EQUITY RESEARCH - RESULTS FLASH

BANPU POWER BPP TB THAILAND / UTILITIES CONVENTIONAL

China's coal policy hurt 4Q21

- BPP's 4Q21 core NP was THB199m, down 46% q-q. 4Q21 NP came in at THB371m (-38% q-q).
- Key factors: 1) improving NP from BLCP; 2) loss from CHP plants;
 3) higher equity income from Hongsa; and 4) a net loss from SLG.
- Maintain BUY and our SOTP-based TP of THB20.

Weak 4Q21 results on high coal cost

BPP's 4Q21 core net profit (NP) was THB199m, down 46% q-q. 4Q21 NP came in at THB371m (-38% q-q), missing our estimate by 25% and Bloomberg's consensus estimate by 15%. The key factors are: 1) an improving NP of THB144m from BLCP; 2) a THB117m gross loss from the CHP plants in China due to a lower gross margin caused by the higher coal price; 3) THB967m equity income from the Hongsa power plant (HPC), up 36% q-q due to no planned shutdown, resulting in a higher equivalent availability factor (EAF) of 85%; 4) a net loss (NL) of THB267m from Shan Xi Lu Guang (SLG) due to the higher coal cost; and 5) a THB304m NL from Banpu Next (not listed).

2021 net profit dropped due to net losses from China

2021 NP dropped by 16% q-q due to 1) the lower equity income from BLCP, but was partly offset by higher income from HPC. BPP had a weak share of profits in 2021 at THB3b, down 17% y-y. HPC's EAF rose to 85%, contributing an NP of THB3.6b, up 12% y-y. SLG contributed an NL of THB542m in 2021 due to the high coal cost after its successful start-up in Oct-21. BLCP contributed a 2021 NP of THB215m. Nakoso power plant generated THB210m in 2021 after its acquisition in Apr-21, while Banpu Next posted an NL of THB521m due to the losses from its battery and e-businesses.

Stronger outlook ahead

We expect strong core earnings in 2022-23 from HPC and the acquired Nakoso and Temple I power plants, along with the new wind farm projects in Vietnam (30MW). HPC is expected to have a shorter planned shutdown in 2022, and we expect strong earnings from Nakoso, which should offset weak NP contributions from BLCP, SLG, and CHP.

Earnings rebound likely in 2022

We maintain BUY and our SOTP-based TP of THB20. BPP's ongoing business transformation is to refocus on a higher proportion of greener energy. Its new business ventures in the EV and battery value chain should further raise its 'green' NP proportion toward 20% in 2022, up from 13% in 2020.



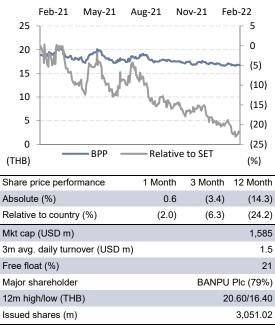
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TARGET PRICE	THB20.00
CLOSE	THB16.80
UP/DOWNSIDE	+19.0%
TP vs CONSENSUS	-2.4%

KEY STOCK DATA

YE Dec (THB m)	2021	2022E	2023E	2024E
Revenue	7,437	7,603	8,348	8,496
Net profit	3,127	5,438	5,623	5,617
EPS (THB)	1.03	1.78	1.84	1.84
vs Consensus (%)	-	10.1	3.2	-
EBITDA	(428)	1,966	2,484	3,384
Core net profit	2,609	5,438	5,623	5,617
Core EPS (THB)	0.86	1.78	1.84	1.84
Chg. In EPS est. (%)	nm	0.4	(2.3)	nm
EPS growth (%)	(38.4)	108.4	3.4	(0.1)
Core P/E (x)	19.6	9.4	9.1	9.1
Dividend yield (%)	3.9	4.8	4.8	4.8
EV/EBITDA (x)	(174.0)	35.7	26.7	18.4
Price/book (x)	1.1	1.0	1.0	0.9
Net debt/Equity (%)	39.0	28.1	19.4	11.0
ROE (%)	6.0	11.5	11.2	10.5



