Small Cap RHB **Asean Research**

25 October 2021

Bali Towerindo Sentra (BALI IJ)

Hidden Gem; Initiate BUY

- Initiate BUY with IDR1,300 TP, 69% upside. Indonesia's only independent listed towerco has two main pillars (60% tower revenue and 40% network). Bali Towerindo Sentra has the sector's highest revenue and EBITDA/tenant (given its Badung-Bali exclusivity) and the lowest capex/tower. Valued at a c.69% SOP discount (FY22F EBITDA: 10.8x (cellular), 6x (non-cellular)), it operates 3,712 towers and c.7,000km of fibre optics. BALI is set to book 18% FY21F-24F revenue CAGR from operators' network densification and strong growth in data traffic and public-private partnership (PPP) projects.
- 60% and 40% revenue contributions from tower and network leases, with tenant growth for the tower segment. BALI pioneered the leasing of fibre optic bandwidths in bundles with towers. It focuses on building towers in densely populated cities, not as a built-to-suit tower provider. This way it is able to create scale for its fibre optic network while still having the sector's lowest capex/tower - due to low land-lease costs, given its collaborations with local governments. Consequently, BALI has 60% and 40% revenue contributions from tower and network leases. This provides relief from the risk of lower tower renewal rates faced by the other tower providers. BALI also enjoys continuing topline contribution growth from network leases driven by exponential growth in data traffic from cellular operators, especially with even higher 4G users and potential 5G rollouts.
- Fibre to the x (FTTx) growth from government projects and retail penetration. BALI's fibre optic network was initially rolled out to fibre-ise its towers, given the expected strong data traffic growth. With minimal additional capex, expansion into the FTTx segment provides additional growth support - currently contributes 45% to revenue. Government-related revenue accounted for 40% of the non-cellular segment's 3Q21 topline, of which the Special Capital District of Jakarta's (DKI Jakarta) wireless internet subsidy since the pandemic - JakWifi - contributed c.83%. Going forward, BALI plans to participate in government PPP projects, which can contribute 16-20% in revenue growth. Growing active subs (55k currently) in the retail user segment should also further support non-cellular EBITDA margins (65% currently), as the company has over 200k home-passed.
- Outlook and valuation: 69% SOP discount with 18% FY21F-24F CAGR revenue growth. We derive our IDR1,300 TP based on an SOP valuation of BALI's cellular (IDR4.9trn) and non-cellular (IDR2.2trn) pillars. We value the cellular wing at 10.8x FY22F EV/EBITA, on par with the valuation of SUPR acquisition with 20% liquidity discount. For the non-cellular business, we use 6x FY22F EV/EBITDA, still some discount to Link Net's (LINK IJ, NR) indicative acquisition valuation, with an additional 20% discount. FY21-24 revenue CAGR is forecasted at 18%, driven by government projects (10%) and FTTx subs penetration growth (50%). BALI should enjoy higher tenancy ratio, driven by continued strong data traffic from operators demanding for network densification.
- Our TP has a 6% ESG premium based on our in-house methodology.

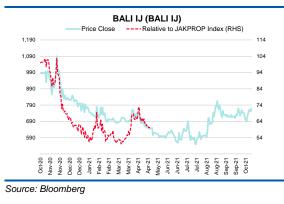
Forecasts and Valuation	Dec-19	Dec-20	Dec-21F	Dec-22F	Dec-23F
Total turnover (IDRb)	618	779	960	1,148	1,347
Recurring net profit (IDRb)	47	88	268	318	443
Recurring net profit growth (%)	(9.8)	87.4	203.5	18.9	39.1
Recurring P/E (x)	64.34	34.34	11.31	9.52	6.84
P/B (x)	1.6	1.4	1.3	1.2	1.1
P/CF (x)	16.00	15.26	8.59	6.10	4.84
Dividend Yield (%)	na	3.9	5.6	6.2	7.7
EV/EBITDA (x)	11.69	9.30	7.57	6.53	5.67
Return on average equity (%)	2.6	4.1	11.6	12.8	16.4
Net debt to equity (%)	94.7	88.9	89.1	90.8	86.7
Source: Company data, RHB					

Communications | Telecommunications Infrastructure

Buv

Target Price (Return): Price (Market Cap): ESG score: Avg Daily Turnover (IDR/USD)	IDR1,300 (68.8%) IDR770 (USD215m) 3.30 (out of 4) 1,304m/0.09m
Analysts	
Michael Setjoadi +6221 5093 9844 michael.setjoadi@rhbgroup.com	AND
Marco Antonius +6221 5093 9849 marco.antonius@rhbgroup.com	
Share Performance (%) YTD 1m	3m 6m 12m

	YTD	1m	3m	6m	12m
Absolute	(3.8)	6.9	31.6	16.7	(17.2)
Relative	7.6	6.9	31.6	15.3	(29.8)
52-wk Price low			550 ·	- 1,090	



Overall ESG Score: 3.30 (out of 4)

E: EXCELLENT

The company always provides coordination with the surrounding people before starting to build the tower and runs the process as well as obtains the required licenses, including Building Permit (IMB). To ensure the safety of surrounding people, the Company also conducts periodic examination towards the telecommunication towers.

S: EXCELLENT

The company continuously helps the Local Government in providing a contribution in the form of output monitoring through CCTV procurement for the implementation of micro cellular pole ("MCP") construction project in DKI Jakarta and other big cities in Java Island.

G: EXCELLENT

BALI implements five basic principles on maintaining good corporate governance by being transparent, accountable, responsible, independent, and equal. The company also delivers high earnings quality, along with putting into practise transparent business ethics.

