP's liquid selling price typically comes at a 5-7% discount to Brent, so we conservatively forecast prices of USD76 per bbl in 2024 and USD74 per bbl in 2025.

OPEC's Aug 2024 report marginally trimmed global oil demand growth by 0.1 mbpd to 2.1 mbpd YoY, bringing total demand to 104.4 mbpd for 2024F, based on global GDP growth of 2.9% YoY. Other agencies, such as US Energy Information Administration (EIA) and International Energy Agency (IEA), have also made slight downward revisions but still project positive growth of 1.0-1.1 mbpd for this year. Non-OECD regions, led by China, India, the Middle East, and Asia, are expected to drive the highest demand growth of 1.7 mbpd in 2025.

OPEC+ has extended its production cuts. OPEC+ has announced an extension of its current oil production cuts of 2.2 mbpd through November, with plans to gradually phase out the cuts by Nov 2025. This decision comes as crude and fuel prices continue to slump. The coalition had previously extended these cuts in June, aiming to stabilise prices. For over two years, OPEC+ has been reducing output to avoid a supply surplus that could negatively impact oildependent economies. We believe the cartel will prioritise supporting the oil market when necessary.

	2021	2022	2023	1Q24	2Q24	3Q24F	4Q24F	2024F	1Q25F	2Q25F	3Q25F	4Q25F	2025F
Crude oil price (USD/bbl)													
Brent, RHB (new)	71	99	82	82	85	80	80	82	80	80	80	80	80
Brent, RHB (old)	71	99	82	82	85	91	92	88	85	85	80	80	83
PTTEP Liquid sales price, RHB (new)	67	95	79	79	81	74	74	76	74	74	74	74	74
PTTEP liquid sales price, RHB (old)	67	95	79	79	81	83	83	82	79	79	74	74	77
World oil demand and Sup	ply baland	e (mbpd)											
Total demand	97.2	99.7	102.2	103.1	103.7	104.8	105.6	104.3	104.9	105.4	106.8	107.3	106.1
YoY change	5.9	2.5	2.6	2.0	1.9	2.5	2.1	2.1	1.8	1.7	2.0	1.7	1.8
Total non-DOC*	47.7	49.4	51.8	52.6	53.0	52.9	53.4	53.0	53.9	53.8	54.1	54.6	54.1
DOC NGLs	7.6	8.0	8.2	8.4	8.3	8.3	8.3	8.3	8.4	8.4	8.3	8.4	8.4
Total non-DOC and DOC NGLs	55.3	57.4	60.0	61.0	61.3	61.2	61.7	61.3	62.3	62.2	62.4	63.0	62.5
YoY change	0.6	2.1	2.6	1.9	2.0	1.1	0.4	1.4	1.3	0.9	1.1	1.2	1.1
OPEC	25.2	27.7	27.0	26.6	28.3	27.6	27.4	27.5	27.4	28.5	28.8	28.8	28.4
Non-OPEC DOC crude production	15.0	15.1	15.0	14.7	14.3	15.0	15.1	14.8	15.1	15.2	15.3	15.4	15.3
Total production	95.5	100.2	102.0	102.3	103.9	103.8	104.2	103.5	104.8	105.9	106.5	107.2	106.1
Balance	-1.6	0.6	-0.2	-0.9	-1.5	1.0	1.4	0.8	0.1	-0.5	0.3	0.1	0.0

Figure 1: Demand, supply and crude oil prices forecasts

Note: Data as at Aug 2024. *Declaration of Cooperation (DOC) refers to OPEC+

Source: OPEC, RHB

Figure 2: Key assumptions

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Sales volume (kboed)	351	355	416	468	462	501	527	538
- Liquid	102	118	119	129	131	135	148	145
- Gas	249	236	297	339	331	366	379	393
Average selling price -ASP (USD/boe)	47.2	38.4	43.5	53.4	48.2	45.9	44.1	43.7
- Liquid	61.2	41.6	66.7	94.9	79.1	76.3	73.0	73.0
- Gas	6.9	6.3	5.7	6.3	6.0	5.9	5.5	5.5
Unit cost (USD/boe)	31.7	30.5	28.6	28.4	27.7	29.0	28.0	28.0