Sources: Bloomberg consensus; FSSIA estimates

PREPARED BY FSS INTERNATIONAL INVESTMENT ADVISORY SECURITIES CO LTD (FSSIA). ANALYST CERTIFICATION AND IMPORTANT DISCLOSURES CAN BE FOUND AT THE END OF THIS REPORT

Exhibit 1: Summary of 4Q21/2021 operations

	4Q20	3Q21		4Q21		2020	2021	Change
	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
Revenue	2,276	1,048	3,717	254.7	63.3	6,152	7,437	20.9
Operating costs	(1,219)	(1,077)	(3,741)	247.4	206.9	(3,453)	(6,762)	95.8
EBITDA	1,057	(29)	(24)	(16.8)	nm	1,753	(428)	nm
EBITDA margin (%)	46.4	(2.8)	(0.6)	nm	nm	34.3	35.3	nm
Depn & amort.	(67)	(124)	(227)	83.4	238.2	(402)	(581)	44.3
EBIT	990	(153)	(251)	64.5	nm	1,351	(1,008)	nm
Interest expense	(51)	(44)	(133)	204.0	159.6	(243)	(249)	2.6
Interest & invt inc	101	95	97	1.4	nm	374	381	1.9
Other income	(738)	(1)	113	nm	nm	(429)	616	nm
Associates' contrib	1,018	460	600	30.4	(41.0)	3,565	2,974	(16.6)
Exceptional	(17)	250	(29)	nm	73.0	(535)	518	nm
Pretax profit	1,303	608	397	(34.7)	(69.5)	4,084	3,232	(20.9)
Tax	(93)	(8)	25	nm	nm	(300)	(57)	(81.0)
Tax rate (%)	7.1	1.3	(6.3)	nm	nm	7.4	1.8	nm
Minority interests	(9)	(4)	(52)	1,145.3	481.6	(81)	(47)	(41.3)
Net profit	1,201	596	371	(37.8)	(69.1)	3,702	3,127	(15.5)
Non-recurring	(93)	229	171	(25.0)	nm	(535)	518	nm
Core net profit	1,294	368	199	(45.8)	(84.6)	4,237	2,609	(38.4)
EPS (THB)	0.39	0.20	0.12	(37.8)	(69.1)	1.21	1.03	(15.5)
Core EPS (THB)	0.42	0.12	0.07	(45.8)	(84.6)	1.39	0.86	(38.4)

Sources: BPP; FSSIA estimates

Exhibit 2: 4Q21/2021 key performance

	4Q20	3Q21	4Q21	Chai	nge	2020	2021	Change
Gross profit	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
Zhengding CHP	128	(134)	(88)	(34)	nm	228	(111)	nm
Luannan CHP	190	(25)	(114)	354	nm	507	28	(94.5)
Zouping CHP	53	18	85	379	61	323	71	(78.1)
Temple I	0	0	(39)	nm	nm	0	(39)	nm
Total gross profit	371	(141)	(156)	10	nm	1,114	(51)	nm
Gross profit margin (%)*	(%)	(%)	(%)	(ppt)	(ppt)	(%)	(%)	(ppt)
Zhengding CHP	26	(109)	(19)	90	(45)	16	(8)	(24.0)
Luannan CHP	27	(5)	(12)	(7)	(39)	25	1	(24.0)
Zouping CHP	12	4	9	5	(3)	18	3	(15.0)
Temple I	0	0	(6)	(6)	(6)	0	(6)	(6.0)
GPM for Banpu Power Group	23	(13)	(5)	8	(28)	20	(1)	(21.0)
Share of profits (including FX gain/loss)	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
BLCP	65	(54)	144	(366)	122	543	215	(60.4)
Hongsa	1,069	714	967	36	(10)	3,223	3,612	12.1
Nakoso IGCC	0	103	61	(41)	nm	0	210	nm
SLG	(0)	(233)	(267)	15	nm	76	(542)	nm
Banpu Next	(108)	(69)	(304)	340	181	(290)	(521)	79.8
Others	(8)	0	(0)	nm	(95)	13	(0)	nm
Total share of profits (including FX gain/loss)	1,018	460	600	30	(41)	3,565	2,974	(16.6)
Total non-recurring items	(THB m)	(THB m)	(THB m)	(q-q %)	(y-y %)	(THB m)	(THB m)	(y-y %)
Non-recurring items	(50)	(6)	(14)	110	(73)	(647)	(41)	(93.7)
Income tax – non-core business	(2)	(11)	(3)	(75)	58	(6)	(19)	233.1
Deferred tax income/expenses	(24)	(4)	(26)	596	10	(28)	(38)	36.4
Gains (losses) on derivatives	(1)	(0)	243	nm	nm	(2)	241	nm