Note:

Small cap stocks are defined as companies with a market capitalisation of less than USD1bn.



Small Cap **Asean Research**

2,945

2,800

5,744

Dec-23F

17.3

39.1

64.2

71.5

32.4

53.2

42.7

3.87

2,776

2,520

5,296

Dec-22F

19.7

18.9

62.6

70.9

27.2

59.7

45.2

2.91

Communications | Telecommunications Infrastructure

25 October 2021

Financial Exhibits

Asia	Financial summary (IDR)	Dec-19	Dec-20	Dec-21F	Dec-22F	Dec-23F
Indonesia	Recurring EPS	11.97	22.42	68.05	80.92	112.52
Communications	DPS	-	30.00	43.12	47.42	58.94
BALI TOWERINDO SENTRA TBK	BVPS	482.48	554.03	597.32	640.44	711.57
BALI IJ	Return on average equity (%)	2.6	4.1	11.6	12.8	16.4
Buy						
Buy	Valuation metrics	Dec-19	Dec-20	Dec-21F	Dec-22F	Dec-23F
Valuation basis	Recurring P/E (x)	64.34	34.34	11.31	9.52	6.84
	P/B (x)	1.6	1.4	1.3	1.2	1.1
SOTP	FCF Yield (%)	(17.7)	(11.1)	(1.5)	(0.8)	1.7
	Dividend Yield (%)	-	3.9	5.6	6.2	7.7
Key drivers	EV/EBITDA (x)	11.69	9.30	7.57	6.53	5.67
i. Higher contribution from Government projects	EV/EBIT (x)	17.37	13.74	9.95	8.32	7.04
ii. Development of Jakarta Smart City project						
iii. Potentially to be acquired as it is the only small	Income statement (IDRb)	Dec-19	Dec-20	Dec-21F	Dec-22F	Dec-23F
listed tower company in the market.	Total turnover	618	779	960	1,148	1,347
	Gross profit	337	423	585	718	866
Key risks	EBITDA	413	534	677	814	963
i. Losing contracts on being involved in Jakarta	Depreciation and amortisation	(135)	(173)	(162)	(175)	(188)
Smart City project;	Operating profit	278	362	515	639	775
ii. Lower tower lease rate.	Net interest	(206)	(226)	(160)	(220)	(200)
	Pre-tax profit	70	130	350	412	566
Company Profile	Taxation	(24)	(46)	(86)	(99)	(130)
Bali Towerindo Sentra operates in the tower leasing	Reported net profit	46	84	264	312	436
industry, FTTx and data center. The company leases antena space on self-owned multi-tenant Base	Recurring net profit	47	88	268	318	443
Trasceiver Station (BTS) towers primarily to mobile	Cash flow (IDRb)	Dec-19	Dec-20	Dec-21F	Dec-22F	Dec-23F
cellular operators.	Change in working capital	52	13	(27)	19	(12)
	Cash flow from operations	189	199	353	496	626
	Capex	(726)	(534)	(399)	(519)	(575)
	Cash flow from investing activities	(669)	(341)	(397)	(519)	(575)
	Dividends paid	0	(0)	(118)	(170)	(187)
	Cash flow from financing activities	482	227	1	(3)	(50)
	Cash at beginning of period	18	21	105	62	36
	Net change in cash	3	84	(43)	(26)	0
	Ending balance cash	21	105	62	36	36
	Balance sheet (IDRb)	Dec-19	Dec-20	Dec-21F	Dec-22F	Dec-23F
	Total cash and equivalents	21	105	62	36	36
	Tangible fixed assets	3,615	4,153	4,396	4,746	5,140
	Total assets	4,148	4,652	4,902	5,296	5,744
	Short-term debt	731	304	374	461	648
	Total long-term debt	1,088	1,739	1,783	1,862	1,816

2,249

1,898

4,148

Dec-19

33.1

(9.8)

54.5

66.9

7.5

0.0

117.5

1.35

2,472

2,180

4,652

Dec-20

26.1

87.4

54.3

68.6

10.8

139.9

68.6

1.60

2,552

2,350

4,902

Dec-21F

23.2

203.5

61.0

70.6

27.5

64.4

41.6

3.23

Total liabilities

Total liabilities & equity

Revenue growth (%)

Net profit margin (%)

Dividend payout ratio (%)

Gross margin (%)

Capex/sales (%)

Interest cover (x)

Recurrent EPS growth (%)

Operating EBITDA margin (%)

Total equity

Key metrics

Source: Company data, RHB

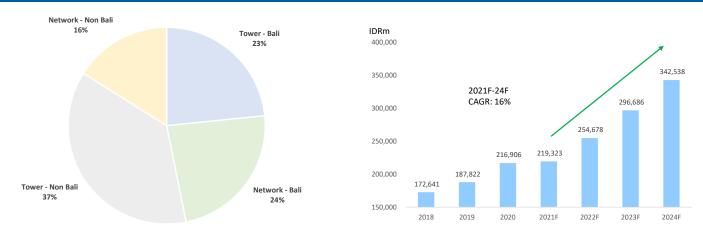


Key Investment Highlights

BALI is a pioneer in tower+network bundled lease agreements, with 60% and 40% revenue contributions split for its tower and network businesses. Unlike other tower operators, the company always leases towers in bundles with fibre optic bandwidth – charging based on capacity on a usual 10-year contract. This enables BALI to enjoy higher lease revenues from the continuously growing cellular data traffic demand incurred by the lessees, especially with even higher 4G users and future 5G rollouts.