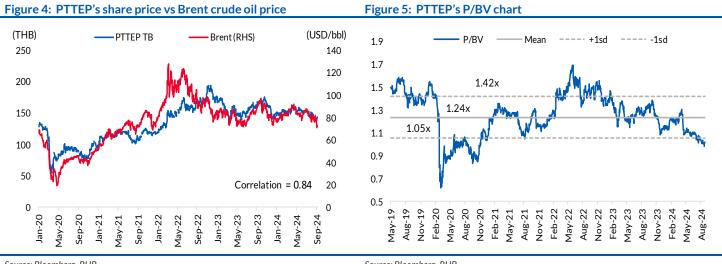
Source: Company data, RHB

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Figure 3: PTTEP's DC	F valuation									
THBm	2024F	2025F	2026F	2027F	2028F	2029F	2030F	2031F	2032F	2033F
EBIT	129,609	128,699	126,225	123,345	129,473	125,830	128,461	131,152	133,040	134,295
EBIT (1-t)	72,581	72,072	70,686	69,073	72,505	70,465	71,938	73,445	74,503	75,205
Depreciation & amortisation	96,521	107,750	118,384	116,941	126,705	127,472	129,049	125,217	120,321	122,569
Change in net working capital	12,066	(806)	(113)	3,716	932	1,512	2,053	1,499	1,688	1,747
Capex	(149,765)	(175,446)	(165,122)	(137,786)	(135,676)	(141,080)	(139,947)	(133,052)	(126,145)	(127,466)
Free cash flow to firm										
Terminal value										856,181
PV	28,679	2,977	18,155	36,131	40,951	33,381	33,426	32,469	31,091	374,556
Terminal growth	1%									
WACC	9.5%									
Total discounted firm value	632,295									
Less: Net debt	33,771									
Less: Minority interest	(114)									
Equity value	665,951									
Number of shares (m)	3,970									
Intrinsic value (THB/share)	168									
ESG premium/(discount)	2%									
TP (THB/share)	171									

Source: RHB



Source: Bloomberg, RHB

Source: Bloomberg, RHB



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Emissions And ESG

Trend analysis

PTTEP's emissions data from 2020 to 2023 reflects a mixed trend. There was an initial decrease of approximately 4.45% in emissions from 2020 to 2021, due to operational adjustments and regulatory compliance efforts. However, this was followed by notable increases in emissions, with a rise of about 10.91% from 2021 to 2022 and a further increase of approximately 18.11% from 2022 to 2023. These subsequent increases are attributed to factors such as expanded production volume and heightened energy demands.

Dec-21	Dec-22	Dec-23
5,147,775	5,710,665	6,744,227
13,984	14,198	17,323
9,502	17,828	26,451
5,171,261	5,742,691	6,788,001
	5,147,775 13,984 9,502	5,147,775 5,710,665 13,984 14,198 9,502 17,828

Source: Company data, RHB

Latest ESG-Related Developments

- PTTEP plans to achieve net zero greenhouse gas (GHG) emissions by 2050 through the EP Net Zero 2050 concept. In 2023, it reduced accumulated GHG emissions by approximately 2.4m tCO2e vs the base year of 2020.
- Looking forward, one crucial initiative to reduce GHG is the CCS project at Arthit Field in the Gulf of Thailand. Currently, the front-end engineering design has been completed, and it is expected to be operational in 2027. This project aims to reduce carbon dioxide emissions from the production process by approximately 0.7 to 1.0 m tCO2e pa.

ESG Rating History



Recommendation Chart



Date	Recommendation	Target Price	Price
2024-05-28	Buy	180	156
2023-10-30	Buy	191	169
2023-10-12	Buy	191	169
2023-09-13	Buy	186	167
2023-08-02	Buy	186	163
2023-07-13	Buy	179	157
2023-06-23	Buy	183	149
2023-04-28	Buy	183	148
2023-04-10	Buy	183	160
2023-03-30	Buy	183	152
2023-01-31	Buy	191	172
2023-01-23	Buy	191	174
2022-10-27	Buy	193	176
2022-08-02	Buy	177	159
2022-04-29	Buy	165	151

Source: RHB, Bloomberg

Source: RHB, Bloomberg



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RHB Guide to Investment Ratings

Buy:	Share price may exceed 10% over the next 12 months
Trading Buy:	Share price may exceed 15% over the next 3 months, however longer-
	term outlook remains uncertain
Neutral:	Share price may fall within the range of +/- 10% over the next
	12 months
Take Profit:	Target price has been attained. Look to accumulate at lower levels
Sell:	Share price may fall by more than 10% over the next 12 months
Not Rated:	Stock is not within regular research coverage

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- "For the avoidance of doubt, the confirmation is only limited to the staff of research department
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Analyst	Company
-	-