*Note: Change in margin % is represented in ppt change

Sources: BPP; FSSIA estimates

Financial Statements

Banpu Power

Profit and Loss (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Revenue	6,152	7,437	7,603	8,348	8,496
Cost of goods sold	(3,453)	(6,762)	(4,496)	(4,945)	(4,178
Gross profit	2,699	675	3,107	3,403	4,318
Other operating income	-	-	-	-	
Operating costs	(946)	(1,103)	(1,140)	(918)	(935
Operating EBITDA	1,753	(428)	1,966	2,484	3,384
Depreciation	(402)	(581)	(1,392)	(1,392)	(1,392
Goodwill amortisation	0	0	0	0	(
Operating EBIT	1,351	(1,008)	574	1,092	1,991
Net financing costs	279	507	(341)	(252)	(172
Associates	3,565	2,974	5,273	5,018	4,308
Recurring non-operating income	2,988	3,215	5,523	5,268	4,558
Non-recurring items	(535)	518	0	0	(
Profit before tax	4,084	3,232	5,757	6,108	6,377
Тах	(300)	(57)	(130)	(294)	(569
Profit after tax	3,783	3,174	5,626	5,814	5,808
Minority interests	(81)	(47)	(189)	(191)	(190
Preferred dividends	0	0	0	0	(
Other items	-	-	-	-	
Reported net profit	3,702	3,127	5,438	5,623	5,617
Non-recurring items & goodwill (net)	535	(518)	0	0	(
Recurring net profit	4,237	2,609	5,438	5,623	5,617
Per share (THB)					
Recurring EPS *	1.39	0.86	1.78	1.84	1.84
Reported EPS	1.21	1.03	1.78	1.84	1.84
DPS	0.65	0.65	0.80	0.80	0.80
Diluted shares (used to calculate per share data)	3,051	3,048	3,048	3,048	3,048
Growth					
Revenue (%)	8.2	20.9	2.2	9.8	1.8
Operating EBITDA (%)	nm	nm	nm	26.4	36.2
Operating EBIT (%)	nm	nm	nm	90.3	82.3
Recurring EPS (%)	41.1	(38.4)	108.4	3.4	(0.1
Reported EPS (%)	24.7	(15.5)	73.9	3.4	(0.1
Dperating performance					
Gross margin inc. depreciation (%)	37.3	1.3	22.6	24.1	34.4
Gross margin of key business (%)	28.6	8.2	22.6	24.1	34.4
Operating EBITDA margin (%)	28.5	(5.8)	25.9	29.8	39.8
Operating EBIT margin (%)	22.0	(13.6)	7.6	13.1	23.4
Net margin (%)	68.9	35.1	71.5	67.4	66.1
Effective tax rate (%)	58.0	22.3	27.0	27.0	27.5
Dividend payout on recurring profit (%)	46.8	75.9	44.8	43.4	43.4
nterest cover (X)	(15.5)	(4.4)	17.9	25.2	38.0
nventory days	49.3	45.6	82.8	66.2	75.7
Debtor days	62.1	55.2	63.0	57.3	56.3
Creditor days	29.9	13.5	23.1	18.5	21.1
Dperating ROIC (%)	9.0	1.0	(0.4)	(0.8)	(1.5
ROIC (%)	8.1	(0.8)	(1.8)	(1.9)	(2.0
ROE (%)	10.6	6.0	11.5	11.2	10.5
ROA (%)	8.3	4.4	7.3	7.2	6.9
Pre-exceptional, pre-goodwill and fully diluted					
Revenue by Division (THB m)	2020	2021	2022E	2023E	2024E