BALI is focused on building towers in densely populated cities, not as a built-to-suit tower provider. This way, the company is able to create fibre optic network scale while still having the lowest capex per tower in the sector – the latter is attributed to its low land-lease costs, as it collaborates with local governments. Network leases provide a relief to BALI from the risk of lower tower renewal rates, as all towers contribute two revenue streams: i) Space and ii) capacity leases.

Figure 1: Network revenue comprises 40% of total cellular contributions in 3Q21



Source: Company data, RHB

Figure 2: Network revenue trend

16% 2021F-2024F CAGR network (only) revenue growth is supported by continued growing data traffic. Greater 4G coverage and subs have enabled the three largest telco operators to record 30% YoY growth as of 2Q21, in terms of average data traffic per user. We expect 5G implementation to further boost data traffic ahead.

Figure 3: Top 3 Indonesian operators' average mobile data usage per sub



Note: The average mobile data usage was gathered from XL Axiata, Indosat, and Telkom Indonesia only Source: Company data, RHB

Source: Company data, RHB

Bali Towerindo Sentra	Small Cap	Indonesia Initiating Coverage
	Asean Research	
25 October 2021	Communicati	ons Telecommunications Infrastructure

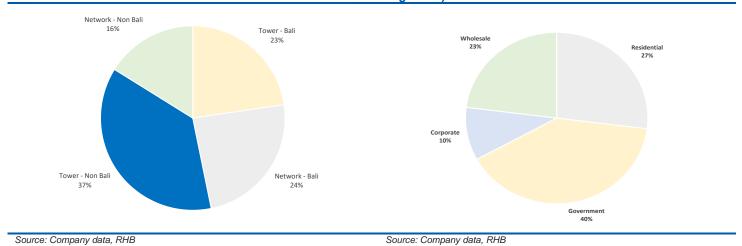
FTTx growth: Government projects to improve efficiencies

BALI currently has 6,926km of fibre optics in its network, of which 79% are in Greater Jakarta. Note that all of its towers have been fibre-ised, while 40% of revenue from telecommunication operators comes from the network (fibre optic backbone lease by bandwidth). In the residential FTTx segment, BALI currently has more than 200k FTTx homes passed, which comes up to 20% of homes connected, with ARPU of IDR195k per month as of 9M21. Jakarta's administration has become one of the largest tenants of FTTx, with revenue contributing 40% of the non-cellular segment.

Given the limited additional investments (only fishbone networks to uncovered areas, if any), the government project has helped BALI to improve its EBITDA margin. Aside from the Government, there are currently 50k active residential subs – and this is expected to grow by 69% YoY in 2022 as BALI offers 20-40% discounts to incumbents.



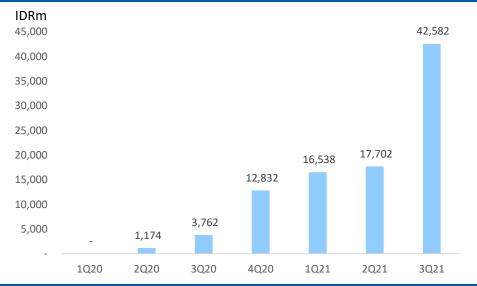




For the Jakarta Smart City project, JakWifi is just the start

JakWifi currently contributes about 53% of BALI's revenue from governments, which was equal to IDR4.25bn in monthly revenue in 2Q21. JakWifi is the Jakarta local government's project to provide free Wifi internet access in underprivileged areas – which will help low-income households stay connected during the lockdown. We believe that the JakWifi contract should be extended, even after the pandemic ends. In addition, BALI plans to provide FTTx to some 300-400 government institutions in Jakarta from 2022 onwards, which could generate additional revenue growth of 16-17% over the next two years.





Source: Company data, RHB



Bali Towerindo Sentra	Small Cap	Indonesia Initiating Coverage
	Asean Research	
25 October 2021	Communicat	ions Telecommunications Infrastructure

Other revenue streams from Jakarta's district administration

This would involve closed-circuit televisions (CCTV) that were provided by BALI in 2015 as part of its corporate social responsibility (CSR) programme, in return for 4,000 new micropole (MCP) sites in the city, under a lease of over 10 years. However, Jakarta's administration is still required to lease the bandwidth network for the CCTVs to help monitor traffic, crime, or flooding. BALI is also the single qualified tender participant in the Electronic Road Pricing (ERP) programme for this administration. The project not only requires a bandwidth contract to BALI, but also commercial collaboration for the apps related to the ERP, the payment system and potential digital advertising revenues. Note that most of the projects in Jakarta are utilising the existing backbone network, with minimal additional network investments. Additional investments for the fishbone network for last-mile connection only account for 15-20% of additional capex on top of the total that has been spent.

Figure 7: BALI's MCP in Jakarta



Figure 8: Output CCTV monitoring system in Jakarta



Source: Company data

Potential expansion of its data centre business

BALI has 60 racks on its data centre located in the heart of Jakarta, with a 85% occupancy rate – mostly used for cellular and internal purposes. Management plans to expand to a new data centre site, leveraging on existing customers (telco operators) that work closely with content providers and other hyperscale customers. Indonesia's data protection laws require private information to be held onshore – which should enable the domestic data centre industry to grow exponentially ahead due to the country's large population.

Figure 9: BALI's data centre building



Source: Company data

Is BALI a target for acquisition?