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SET ESG Ratings 2023

ชื่อย่อ (Symbol)	Company Name	SET ESG Ratings	ชื่อย่อ (Symbol)	Company Name	SET ESG Ratings	ชื่อย่อ (Symbol)	Company Name	SET ESG Ratings
ACE	ABSOLUTE CLEAN ENERGY PCL	AA	ETC	EARTH TECH ENVIRONMENT PCL	AA	PPP	PREMIER PRODUCTS PCL	A
ADVANC	ADVANCED INFO SERVICE PCL	AAA	FPT	FRASERS PROPERTY (THAILAND) PCL	AA	PR9	PRARAM 9 HOSPITAL PCL	AAA
AGE	ASIA GREEN ENERGY PCL	BBB	GFPT	GFPT PCL	BBB	PSH	PRUKSA HOLDING PCL	BBB
AH	AAPICO HITECH PCL	A	GLOBAL	SIAM GLOBAL HOUSE PCL	AA	PSL	PRECIOUS SHIPPING PCL	A
AJ	A.J. PLAST PCL	AAA	GPSC	GLOBAL POWER SYNERGY PCL	AA	PTT	PTT PCL	AAA
AMATA	AMATA CORPORATION PCL	AAA	GULF	GULF ENERGY DEVELOPMENT PCL	AA	PTTEP	PTT EXPLORATION AND PRO	AAA
AMATAV	AMATA VN PCL	AA	GUNKUL	GUNKUL ENGINEERING PCL	AA	PTTGC	PTT GLOBAL CHEMICAL PCL	AAA
AOT	AIRPORTS OF THAILAND PCL	A	HANA	HANA MICROELECTRONICS PCL	AA	QTC	QTC ENERGY PCL	A
AP	AP (THAILAND) PCL	AA	HENG	HENG LEASING AND CAPITAL PCL	A	RATCH	RATCH GROUP PCL	AA
ASW	ASSETWISE PCL	A	HMPRO	HOME PRODUCT CENTER PCL		RBF	R&B FOOD SUPPLY PCL	BBB
AWC	ASSET WORLD CORP PCL	A	нтс			RS	RS PCI	AA
BA	BANGKOK AIRWAYS PCL	BBB	ICHI	ICHITAN GROUP PCL	A	S	SINGHA ESTATE PCL	AA
BAFS	BANGKOK AVIATION FUEL SERVIC			TRIPLE LL OGISTICS PCL	BBB	581		ΔΔ
					000			
BAM	BANGKOK COMMERCIAL ASSET M	AA	ILM	NDEX LIVING MALL PCL	BBB	SABINA	SABINA PCL	AAA
BANPU	BANPU PCL	AAA	INTUCH	INTOUCH HOLDINGS PCL	AA	SAK	SAKSIAM LEASING PCL	A
BAY	BANK OF AYUDHYA PCL	AAA	IRC	INOUE RUBBER (THAILAND) PCL	A	SAPPE	SAPPE PCL	BBB
BBGI	BBGI PCL	AA	IRPC	IRPC PCL	AA	SAT	SOMBOON ADVANCE TECHN	AA
BBL	BANGKOK BANK PCL	AA	ITEL	INTERLINK TELECOM PCL	A	SAWAD	SRISAWAD CORPORATION F	BBB
BCH	BANGKOK CHAIN HOSPITAL PCL	AA	NL	INDORAMA VENTURES PCL	AA	SC	SC ASSET CORPORATION PC	AA
BCP	BANGCHAK CORPORATION PCL	AAA	JTS	JASMINE TECHNOLOGY SOLUTION PCL	BBB	SCB	SCB X PCL	AA
BCPG	BCPG PCL	AA	KBANK	KASIKORNBANK PCL	AAA	SCC	THE SIAM CEMENT PCL	AAA
BDMS	BANGKOK DUSIT MEDICAL SERVIC	AA	KEX	KERRY EXPRESS (THAILAND) PCL	BBB	SCCC	SIAM CITY CEMENT PCL	AA
BEM	BANGKOK EXPRESSWAY AND ME	AA	ККР	KIATNAKIN PHATRA BANK PCL	BBB	SCG	SAHACOGEN (CHONBURI) P	A
BGC	BG CONTAINER GLASS PCL	AA	KSL	KHON KAEN SUGAR INDUSTRY PCL	BBB	SCGP	SCG PACKAGING PCL	AAA
BGRIM	B.GRIMM POWER PCL	AAA	КТВ	KRUNG THAI BANK PCL	AAA	SGP	SIAMGAS AND PETROCHEMI	AA
BJC	BERLI JUCKER PCL	AA	ктс	KRUNGTHAI CARD PCL	AAA	SHR	S HOTELS AND RESORTS PC	A
BKIH	BKI HOLDINGS PCL	AAA	LH	LAND AND HOUSES PCL	A	SIRI	SANSIRI PCL	AA
BLA	BANGKOK LIFE ASSURANCE PCL	AA	LHFG	LH FINANCIAL GROUP PCL	BBB	SITHAI	SRITHAI SUPERWARE PCL	A
BPP	BANPU POWER PCL	AAA	MAJOR	MAJOR CINEPLEX GROUP PCL	AA	SJWD	SCGJWD LOGISTICS PCL	AA
BRI	BRITANIA PCL	AA	MC	MC GROUP PCL	AA	SMPC	SAHAMITR PRESSURE CONT	AA
BTS	BTS GROUP HOLDINGS PCL	AA	M-CHAI			SNC	SNC FORMER PCL	A
CBG	CARABAO GROUP PCL	A	MEGA	MEGA LIFESCIENCES PCL	A	SNP	S & P SYNDICATE PCL	A
CENTEI		A	MEEC			SPALL		
CFRESH	SEAFRESH INDUSTRY PCL	A	MINT	MINOR INTERNATIONAL PCL		SPI	SAHA PATHANA INTER-HOL	A
CK	CH. KARNCHANG PCL	A	MSC	METRO SYSTEMS CORPORATION PCL	A	SSSC	SIAM STEEL SERVICE CENTE	BBB
CKP	CK POWER PCL		MTC		A	STA	SRITRANG AGRO-INDUSTRY	
COM7	CC POWER PCL COM7 PCL		NER	NORTH EAST RUBBER PCL		STEC	SINO-THAI ENGINEERING AN	
		A			A	STGT		Α
017122	CP ALL PCL	AAA	NOBLE	NOBLE DEVELOPMENT PCL	AA	0.01	SRITRANG GLOVES (THAIL	AAA
CPAXT	CP AXTRA PCL	AAA	NRF	NR INSTANT PRODUCE PCL	A	SUTHA	GOLDEN LIME PCL	A
CPF	CHAROEN POKPHAND FOODS PCL	AAA	NVD	NIRVANA DEVELOPMENT PCL	AA	SYNEX	SYNNEX (THAILAND) PCL	A
CPN	CENTRAL PATTANA PCL	AA	NYT	NAMYONG TERMINAL PCL	A	SYNTEC	SYNTEC CONSTRUCTION PC	A
CRC	CENTRAL RETAIL CORPORATION F		OR	PTT OIL AND RETAIL BUSINESS PCL	AAA	TCAP	THANACHART CAPITAL PCL	A
CSC	CROWN SEAL PCL	BBB	ORI	ORIGIN PROPERTY PCL	AA	TFG	THAIFOODS GROUP PCL	A
DEMCO	DEMCO PCL	A	OSP	OSOTSPA PCL	AA	TFMAMA	THAI PRESIDENT FOODS PCL	AAA
DMT	DON MUANG TOLLWAY PCL	A	PAP	PACIFIC PIPE PCL	A	TGH	THAI GROUP HOLDINGS PCL	A
DRT	DIAMOND BUILDING PRODUCTS PC	AA	PB	PRESIDENT BAKERY PCL	AA	THANI	RATCHTHANI LEASING PCL	AA
EASTW	EASTERN WATER RESOURCES DE	AA	PCSGH	P.C.S. MACHINE GROUP HOLDING PCL	BBB	THCOM	THAICOM PCL	AAA
EGCO	ELECTRICITY GENERATING PCL	AA	PJW	PANJAWATTANA PLASTIC PCL	A	THIP	THANTAWAN INDUSTRY PCL	A
EPG	EASTERN POLYMER GROUP PCL	AA	PLANB	PLAN B MEDIA PCL	AA	THREL	THAIRE LIFE ASSURANCE PC	A
ERW	THE ERAWAN GROUP PCL	A	PM	PREMIER MARKETING PCL	A	TISCO	TISCO FINANCIAL GROUP PC	AAA