Sources: Banpu Power; FSSIA estimates

Financial Statements

Banpu Power

Banpu Power					
cash Flow (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
Recurring net profit	4,237	2,609	5,438	5,623	5,617
Depreciation	402	581	1,392	1,392	1,392
ssociates & minorities	3,565	2,974	5,273	5,018	4,308
other non-cash items	-	-	-	-	
change in working capital	(3,353)	(583)	192	(272)	63
ash flow from operations	4,852	5,581	12,295	11,761	11,381
Capex - maintenance	(101)	(102)	(1,000)	(1,000)	(1,000
Capex - new investment	(3,593)	(16,288)	(500)	(500)	(500)
let acquisitions & disposals	(6,094)	(7,128)	1,000	1,000	1,000
Other investments (net)	4,178	3,487	5,523	5,268	4,558
ash flow from investing	(5,610)	(20,031)	5,023	4,768	4,058
Dividends paid	(1,983)	(1,981)	(2,286)	(2,438)	(2,438)
quity finance	0 (1 001)	(33)	0 0	0 0	(
ebt finance)ther financing cash flows	(1,091) (668)	16,070 860	(10,608)	(10,095)	(8,676
cash flow from financing	(3,742)	14,916	(12,894)	(12,533)	(11,114)
lon-recurring cash flows	(3,742)	14,310	(12,034)	(12,555)	(11,114
Other adjustments	- 0	0	0	- 0	(
let other adjustments	0	0	0	0	(
lovement in cash	(4,500)	466	4,425	3,996	4,325
Free cash flow to firm (FCFF)	(514.47)	(14,200.63)	4,425 17,712.28	16,922.06	4,32 15,832.07
ree cash flow to equity (FCFE)	(2,516.46)	2,479.63	6,711.00	6,434.08	6,763.10
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Per share (THB)	(0.47)	(4.05)	5.01		
CFF per share	(0.17)	(4.65)	5.81	5.55	5.19
CFE per share Recurring cash flow per share	(0.82) 2.69	0.81 2.02	2.20 3.97	2.11 3.95	2.22 3.71
- ·					
alance Sheet (THB m) Year Ending Dec	2020	2021	2022E	2023E	2024E
angible fixed assets (gross)	13,876	31,070	31,570	32,070	32,570
ess: Accumulated depreciation	(5,875)	(7,259)	(8,651)	(10,043)	(11,435
angible fixed assets (net)	8,001	23,811	22,919	22,027	21,13
ntangible fixed assets (net)	38	42	42	42	42
ong-term financial assets	-		-	-	
nvest. in associates & subsidiaries	26,639	33,766	33,766	33,766	33,766
Cash & equivalents	2,169	2,635	7,060	11,056	15,381
/C receivable	938	1,311	1,311	1,311	1,31
nventories	505	1,186	854	939	794
Other current assets	3,907	4,750	4,856	5,332	5,426
current assets Other assets	7,519 7,366	9,883 7,364	14,082 7,364	18,638 7,364	22,91 2 7,364
otal assets	49,563		78,174	81,838	85,220
Common equity	49,565 41,109	74,867 45,635	48,787	51,972	65,220 55,151
/inorities etc.	869	3,944	4,133	4,324	4,514
otal shareholders' equity	41,978	49,579	52,920	56,296	59,665
ong term debt	3,481	13,965	13,965	13,965	13,965
Other long-term liabilities	37	354	354	354	354
ong-term liabilities	3,518	14,319	14,319	14,319	14,319
VC payable	170	331	238	262	222
Short term debt	2,405	7,991	7,991	7,991	7,991
Other current liabilities	1,492	2,647	2,706	2,971	3,023
Current liabilities	4,067	10,968	10,935	11,223	11,23
otal liabilities and shareholders' equity	49,563	74,867	78,174	81,838	85,220
let working capital	3,687	4,270	4,078	4,350	4,287
ivested capital	45,731	69,254	68,170	67,550	66,594
Includes convertibles and preferred stock which is be	ing treated as debt				
er share (THB)					
ook value per share	13.47	14.97	16.01	17.05	18.10
angible book value per share	13.46	14.96	15.99	17.04	18.08
inancial strength					
let debt/equity (%)	8.9	39.0	28.1	19.4	11.(
let debt/total assets (%)	7.5	25.8	19.1	13.3	7.7
current ratio (x)	1.8	0.9	1.3	1.7	2.0
F interest cover (x)	(2.9)	(36.1)	22.2	28.5	43.2
aluation	2020	2021	2022E	2023E	2024E
	12.1		9.4		9.1
ecurring P/E (x) *	12.1 14.4	19.6 23.4	9.4 11.2	9.1 10.8	9. ⁻ 10.9
ecurring P/E @ target price (x) *			11.2 9.4		
eported P/E (x)	13.8	16.4		9.1	9.1
ividend yield (%)	3.9 1.2	3.9	4.8	4.8	4.8
rice/book (x)		1.1	1.0	1.0	0.9
rice/tangible book (x)	1.2	1.1 (174.0)	1.1 35.7	1.0	
V/EBITDA (x) ** V/EBITDA @ target price (x) **	31.9 37.4	(174.0) (196.8)	35.7 40.7	26.7 30.7	18.4 21.3
V/EBITDA @ target price (x) **	37.4	(190.8)	40.7	30.7	21.5
V/invested capital (x)	1.2	1.1	1.0	1.0	0.9