Soon after the Indonesian Government allowed foreigners to invest in the tower sector, there were six acquisition deals, with two of them being majority stake takeovers, Centratama Telekomunikasi Indonesia (CENT IJ, NR) at 10x EV/EBITDA and the last acquisition went down for 13.5x EV/EBITDA for Solusi Tunas Pratama (STP) (SUPR IJ, NR), 35% re-rating in valuations. Inti Bangun Sejahtera (IBST IJ, NR) sold most of its towers to Tower Bersama Infrastructure (TBIG J, NR) in 2020. BALI is the only remaining listed tower company that has not had a majority stake that was acquired. Also, the valuations of acquired tower companies have significantly increased in the past year, after the foreigners were able to invest in the sector. In 2021, CENT purchased Indosat's (ISAT IJ, NEUTRAL, TP: IDR7,000) towers for IDR1.4bn per tenant. Sarana Menara Nusantara (TOWR IJ, NR) acquired SUPR for IDR2bn per tenant, at a 50-60% premium over past acquisitions prior to the Omnibus law. Currently BALI's towers are valued at IDR1.1bn in EV/tenant, with 2,829 tenants. This is in view of the high liquidity in the global financial market with US Treasury bills' 10-year yield at just c.1.5% and the low average EV/EBITDA of Indonesia's tower sector (at 13.5x 22F vs the regional average of 26x for tower companies in developed markets), creating large opportunities for Indonesian tower companies to be acquired.

Figure 10: Post the Omnibus Law, valuations for tower acquisition re-rated 50-60%

Year	Seller	Buyer	# towers	# tenants	Tenancy ratio(x)	Value/Tenant (IDRbn)	Purchase Price (IDRbn)	Value/tower (IDRbn)
Before Or	nnibus Law							
2012	ISAT	TBIG	2,500	3,900	1.6	1.2	4,700	1.9
2014	EXCL	STP	3,500	5,800	1.7	1.0	5,600	1.6
2016	EXCL	TOWR	2,500	3,759	1.5	1.0	3,600	1.4
2017	STI Sampoerna	IBST	371	n/a	n/a	n/a	415	1.1
2018	KIN Komet	TOWR	1,459	2,015	1	0.7	1,400	1.0
2019	ISAT	Mitratel	2,100	3,990	1.9	1.1	4,329	2.1
2019	ISAT	TOWR	1,000	1,900	1.9	1.1	2,061	2.1
2020	EXCL	TOWR	1,728	2,600	1.5	0.9	2,430	1.4
2020	EXCL	CENT	1,054	1,581	1.5	1.0	1,620	1.5
2020	TLKM	Mitratel	6,050	8,470	1.4	1.2	10,300	1.7
2020	IBST	TBIG	3,000	4,200	1.4	0.9	3,970	1.3
2021	CENT (42% stake)	Digital Colony	3,848	6,118	1.6	1.0	6,173	1.6
2021	CENT (33% stake)	Digital Colony	3,848	6,118	1.6	1.0	6,173	1.6
Average					1.6	1.0		1.5
After Omr	nibus Law							
2021	ISAT	Digital Colony	4,247	7,645	1.8	1.4	10,472	2.5
2021	SUPR	TOWR	6,422	12,138	1.9	2.0	24,000	3.7
Average				-	1.8	1.7		3.1

Source: Various sources, RHB





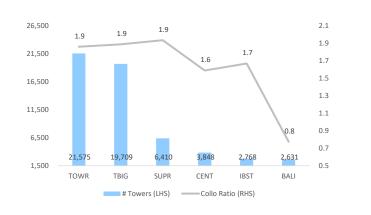
Bali Towerindo Sentra	Small Cap	ndonesia Initiating Coverage
	Asean Research	
25 October 2021	Communications	Telecommunications Infrastructure

Consolidating tower providers, higher sector valuation

Post the transactions discussed in the paragraph earlier, either foreign investors or large tower companies (TOWR and TBIG) have acquired smaller tower operators. Mitratel, Telekomunikasi Indonesia's (TLKM) subsidiary, recently added another 4,000 towers from Telkomsel, which took its total to 28,000 towers – the IPO of this tower company is scheduled for November.

This is followed by TOWR and TBIG, which own 28,000 and 20,000 towers. CENT owns close to 10,000 towers after acquiring ISAT's towers in 1Q21 (and was subsequently acquired by Digital Colony). SUPR with 6,422 towers has been acquired by TOWR, while most of IBST's towers have been sold to TBIG. BALI is the remaining independent listed tower company in Indonesia.

Figure 11: Number of towers in Indonesia by owner, as of 6M21



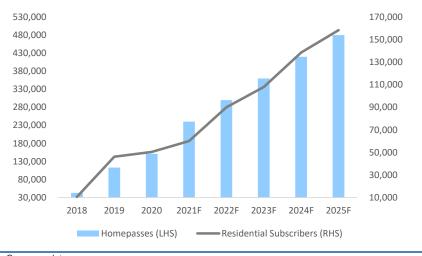
 BALI is the largest listed tower operator that has not been acquired. Note that Digital Colony acquired CENT at 13.9x 12M forward EV/EBITDA in 2020

Source: Various sources, RHB

Other growth catalysts:

- i. FTTx to see 20-30% growth from new subscribers;
- ii. High tower tenancy ratios with network densification in Jakarta, Surabaya and Bali pointing to higher data traffic, 5G network working with three layers of spectrum, ie switching from 4G to 5G;
- iii. Higher tower lease rates.