ชื่อย่อ	Company Name	SET ESG	ชื่อย่อ	Company Name	SET ESG
(Symbol)		Ratings	(Symbol)		Ratings
TKS	T.K.S. TECHNOLOGIES PCL	A	mai	1	1
тмт	TMT STEEL PCL	AA	ADB	APPLIED DB PCL	A
TOA	TOA PAINT (THAILAND) PCL	A	ARROW	ARROW SYNDICATE PCL	BBB
TOG	THAI OPTICAL GROUP PCL	A	COLOR	SALEE COLOUR PCL	A
тор	THAI OIL PCL	AAA	FPI	FORTUNE PARTS INDUSTRY PCL	AA
TPBI	TPBI PCL	AA	GCAP	G CAPITAL PCL	BBB
TPCS	TPCS PCL	BBB	KUMWEL	KUMWELL CORPORATION PCL	A
TPIPP	TPI POLENE POWER PCL	AA	LIT	LEASE IT PCL	BBB
TPIPL	TPI POLENE PCL	AA	MOONG	MOONG PATTANA INTERNATIONAL PCL	A
ТQМ	TQM ALPHA PCL	BBB	NDR	N.D. RUBBER PCL	A
TSC	THAI STEEL CABLE PCL	A	PEER	PEER FOR YOU PCL	A
TSTH	TATA STEEL (THAILAND) PCL	A	PHOL	PHOL DHANYA PCL	A
ΠΑ	THORESEN THAI AGENCIES PCL	AA	PPS	PROJECT PLANNING SERVICE PCL	AA
ттв	TMBTHANACHART BANK PCL	AA	SELIC	SELIC CORP PCL	A
TTCL	TTCL PCL	A	SICT	SILICON CRAFT TECHNOLOGY PCL	A
TTW	TTW PCL	AA	THANA	THANASIRI GROUP PCL	BBB
TVO	THAI VEGETABLE OIL PCL	AA	TVDH	TVD HOLDINGS PCL	BBB
TWPC	THAI WAH PCL	A	L	1	
UBE	UBON BIO ETHANOL PCL	A			
UPF	UNION PIONEER PCL	BBB			
VGI	VGIPCL	AA			
WACOAL	THAI WACOAL PCL	A			
WHA	WHA CORPORATION PCL	AAA			
WHAUP	WHA UTILITIES AND POWER PCL	AAA			
WICE	WICE LOGISTICS PCL	AA			
ZEN	ZEN CORPORATION GROUP PCL	AA			