Sources: Banpu Power; FSSIA estimates



Corporate Governance report of Thai listed companies 2020

EXCELLE	NT LEVEL									
AAV	ADVANC	AF	AIRA	AKP	AKR	ALT	AMA	AMATA	AMATAV	ANAN
AOT	AP	ARIP	ARROW	ASP	BAFS	BANPU	BAY	BCP	BCPG	BDMS
BEC	BEM	BGRIM	BIZ	BKI	BLA	BOL	BPP	BRR	BTS	BWG
CENTEL	CFRESH	CHEWA	CHO	CIMBT	СК	CKP	CM	CNT	COL	COMAN
COTTO	CPALL	CPF	CPI	CPN	CSS	DELTA	DEMCO	DRT	DTAC	DTC
DV8	EA	EASTW	ECF	ECL	EGCO	EPG	ETE	FNS	FPI	FPT
FSMART	GBX	GC	GCAP	GEL	GFPT	GGC	GPSC	GRAMMY	GUNKUL	HANA
HARN	HMPRO	ICC	ICHI	III	ILINK	INTUCH	IRPC	IVL	JKN	JSP
JWD	К	KBANK	KCE	KKP	KSL	KTB	KTC	LANNA	LH	LHFG
LIT	LPN	MAKRO	MALEE	MBK	MBKET	MC	MCOT	METCO	MFEC	MINT
MONO	MOONG	MSC	MTC	NCH	NCL	NEP	NKI	NOBLE	NSI	NVD
NYT	OISHI	ORI	OTO	PAP	PCSGH	PDJ	PG	PHOL	PLANB	PLANET
PLAT	PORT	PPS	PR9	PREB	PRG	PRM	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	SCN	SDC
SEAFCO	SEAOIL	SE-ED	SELIC	SENA	SIRI	SIS	SITHAI	SMK	SMPC	SNC
SONIC	SORKON	SPALI	SPI	SPRC	SPVI	SSSC	SST	STA	SUSCO	SUTHA
SVI	SYMC	SYNTEC	TACC	TASCO	TCAP	TFMAMA	THANA	THANI	THCOM	THG
THIP	THRE	THREL	TIP	TIPCO	TISCO	тк	TKT	TTB	TMILL	TNDT
TNL	TOA	TOP	TPBI	TQM	TRC	TSC	TSR	TSTE	TSTH	TTA
TTCL	TTW	TU	TVD	TVI	TVO	TWPC	U	UAC	UBIS	UV
VGI	VIH	WACOAL	WAVE	WHA	WHAUP	WICE	WINNER	TRUE		