Figure 12: BALI's projected revenue from different governments in Indonesia



Source: Company data



Valuation

25 October 2021

EV/tenant and EV/EBITDA are more accurate metrics than EV/tower

On the back of the limited supply of tower assets available for sale left in the market and favourable new regulations that allow foreigners to own tower companies, there has been a rise in the valuations of recent tower sale transactions (Figure 10). Given that the tower sector is capital-intensive, many analysts have used EV/tower to compare this against the replacement cost. However, cash flow is generated through contracts, and the sectors should be valued for the long-term agreements inked. Variation in collocation ratios between tower assets create discrepancies against the EV/tower valuation metric. Hence, we believe EV/tenant and, ultimately, EV/EBITDA are the most accurate metrics to be used for valuing tower companies. In terms of EV/tenant, BALI currently trades at IDR1.1bn per tenant, which is still at a 50% discount to the recent 2021F average transaction value of IDR1.65bn.

69% SOP discount segmenting valuations between tower and FTTx

With numerous past acquisitions having made, either at the company or asset (ie tower)only level, we believe that the tower industry – after the Government allowed foreign investments to pour into this sector – is due for a significant re-rating 40-90% (figure 10). We have conservatively valued BALI at just an average of the two biggest tower players (TBIG and TOWR), at 13.5x 2022F EV/EBITDA for its cellular/tower related segments, and only at 7x 2022F EV/EBITDA for its FTTx, which equal to that of LINK's indicative acquisition valuation.

Figure 13: BALI's valuation

Business Line	2022F EBITDA (IDRbn)	Target EV/EBITDA (x)	Liquidity Discount (x)	Justification	Market Cap (IDRbn)	Stake	Effective Equity Value (IDRbn)
				7.5x at par with the			
				expected valuation of LINK			
FTTX	361	7.5	6.0	acquisition, and at par with	2,168	100%	2,168
				the regional peers fixed			
				broadband operator			
				13.5x at par with the valuation of SUPR			
Towers	451	13.5	10.8	acquisition, some premium	4,869	100%	4,869
Towers	401	10.0	10.0	to TOWR justified with	4,000	10070	4,000
				BALI's growth premium.			
						Total Equity Value (IDRbn)	7,037
						O/S Shares (bn)	3.93
						Debt (IDRbn)	2,323
						Cash (IDRbn)	36
						Implied Share price (IDR)	1,207
						ESG premium (6%)	1,280
						Rounded Share price	1,300
						Current Share Price	770
						Discount SOTP at current price	68.8%

Note: We apply 20% liquidity discount to this stock due to its thin trading liquidity Source: RHB

BALI's cellular/tower business is only valued at 7.5x 22F EV/EBITDA

Using the assumption of 6x 22F EV/EBITDA for BALI's FTTx business, the segment is valued at IDR2.2trn in enterprise value. The implied EV of the cellular segment is IDR4.9trn. With 2022F EBITDA growth estimates of 20% YoY, we have arrived at an EV/EBITDA of just 8x for FY22F, or 9.7x EV/EBITDA for FY21F. These still reflect wide discounts to the valuation of Digital Colony acquiring CENT, which was close to 10x EV/EBITDA. Given the limited number of towers that are available for sale, as well as the acquisition demand from large tower companies – especially with Mitratel set to undergo an IPO – we should see an accretive re-rating valuation for BALI.



Industry Outlook

Tower industry in Indonesia: Economies of scale and low funding costs

Rapid cellular technological development in the past eight years, moving from 2G to 3G and then to 4G have required telco operators to deploy heavy capex, in order to stay competitive. 4G data migration has put a further burden on operators, as subscribers are shifting away from high-margin legacy calls and short message service (SMS). As a result, the independent tower industry has started to grow as operators lighten their financial burden by outsourcing their tower assets. In 2013, 51.3% of the towers in Indonesia were owned by telco operators (compared with 15.2% currently, and these are mostly strategic towers held by the operators. This has fuelled the tower industry's growth inorganically, as they are acquired from operators then leased back.

Strong growth in data traffic due to 4G and potentially more in 5G technology. The requirement for towers to be fibre-ised has naturally created economies of scale for large tower operators, triggering an industry consolidation. The trend is further supported by the Government's new regulation that allows foreigners to wholly own tower companies – it was previously capped at a 67% maximum. Much stronger balance sheets from foreign investments could improve Indonesia's telecommunication infrastructure.

After the announcement of the Omnibus Law, there were several key highlights of this law that benefited tower companies:

- i. **Spectrum sharing and transfer:** This allows frequency holders to collaborate on spectrum sharing in implementing new technologies and assigning spectrum use to other telco operators;
- ii. **Infrastructure sharing:** Passive infrastructure sharing is mandatory for telco operators. Active infrastructure sharing is permitted based on mutual agreements between all parties;
- iii. **Tax exempt:** Foreign investors may be exempted from dividend taxes, if the dividend is invested domestically for a certain period;
- iv. **Negative investment list:** The number of negative investment lists decreased from 20 to six, which excludes foreign direct investments in towers.

When compared with tower companies in developed countries, Indonesia's are still trading at 13.5x 22F EV/EBITDA on average or a 48% discount to such markets. This justifies there still being room for such firms to be re-rated, as the valuation is still much cheaper while delivering similar performances.