Source: www.setsustainability.com



Corporate Governance Report Rating 2023 (CG Score) as of 13 Nov 2023



Companies with Excellent CG Scoring by alphabetical order

7UP	AMA	BA	BJC	CIMBT	CV	FLOYD	HENG	JAS	LRH	MTI	PAP	PRINC	SA	SENA	SO	SVT	TIDLOR	TPCS	TVT	WINMED
AAV	AMARIN	BAFS	BJCHI	CIVIL	DCC	FN	HMPRO	JTS	LST	NC	PATO	PRM	SABINA	SENX	SPALI	SYMC	TIPH	TPIPL	TWPC	WINNER
ABM	AMATA	BAM	BKI	СК	DDD	FPI	HPT	KBANK	M	NCH	PB	PRTR	SAK	SFP2	SPC	SYNEX	TISCO	TPIPP	UAC	XPG
ACE	AMATAV	BANPU	BLA	СКР	DELTA	FPT	HTC	KCC	MAJOR	NCL	PCSGH	PSH	SAMART	SFT	SPCG	SYNTEC	ТК	TPS	UBE	YUASA
ACG	ANAN	BAY	BOL	CM	DEMCO	FSX	ICC	KCE	MALEE	NDR	PDG	PSL	SAMTEL	SGC	SPI	TACC	TKN	TQM	UBIS	ZEN
ADB	AOT	BBGI	BPP	CNT	DMT	FVC	ICHI	KEX	MATCH	NER	PDJ	PT	SAPPE	SGF	SPRC	TAE	TKS	TQR	UKEM	
ADD	AP	BBIK	BRI	COLOR	DOHOME	GBX	ICN	ККР	MBK	NKI	PG	PTC	SAT	SGP	SR	TCAP	ТКТ	TRT	UP	
ADVANC	APCO	BBL	BROOK	COM7	DRT	GC	III	KSL	MC	NOBLE	PHOL	PTT	SBNEXT	SHR	SSC	TCMC	TLI	TRUE	UPF	
AEONTS	APCS	BC	BRR	сотто	DUSIT	GCAP	ILINK	КТВ	M-CHAI	NRF	PIMO	PTTEP	SC	SICT	SSF	TEAMG	тм	TRV	UPOIC	
AF	ARIP	BCH	BTS	CPALL	EA	GENCO	ILM	ктс	MCOT	NTV	PJW	PTTGC	SCB	SIRI	SSSC	TEGH	TMC	TSC	UV	
AGE	ARROW	BCP	BTW	CPAXT	EASTW	GFPT	IMH	KTMS	MEGA	NVD	PLANB	Q-CON	SCC	SIS	STA	TFG	TMD	TSTE	VCOM	
AH	ASEFA	BCPG	BWG	CPF	ECF	GGC	IND	KUMWEL	MFC	NWR	PLAT	QH	SCCC	SITHAI	STC	TFMAMA	TMT	TSTH	VGI	
AHC	ASK	BDMS	BYD	CPI	ECL	GLAND	INET	KUN	MFEC	NYT	PLUS	QTC	SCG	SJWD	STEC	TGE	TNDT	TTA	VIBHA	
AIRA	ASP	BEC	CBG	CPL	EE	GLOBAL	INTUCH	LALIN	MILL	OCC	PM	RATCH	SCGP	SKR	STGT	TGH	TNITY	ттв	VIH	
AIT	ASW	BEM	CENTEL	CPN	EGCO	GPSC	IP	LANNA	MINT	OISHI ¹	POLY	RBF	SCM	SM	STI	THANA	TNL	TTCL	VL	
AJ	ATP30	BEYOND	CFRESH	CPW	EPG	GRAMMY	IRC	LH	MONO	ONEE	PORT	RPH	SDC	SMPC	SUC	THANI	TNR	πw	WACOAL	
AKP	AUCT	BGC	CHASE	CRC	ERW	GULF	IRPC	LHFG	MOONG	OR	PPP	RS	SEAFCO	SMT	SUN	THCOM	TOA	TURTLE	WGE	
AKR	AWC	BGRIM	CHEWA	CRD	ETC	GUNKUL	ITC	LIT	MSC	ORI	PPS	RT	SEAOIL	SNC	SUSCO	THIP	TOG	TVDH	WHA	
ALLA	AYUD	BH	CHG-	CSC	ETE	HANA	ITEL	LOXLEY	MST	OSP	PR9	S	SECURE	SNNP	SUTHA	THRE	TOP	түн	WHAUP	
ALT	В	BIZ	CHOW	CSS	FE	HARN	IVL	LPN	MTC	ото	PRG	S&J	SELIC	SNP	SVI	THREL	ТРВІ	TVO	WICE	