VERY GO	OD LEVEL									
2S	ABM	ACE	ACG	ADB	AEC	AEONTS	AGE	AH	AHC	AIT
ALLA	AMANAH	AMARIN	APCO	APCS	APURE	AQUA	ASAP	ASEFA	ASIA	ASIAN
ASIMAR	ASK	ASN	ATP30	AUCT	AWC	AYUD	В	BA	BAM	BBL
BFIT	BGC	BJC	BJCHI	BROOK	BTW	CBG	CEN	CGH	CHARAN	CHAYO
CHG	CHOTI	CHOW	CI	CIG	CMC	COLOR	COM7	CPL	CRC	CRD
CSC	CSP	CWT	DCC	DCON	DDD	DOD	DOHOME	EASON	EE	ERW
ESTAR	FE	FLOYD	FN	FORTH	FSS	FTE	FVC	GENCO	GJS	GL
GLAND	GLOBAL	GLOCON	GPI	GULF	GYT	HPT	HTC	ICN	IFS	ILM
IMH	INET	INSURE	IRC	IRCP	IT	ITD	ITEL	J	JAS	JCK
JCKH	JMART	JMT	KBS	KCAR	KGI	KIAT	KOOL	KTIS	KWC	KWM
L&E	LALIN	LDC	LHK	LOXLEY	LPH	LRH	LST	М	MACO	MAJOR
MBAX	MEGA	META	MFC	MGT	MILL	MITSIB	MK	MODERN	MTI	MVP
NETBAY	NEX	NINE	NTV	NWR	000	OGC	OSP	PATO	PB	PDG
PDI	PICO	PIMO	PJW	PL	PM	PPP	PRIN	PRINC	PSTC	PT
QLT	RCL	RICHY	RML	RPC	RWI	S11	SALEE	SAMCO	SANKO	SAPPE
SAWAD	SCI	SCP	SE	SEG	SFP	SGF	SHR	SIAM	SINGER	SKE
SKR	SKY	SMIT	SMT	SNP	SPA	SPC	SPCG	SR	SRICHA	SSC
SSF	STANLY	STI	STPI	SUC	SUN	SYNEX	т	TAE	TAKUNI	TBSP
тсс	TCMC	TEAM	TEAMG	TFG	TIGER	TITLE	TKN	TKS	ТМ	TMC
TMD	TMI	TMT	TNITY	TNP	TNR	TOG	TPA	TPAC	TPCORP	TPOLY
TPS	TRITN	TRT	TRU	TSE	TVT	TWP	UEC	UMI	UOBKH	UP
UPF	UPOIC	UT	UTP	UWC	VL	VNT	VPO	WIIK	WP	хо

GOOD LE	VEL									
7UP	А	ABICO	AJ	ALL	ALUCON	AMC	APP	ARIN	AS	AU
B52	BC	BCH	BEAUTY	BGT	BH	BIG	BKD	BLAND	BM	BR
BROCK	BSBM	BSM	BTNC	CAZ	CCP	CGD	CITY	CMAN	CMO	CMR
CPT	CPW	CRANE	CSR	D	EKH	EP	ESSO	FMT	GIFT	GREEN
GSC	GTB	HTECH	HUMAN	IHL	INOX	INSET	IP	JTS	JUBILE	KASET
KCM	KKC	KUMWEL	KUN	KWG	KYE	LEE	MATCH	MATI	M-CHAI	MCS
MDX	MJD	MM	MORE	NC	NDR	NER	NFC	NNCL	NPK	NUSA
OCEAN	PAF	PF	PK	PLE	PMTA	POST	PPM	PRAKIT	PRECHA	PRIME
PROUD	PTL	RBF	RCI	RJH	ROJNA	RP	RPH	RSP	SF	SFLEX
SGP	SISB	SKN	SLP	SMART	SOLAR	SPG	SQ	SSP	STARK	STC
SUPER	SVOA	TC	TCCC	THMUI	TIW	TNH	TOPP	TPCH	TPIPP	TPLAS
TTI	TYCN	UKEM	UMS	VCOM	VRANDA	WIN	WORK	WPH		
		Description						Score	Range	
		Excellent						90-1	100	
		Very Good			80-89					
		Good			70-79					