	Revenue	EBITDA	EBITDA	Number Number		Per towe	er (IDRm)	Per tenar	nt (IDRm)	Capex per	ROE
BBG ticker	(IDRbn)	(IDRbn)	margin (%)	of towers			EBITDA	Revenue	EBITDA	tower (IDRm)	(%)*
BALI IJ	272	206	75.7	2,631	2,035	207	156	267	202	719	6.26
TOWR IJ	3,276	2,802	85.5	21,575	40,158	304	260	163	140	1,237	32.57
TBIG IJ	2,971	2,593	87.3	19,709	37,232	302	263	160	139	1,304	16.1
SUPR IJ	1,043	880	84.3	6,410	12,417	325	274	168	142	1,547	22.29
IBST IJ	502	357	71.2	2,768	4,621	363	258	217	155	903	1.52
CENT IJ	394	195	49.5	3,848	6,118	205	102	129	64	1,096	-29.9

Figure 14: 6M21 operational comparison of tower companies

Note: *ROE was trailing 6M21

Source: Various sources, RHB

Small Cap Indonesia Initiating Coverage Asean Research

Communications | Telecommunications Infrastructure

25 October 2021

Figure 15: Indonesia tower companies revenue/tower



168

SUPR IJ

163

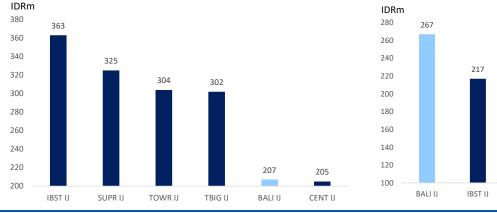
TOWR IJ

160

TBIG IJ

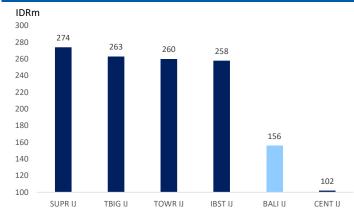
129

CENT IJ



Source: Various sources, RHB

Figure 17: Indonesia tower companies EBITDA/tower

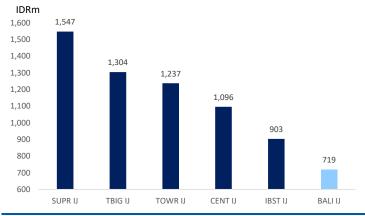


Source: Various sources, RHB



Source: Various sources, RHB





Source: Various sources, RHB

Source: Various sources, RHB



Small Cap Asean Research

25 October 2021

Communications | Telecommunications Infrastructure

Figure 20: Valuation comparison on tower companies

BBG Ticker	Company Name			Upside/	Market Cap			EBITDA Margin (%)		ROE (%)		EV/EBITDA (x)	
	Company Name	(LCY)	nating	Downside	(USDm)	turnover (USDm)	2022F	2023F	2022F	2023F	2022F	2023F	
BALI IJ Equity	Bali Towerindo	770	BUY	68.8%	213	0.10	70.9	71.5	12.7	16.0	5.5	4.6	
TOWR IJ EQUITY	Sarana Menara Nusantara	1,185	NR	N/A	4,256	8.3	85.8	84.4	27.5	26.5	10.5	9.7	
TBIG IJ EQUITY	Tower Bersama Infrastructure	2,940	NR	N/A	4,690	10.4	86.7	86.8	18.2	18.7	16.1	15.1	
Weighted Average	Weighted Average				9,159		85.9	85.3	22.4	22.3	13.2	12.3	
AMT US EQUITY	American Tower	284.5	NR	N/A	129,465	404.4	63.4	63.9	44.2	77.0	25.7	24.2	
CCI US EQUITY	Crown Castle International	179.1	NR	N/A	77,415	294.5	60.3	61.0	18.5	21.6	24.4	23.6	
SBAC US EQUITY	SBA Communication	345.6	NR	N/A	37,864	175.0	70.6	71.3	-8.1	-9.4	29.6	28.0	
Weighted Average					244,744		63.5	64.1	28.0	46.1	25.9	24.6	

Source: Bloomberg, RHB

Figure 21: Indonesia listed tower companies

	· · · · · · · · · · · · · · · · · · ·
BBG Ticker	Description
BALI IJ	Bali Towerindo Sentra operates in the tower leasing industry. The company leases antenna space on self-owned multi-tenant Base Transceiver Station towers primarily to mobile cellular operators.
TOWR IJ	Sarana Menara Nusantara, through a subsidiary, builds telecommunications towers. The company constructs, operates, and rents the towers to mobile telecommunications services providers.
TBIG IJ	Tower Bersama Infrastructure provides telecommunication infrastructure services to Indonesian wireless carriers. The company develops and operates telecommunication supporting infrastructure including tower and in-building systems across Indonesia.
SUPR IJ	Solusi Tunas Pratama develops and constructs telecommunication towers for the wireless communications industry.
IBST IJ	Inti Bangun Sejahtera is an independent tower company. The company engages in leasing space and other broadcast equipment for wireless signal transmission at tower sites under long-term lease agreement with mobile operators and wireless cable television providers.
CENT IJ	Centratama Telekomunikasi Indonesia operates as a telecommunication infrastructure company. The Company leases and manages telecommunication towers and in-building DAS (distributed antenna system) sites, as well as provides triple-play fiber-optic broadband services such as internet, telephony, and cable TV. Centratama Telekomunikasi Indonesia serves clients in Indonesia. American Tower Corporation is a real estate investment trust that owns, operates, and develops wireless communications and
AMT US	broadcast towers in the United States. The company leases antennae sites on multi-tenant towers for a diverse range of wireless communications industries, including personal communications services, paging, and cellular.
CCI US	Crown Castle International Corp. operates as a real estate investment trust. The company owns, operates, and leases towers and other infrastructure for wireless communications. Crown Castle manages and offers wireless communication coverage and infrastructure sites in the United States and Australia.
SBAC US	SBA Communications Corporation owns and operates wireless communications infrastructure in the United States. The company offers site leasing and development, construction, and consulting services. SBA Communications leases antenna space on its multi-tenant towers to a variety of wireless service providers under long-term lease contracts.