Companies with Very Good CG Scoring by alphabetical order

25	CHIC	HUMAN	LEO	PTECH	SVOA
A5	CI	IFS	LHK	PYLON	SWC
AAI	CIG	INSET	MACO	RCL	TCC
AIE	СМС	Π	METCO	SALEE	TEKA
ALUCON	COMAN	J	MICRO	SANKO	TFM
AMR	CSP	JCKH	MK	SCI	TMILL
APURE	DOD	JDF	MVP	SCN	TNP
ARIN	DPAINT	JKN•	NCAP	SE	TPLAS
AS	DV8	JMART	NOVA	SE-ED	TPOLY
ASIA	EFORL	JUBILE	NTSC	SFLEX	TRC
ASIAN	EKH	K	PACO	SINGER	TRU
ASIMAR	ESSO	KCAR	PIN	SKN	TRUBB
ASN	ESTAR	KGI	PQS	SONIC	TSE
AURA	EVER	KIAT	PREB	SORKON	VRANDA
BR	FORTH	KISS	PRI	SPVI	WAVE
BSBM	FSMART	KK	PRIME	SSP	WFX
BTG	FTI	KTIS	PROEN	SST	WIIK
CEN	GEL	KWC	PROS	STANLY	WIN
CGH	GPI	KWM	PROUD	STP	WP
СН	HEALTH	LDC	PSTC	SUPER	XO

Companies with Good CG Scoring by alphabetical order

24CS	EASON	LEE	PMTA	SOLAR	WORK			
AMANAH	FNS	MASTER	PPM	SPA	WPH			
AMARC	FTE	MBAX	PRAKIT	STECH	YONG			
AMC	GIFT	MEB	PRAPAT	STPI	ZIGA			
APP	GJS	MENA	PRECHA	SVR				
ASAP	GTB	META	PRIN	TC				
BCT	GTV	MGT	PSG	TCCC ³				
BE8	GYT	MITSIB	RABBIT	TEAM				
BIG	HL	MJD	READY	TFI				
BIOTEC	HTECH	MOSHI	RJH	TIGER				
BLESS	HYDRO	MUD	RSP	TITLE				
BSM	liG	NATION	RWI	ткс				
BVG	INGRS	NNCL	S11	TMI				
CAZ	INSURE	NPK	SAAM	TNH		Score Range	Number of Logo	Description
CCET	IRCP	NSL	SAF	TPA		Less than 50	No logo given	-
CHARAN	ITD	NV	SAMCO	TPAC		50-59		Pass
CHAYO	ITNS	OGC	SAWAD	TRITN				
CHOTI	JCK	PAF	SCAP	UBA		60-69		Satisfactory
CITY	JMT	PCC	SCP	UMI			andrea andrea	
CMAN	JR	PEACE	SIAM	UMS		70-79		Good
CMR	JSP	PICO	SKE	UTP				
CRANE	KBS	PK	SKY	VARO		80-89		Very Good
CWT	KGEN	PL	SMART	VPO				
DHOUSE	KJL	PLANET	SMD	W		90-100		Excellent
	L&E	PLE	SMIT	WARRIX				

Source : <u>http://www.thai-iod.com/th/projects-2.asp</u>

IOD (IOD Disclaimer) Disclaimer: 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 assessment 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 or when there is any change to the relevant information. Nevertheless, RHB Securities (Thailand) Public Company Limited does not confirm, verify, or certify the accuracy and completeness of such survey result.

การเปิดแผผลการสำรวจของสมาคมส่งเสริมสถาบันกรรมการบริษัทไทย (IOD) ในเรื่องการกำกับดูแลกิจการ (Corporate Governance) นี้เป็นการดำเนินการตามนโยบายของสำนักงานคณะกรรมการกำกับหลักทรัพย์และตลาด หลักทรัพย์ โดยการสำรวจของ IOD เป็นการสำรวจและประเมินจากข้อมูลของบรษัทจดทะเบียนในคลาดหลักทรัพย์แกมส์การก็บายและตลาด ดังนั้นผลสำรวจดังกล่าวจึงเป็นการนำเสนอในมุมมองของบุคคลภายนอกโดยไม่ได้เป็นการประเมินการปล่ายในในการประเมิน

อนึ่ง ผลการสำรวจดังกล่าว เป็นผลการสำรวจ ณ วันที่ปรากฏในรายงานการกำกับดูและกิจการบริษัทจดทะเบียนไทยเท่านั้น ดังนั้นผลการสำรวจจึงอาจเปลี่ยนแปลงได้ภายหลังวันดังกล่าว ทั้งนี้บริษัทหลักทรัพย์ อาร์เอซบี จำกัด (มหาชน) มิได้ยืนยันหรือรับรองถึงความถูกต้องของผลการสำรวจดังกล่าวแต่อย่างใด