Disclaimer:

YUASA

ZEN

ZIGA

ZMICO

The disclosure of the survey results 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 results may be changed after that date. FSS International Investment Advisory Company Limited does not confirm nor certify the accuracy of such survey results. * CGR scoring should be considered with news regarding wrong doing of the company or director or executive of the company such unfair practice on securities trading, fraud,

and corruption SEC imposed a civil sanction against insider trading of director and executive; ** delisted

Source: Thai Institute of Directors Association (IOD); FSSIA's compilation

Anti-corruption Progress Indicator 2020

CERTIFIED										
2S	ADVANC	AI	AIE	AIRA	AKP	AMA	AMANAH	AP	AQUA	ARROW
ASK	ASP	AYUD	В	BAFS	BANPU	BAY	BBL	BCH	BCP	BCPG
BGC	BGRIM	BJCHI	BKI	BLA	BPP	BROOK	BRR	BSBM	BTS	BWG
CEN	CENTEL	CFRESH	CGH	CHEWA	CHOTI	CHOW	CIG	CIMBT	CM	CMC
COL	COM7	CPALL	CPF	CPI	CPN	CSC	DCC	DELTA	DEMCO	DIMET
DRT	DTAC	DTC	EASTW	ECL	EGCO	FE	FNS	FPI	FPT	FSS
FTE	GBX	GC	GCAP	GEL	GFPT	GGC	GJS	GPSC	GSTEEL	GUNKUL
HANA	HARN	HMPRO	HTC	ICC	ICHI	IFS	INET	INSURE	INTUCH	IRPC
ITEL	IVL	к	KASET	KBANK	KBS	KCAR	KCE	KGI	KKP	KSL
КТВ	КТС	KWC	L&E	LANNA	LHFG	LHK	LPN	LRH	Μ	MAKRO
MALEE	MBAX	MBK	MBKET	MC	MCOT	MFC	MFEC	MINT	MONO	MOONG
MPG	MSC	MTC	MTI	NBC	NEP	NINE	NKI	NMG	NNCL	NSI
NWR	OCC	OCEAN	OGC	ORI	PAP	PATO	PB	PCSGH	PDG	PDI
PDJ	PE	PG	PHOL	PL	PLANB	PLANET	PLAT	PM	PPP	PPPM
PPS	PREB	PRG	PRINC	PRM	PSH	PSL	PSTC	PT	PTG	PTT
PTTEP	PTTGC	PYLON	Q-CON	QH	QLT	QTC	RATCH	RML	RWI	S & J
SABINA	SAT	SC	SCB	SCC	SCCC	SCG	SCN	SEAOIL	SE-ED	SELIC
SENA	SGP	SIRI	SITHAI	SMIT	SMK	SMPC	SNC	SNP	SORKON	SPACK
SPC	SPI	SPRC	SRICHA	SSF	SSSC	SST	STA	SUSCO	SVI	SYNTEC
TAE	TAKUNI	TASCO	TBSP	TCAP	TCMC	TFG	TFI	TFMAMA	THANI	THCOM
THIP	THRE	THREL	TIP	TIPCO	TISCO	ТКТ	TTB	TMD	TMILL	TMT
TNITY	TNL	TNP	TNR	TOG	TOP	TPA	TPCORP	TPP	TRU	TSC
TSTH	TTCL	TU	TVD	TVI	TVO	TWPC	U	UBIS	UEC	UKEM
UOBKH	UWC	VGI	VIH	VNT	WACOAL	WHA	WHAUP	WICE	WIIK	XO
ZEN	TRUE									
DECLARED										
7UP	ABICO	AF	ALT	AMARIN	AMATA	AMATAV	ANAN	APURE	B52	BKD
BM	BROCK	BUI	СНО	CI	сотто	DDD	EA	EFORL	EP	ERW
ESTAR	ETE	EVER	FSMART	GPI	ILINK	IRC	J	JKN	JMART	JMT
JSP	JTS	KWG	LDC	MAJOR	META	NCL	NOBLE	NOK	PK	PLE
ROJNA	SAAM	SAPPE	SCI	SE	SHANG	SINGER	SKR	SPALI	SSP	STANLY
SUPER	SYNEX	THAI	TKS	TOPP	TRITN	TTA	UPF	UV	WIN	ZIGA
Level										
Certified			l participation wi		kamination in rela					