Source: Bloomberg, RHB

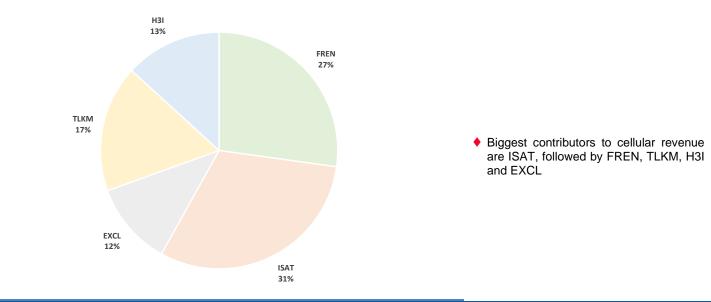


Good and bad of tenant consolidations

The recent ISAT and Hutchison 3 Indonesia (H3I) merger, as well as plans concerning the XL Axiata (EXCL IJ, BUY, TP: IDR3,400) and Smartfren Telecom (FREN IJ, NR) deal, have sparked conflicting arguments about the tower sector's industry outlook. The main goal of a merger or consolidation is to increase efficiencies for operators, which would mainly come from reductions in network equipment costs and leases. On the surface, this means lower growth potential, as the number of tenants declines. However, the silver lining is that merged operators will ask for tower relocations for existing overlapping contracts to other existing sites owned by the tower firms. Most importantly, these contracts will have to be renewed for another 10 years.

Taking an example from the ISAT and H3I merger. BALI is likely to benefit from the merger, as 44% of its total revenue generated came from both operators. ISAT and H3I have tower lease agreements for network equipment in the 2x47.5Mhz and 2x25Mhz bandwidth spectrums. Any relocation of overlapped towers will require additional rental rates, as merged operators would want to rent larger tower space for equipment able to broadcast in the 2x72.5Mhz spectrum bandwidth with a renewed 10-year lease agreement.

Figure 22: BALI's cellular revenue stream from operators as of 9M21



Source: Company data, RHB

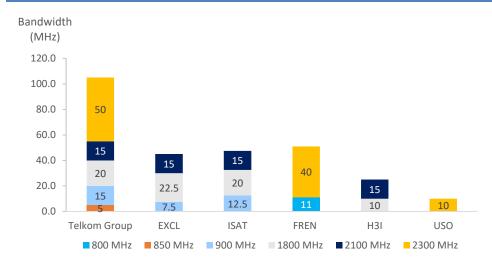


Figure 23: Telco operators spectrum

- TLKM group has the largest spectrum allocation, compared to all other operators despite the merger of ISAT and H3I
- BALI is likely to benefit from the merger of ISAT and H3I, as the new entity will require larger tower space for equipment

Source: Various sources, RHB

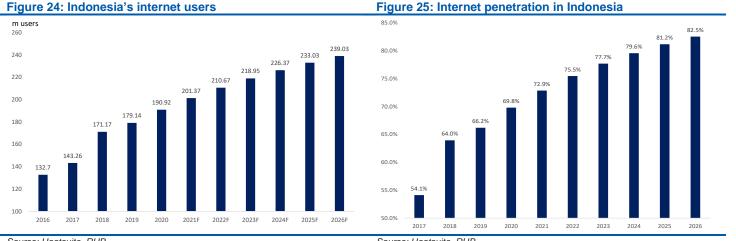


Internet industry in Indonesia

Despite being an archipelago nation with a population of 275m, Indonesia's fixed broadband (FBB) penetration is only at 12-14%. As such, we believe that data internet access through cellular services still dominates the industry – at least, it is expected to be so for the next three years. Although 57% of the population lives in urban areas, IndiHome, the country's dominant FBB operator, started to record slowing subs growth in recent quarters. Better high-speed 4G coverage and its users will continue to support data traffic growth ahead.

In addition, the 5G rollout, which provides low latency and high capacity, can offer subs much faster internet access – this should translate to higher data traffic, in our view. Consequently, we believe this will continue to lead to increased tower densification – not only in rural areas to improve coverage but also in urban centres, as congested data traffic issues can be better addressed with more towers.

As of January, there are 202.6m internet users in Indonesia – a 27m YoY growth – primarily due to the COVID-19 pandemic, which required people to engage in virtual or remote activities. In terms of mobile connection in Indonesia, there were 345.3m smartphones being used in Jan 2021 – an increase of 4m between Jan 2020 and Jan 2021. The number of mobile connections in Indonesia in Jan 2021 was equivalent to 125.6% of the total population. This implies that each person has one or more smartphones connected to the internet, and subscribes to a mobile data package. However, social media users in Indonesia reached 170m users as of Jan 2021 – indicating that 61.8% of the total population has a social media presence.



Source: Hootsuite, RHB

Throughout 2020, the pandemic raised the average number of hours spent online in Indonesia, from 3.6 hours to 4.7 hours. Post the lockdowns, the number stayed at 4.3 hours, which is still 20% higher than pre-pandemic levels. Online media, which consists of advertising, gaming, video on demand, and music on demand, has seen an increase in the number of users, as well with the average percentage for Indonesia, by c.45% in subscriptions for video on demand and 40% for subscriptions for music on demand. So far, over half of the users (ie six out of 10) intend to continue their video and music subscriptions indefinitely. Having said that, users have also indicated that there is a likelihood of unsubscribing once the trial period ends.

In Indonesia, the interest in video streaming is among the highest among ASEAN countries, as seen from searches for video subscription services by country, whereby Indonesia ranks third – 11x higher than its 2016 searches. The highest searches were from Thailand, at 18x higher than its 2016 level, followed by Vietnam (12x higher).