RHB

Anti-Corruption Progress Indicator 2023 (as of 1 Nov 2023)

ertified b	by CAC (ได่รับการ	รับร	อง)							
2S	BEC	DCC		HARN	LANN			LON	SMK		THRE
	BEYON BGC	D DELTA DEMC		HENG HMPRO	LH LHFG	PAF PAT		CON	SMPC SNC		THREL TIDLOR
DVANC	BGRIM	DOHO			LHK	PB			SNP		TIPCO
F	BKI	DRT		ICC	LPN	PCS			SOR		TISCO
H	BLA	DUSIT		ICHI	LRH	PDO		BBIT	SPAC		TKS
E	BPP BROOK	EA EAST\	M/	IFS III	MAJO	PDJ DR PG	RA	тсн	SPAL SPC		TKT TMD
RA	BRR	ECF	**	III ILINK	MALE				SPI		TMILL
	BSBM	EGCO)	ILM	MATO	CH PIMO	D RW	/1	SPRC	2	TMT
KP	BTS	EP		INET	MBA		S&		SRICI	HA	TNITY
MA MANAH	BWG CEN	EPG ERW		INOX INSURE	MBK MC	PL PLA		am Bina	SSF SSP		TNL TNP
MATA	CENTEL			INTUCH	MCO				SSSC		TNR
MATAV	CFRESH			IRPC	META			PPE	SST		TOG
P.	CGH	ETE		ITEL	MFC	PM	SA		STA		TOP
APCS	CHEWA CHOTI	FNS FPI		IVL JAS	MFEC	PPP			STGT		TOPP TPA
SIAN	CHOW	FPT		JKN	MINT	PPS	SC SC		SUSC		TPCS
SK	CIMBT	FSMA	RT	JR	MON				SVI		TRT
SP	СМ	FTE		JTS	MOO				SYM		TRU
WC	CMC CMCF	GBX GC		KASET KBANK	MSC MST	PRO			SYNT TAE		TRUE TSC
	COM7	GCAP	,	KBS	MTC	PRN			TAKU		TSI
AFS	COTTO	GEL		KCAR	MTI	PRC		AOIL	TASC	0	TSTE
AM	CPALL	GFPT		KCC	NATIO			-ED	TCAP	0	TSTH
ANPU AY	CPAXT CPF	GGC GJS		KCE KGEN	NCAF NEP	P PSL PST	C SE		TFG TFI		TTB TTCL
BGI	CPI	GPI		KGI	NKI	PT	SG		TFMA	·····	TU
BL	CPL	GPSC		ККР	NOBL				TGE		TVDH
ICH ICP	CPN CPW	GSTEI GULF	EL	KSL KTB	NRF OCC	PTG		HAI	TGH THAN		TVO TWPC
SCPG	CRC	GUNK	UL	KTC	OGC	PTT			THCO		U
E8	CSC	HANA		L&E	OR	PTT			THIP		UBIS
IA K-BAT	BDMS	CPNCG	GL		KTIS	MPIC	PRIN	SHR		тссс	π
		CPNCG	GL/		KWC	M-STOR	PRIN	SHREIT	·····ò·	TCJ	TTW
	BEM	CPT		DCON	KYE	NC	PROSPEC			TCOAT	TU-PF
ACC	BH	CPTGF		AMMY	LALIN	NCH	PTL	SIRIP		TEAM	TWP
&-	BIG	CRANE	GR/		LEE	NEW	QHHR	SISB		TEAMG	TWZ
		CSP			LHHOTEL	·	QHOP	SKN	·····ò·	TEKA	TYCN
·····	BIZ BJC	CSR	GVI GY		LHPF	NNCL NOVA	QHPF RAM	SKY		TFFIF TFM	UAC
	BJCHI	CSS CTARAF	HFT		LHSC LOXLEY	NSL	RAM	SLP SM		TGPRO	UNIQ
·····	BKD	CTW	HPF		LPF	NTV	RICHY	SMT	·····ò·	тн	UP
AIMIRT I	BKKCP	CWT	HTE	CH	LPH	NUSA	RJH	SNNP	ŀ	THAI	UPOIC
		DCON		IAN	LST	NV	ROCK	SO	·····ò·	THE	URBNPF
		DDD		DROGEN	LUXF	NVD	ROH	SOLAF		THG	UTP
	BR BROCK	DIF DREIT	IFEC		MACO MANRIN	NYT OHTL	ROJNA RPC	SPCG SPG		THL TIF1	UVAN VARO
		DTCENT		TREIT	MATI	OISHI	RPH	SPRIME		тк	VNG
		DTCI	ING		MAX	ONEE	RSP	SQ		ткс	VPO
		EASON	INSE	ET	M-CHAI	PACE	S	SRIPA		TLHPF	VRANDA
	BUI	EE	П		MCS	PAF	S11	SSC		TLI	WAVE
	B-WORK CCET	EGATIF EMC	ITD JAS	IF	MDX METCO	PCC PEACE	SABUY SAFARI	SSPF SSTRT		TNPC TNPF	WFX WGE
		ERWPF	JAS		MICRO	PEACE	SAFARI	STANL		TOA	WHABT
		ESSO	JCT		MIDA	PF	SAMART	STEC		TPBI	WHAIR
		EVER	JDF		M-II	PIN	SAMCO	STECH		TPIPL	WHART
		F&D	JWE		MIPF	PLE	SAMTEL	STHAI		TPIPP	WIN
	CHAYO				MIT	PMTA	SAUCE	STI		TPOLY	WORK
		FMT	KBS	SPIF	MJD	POLAR	SAWAD	STPI		TPRIME	WORLD
		FN	KDH	4	MJLF MK	POMPUI	SAWANG			TR	WP
		FORTH FTI	KDH KEX		MK ML	POPF PORT	SCAP SCI	SUN		TRC	
		FTREIT	KIA		ML	PORT	SCP	SUPER		TRUBB	-
		FUTUREP			MNIT2	PPF	SDC	SUTHA		TSE	-
	CMR	GAHREIT			MNRF	PRAKIT	SEAFCO	SYNEX		TSR	-
	CNT	GENCO	KPN	IPF	MOSHI	PRECHA	SFP	TC	·····	Π	
BCT	CPH	GIFT	KTB	STMR	M-PAT	PRIME	SHANG	TCC	-	TTLPF	