This level indicates practical participation with thoroughly examination in relation to the recommended procedures from the audit committee or the SEC's certified auditor, being a certified member of Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) or already passed examination to ensure independence from external parties.

Declared This level indicates determination to participate in the Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC)

Disclaimer:

The disclosure of the Anti-Corruption Progress Indicators of a listed company on the Stock Exchange of Thailand, which is assessed by Thaipat Institute, is made in order to comply with the policy and sustainable development plan for the listed companies of the Office of the Securities and Exchange Commission. Thaipat Institute 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 Thaipat Institute that is 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, FSS International Investment Advisory Company Limited does not confirm, verify, or certify the accuracy and completeness of the assessment results.

Note: Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of June 24, 2019) are categorised into: 1) companies that have declared their intention to join CAC, and; 2) companies certified by CAC.

Source: The Securities and Exchange Commission, Thailand; * FSSIA's compilation

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ANALYST(S) CERTIFICATION

Suwat Sinsadok, CFA, FRM, ERP FSS International Investment Advisory Securities Co., Ltd

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History of change in investment rating and/or target price



Suwat Sinsadok, CFA, FRM, ERP started covering this stock from 17-Jun-2020

Price and TP are in local currency

Source: FSSIA estimates

Company	Ticker	Price	Rating	Valuation & Risks
Banpu Power	BPP TB	THB 16.80	BUY	Downside risks to our SOTP valuation are the start-up delays of its new projects and government intervention in the electricity tariff.

Source: FSSIA estimates

Additional Disclosures

Target price history, stock price charts, valuation and risk details, and equity rating histories applicable to each company rated in this report is available in our most recently published reports. You can contact the analyst named on the front of this note or your representative at Finansia Syrus Securities Public Company Limited

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All share prices are as at market close on 23-Feb-2022 unless otherwise stated.



RECOMMENDATION STRUCTURE

Stock ratings

Stock ratings are based on absolute upside or downside, which we define as (target price* - current price) / current price.

BUY (B). The upside is 10% or more.

HOLD (H). The upside or downside is less than 10%.

REDUCE (R). The downside is 10% or more.

Unless otherwise specified, these recommendations are set with a 12-month horizon. Thus, it is possible that future price volatility may cause a temporary mismatch between upside/downside for a stock based on market price and the formal recommendation.

* In most cases, the target price will equal the analyst's assessment of the current fair value of the stock. However, if the analyst doesn't think the market will reassess the stock over the specified time horizon due to a lack of events or catalysts, then the target price may differ from fair value. In most cases, therefore, our recommendation is an assessment of the mismatch between current market price and our assessment of current fair value.

Industry Recommendations

Overweight. The analyst expects the fundamental conditions of the sector to be positive over the next 12 months. **Neutral.** The analyst expects the fundamental conditions of the sector to be maintained over the next 12 months. **Underweight.** The analyst expects the fundamental conditions of the sector to be negative over the next 12 months.

Country (Strategy) Recommendations

Overweight (O). Over the next 12 months, the analyst expects the market to score positively on two or more of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Neutral (N). Over the next 12 months, the analyst expects the market to score positively on one of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

Underweight (U). Over the next 12 months, the analyst does not expect the market to score positively on any of the criteria used to determine market recommendations: index returns relative to the regional benchmark, index sharpe ratio relative to the regional benchmark and index returns relative to the market cost of equity.