<u>ดำชื้แจง:</u> ข้อมูลบริษัทที่เข้าร่วมโครงการแนวร่วมปฏิบัติของภาคเอกชนไทยในการต่อต้านทุจริต (Thai CAC) ของสมาคมส่งเสริมสถาบันกรรมการบริษัทไทย มี 2 กลุ่ม

-ได้ประกาศเจตนารมณ์เข้าร่วม CAC -ได้รับการรับรอง CAC Source : Thai Institute of Directors

Disclaimer: The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by the relevant institution as disclosed by the Office of the Securities and Exchange Commission, is made in order to comply with the policy and sustainable development plan for the listed companies. The relevant institution made this assessment based on the information received from the listed company, as stipulated in the form for the assessment of Anti-corruption which refers to the Annual Registration Statement (Form 56-1), Annual Report (Form 56-2), or other relevant documents or reports of such listed company . The assessment result is therefore made from the perspective of a third party. It is not an assessment of operation and is not based on any inside information. Since this assessment is only the assessment result as of the date appearing in the assessment result, it may be changed after that date or when there is any change to the relevant information. Nevertheless, RHB Securities (Thailand) Public Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment result.

การเปิดเผยการประเมินดัชนี้ขั้วความคืบหน้าการป้องกันการมีส่วนเกี่ยวข้องกับการทุจริตคอร์รัปชัน (Anti-corruption Progress Indicators) ของบริษัทจดทะเบียนโนตลาดหลักทรัพย์แห่งประเทศไทยที่จัดทำโดยสถาบันที่เกี่ยวข้องขึ่งมีการเปิดเผยโดย สำนักงาน คณะกรรมการกำกับหลักทรัพย์ และตลาดหลักทรัพย์นี้ เป็นการดำเนินการตามนโยบาย และตามแผนพัฒนาความยั่งยืนสำหรับบริษัทจด ทะเบียนโดยผลการประเมินดังกล่าว สถาบันที่เกี่ยวข้องอาศัยข้อมูลที่ได้รับจากบริษัทจดทะเบียนในตลางหลักทรัพย์แห่งประเทศไทยที่จัดทำโดยสถาบันที่เกี่ยวข้องขึ่งมีการเปิดเผยโดย สำนักงาน คณะกรรมการกำกับหลักทรัพย์ และตลาดหลักทรัพย์นี้ เป็นการดำเนินการตามนโยบาย และตามแผนพัฒนาความยั่งยืนสำหรับบริษัทจด ทะเบียนโดยผลการประเมินดังกล่าว สถาบันที่เกี่ยวข้องอาศัยข้อมูลที่ได้รับจากบริษัทจดทะเบียนได้ระบุในแบบแสดง ข้อมูลเพื่อการประเมิน Anti-Corruption ซึ่งอ้างอิงข้อมูลมูลจากแบบแสดงรายการข้อมูลประจำปี แบบ (56-2) หรือในเอกสารหรือรายงานอื่นที่เกี่ยวข้องของบริษัทจดทะเบียนนั้น แล้วแต่ กรณี ดังนั้น ผลการประเมินดังกล่าวจึงเป็นบนการนำเสนอในมูมอง ของสถาบันที่เกี่ยวข้องซึ่งเป็นบุคคลภายนอก โดยมิได้เป็นการประเมินการปฏิปฏิษัตงอทร้ยยนในตลาดหลักทรัพย์แห่งประเทศไทย และมิได้ไข้อมูลภายในเพื่อกล่ารประเมิน เนื่องจากผลการประเมินดังกล่าวเป็นเพียงผลการประเมินท่านั้น ดังนั้นผลการประเมินจึงอาจเปลี่ยนแปลงได้ภายหลังวันดังกล่าว หรือรับรองความถูกต้องคลามสูกต้องผลประเมินดังกล่าวแต่อย่างใด ทั้งนี้บริษัท หลักทรัพย์ อาร์เอชบ์ จำกัด (มหาชน) มิได้ยืนอรจลอนทรีอรงองผลการสำรวจ