Source: Hootsuite, RHB

Financial Outlook

18% 2021-2024F CAGR topline growth is supported by:

- i. 10% 2021-2024F CAGR in government revenue, six institutions for FTTx broadband leases in Jakarta;
- ii. 32% 2021-2024F CAGR in FTTx subs;
- iii. 16% 2021-2024F CAGR in tower tenants with network densification.

Driven by government-related revenue growth

We estimate a 10% CAGR revenue growth in 2021-2024F, contributed mainly from the Jakarta regional government. Similar to corporate clients, BALI targets six government offices to subscribe to the Bali FTTx broadband service for IDR387m per month on average in 2022. We also conservatively estimate that there will be no additional offices that subscribe to BALI's offerings from 2023 onwards.

It is worth noting that the company recently secured this project and this segment will be a new revenue stream for BALI. As a part of the Jakarta Smart City project, the local government is providing free wireless internet services in public areas and the city's slums to provide the low-income demographic with free access to the Internet. BALI is the internet provider for the JakWifi project, which generates IDR5.9bn in monthly revenue. CCTVs that are donated by BALI to the Jakarta local administration also require bandwidth chargeable to the latter, at IDR2.9bn per month.

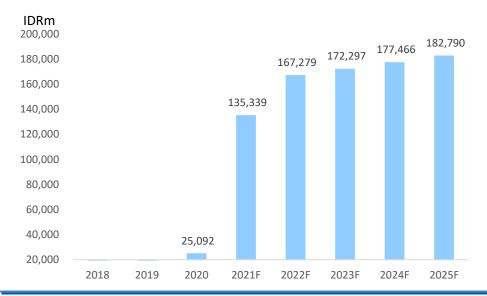
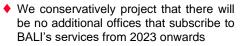


Figure 26: Government revenue projection



Source: Company data

FTTx subs drivers

We estimate BALI's revenue CAGR for 2021-2024F at 37% for retail FTTx, one of the company's long-term growth drivers. This is based on a subs addition of 30,000 in 2022 and 18,000 from 2023 onwards.

BALI currently has 198,000 homepasses, of which 24% are active subs. Given that the company initially provides backbone network leases for telecommunication towers – which already require the highest broadband service level quality – a high quality of service is being offered for corporate and retail FTTx clients. We believe this factor will enable it to attract new customers successfully.

Low FBB penetration in Indonesia – estimated to be only 10-12% of total households – also provides a structural long-term growth driver. In addition, our ground checks suggest BALI provides a 13-42% discount in terms of the internet packages to legacy broadband providers – eg IndiHome or First Media – with some free cable TV programmes to acquire new customers.



Small Cap Asean Research

Communications | Telecommunications Infrastructure

25 October 2021

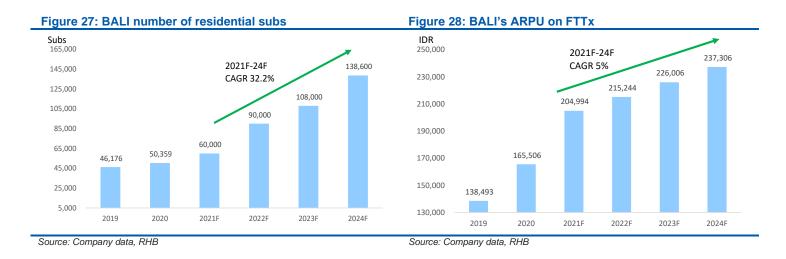
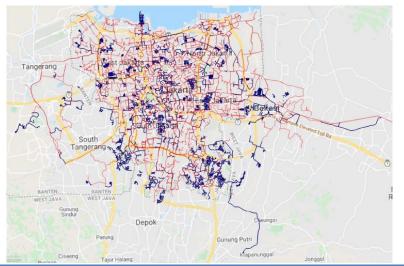


Figure 29: FTTx coverage in Jakarta



- The company currently covers 180,000 homepasses in Jakarta with the number of subs at 45,000
- Penetration rate in Jakarta is still at 20%

Source: Company data

Figure 30: FTTx coverage in Bali



It currently covers 18,000 homepasses in Bali, with the number of subs at 3,500

 BALI's penetration rate in Bali area is still at 19%

Source: Company data

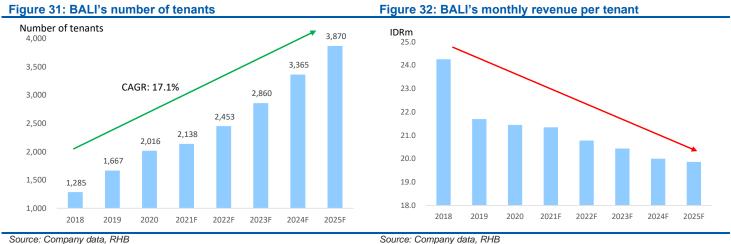


Tower tenant drivers

We estimate a cellular revenue growth CAGR of 14% in 2021-2024F, driven by exponential growth in data traffic - which requires operators to lease higher bandwidth for the backbone network - and 15% increases in tenants.

Note that BALI has one of the lowest tenancy ratios, due to the company's different expansion strategy vis-à-vis other tower providers. While most large tower firms have builtto-suit business strategies, BALI has opted to roll out fibre optic networks with tower sites in urban areas that are densely populated, without having standby tenants. The company also collaborates with local governments, allowing it to benefit from low-cost site rentals.

While other tower providers are still worrying about much-lower tower lease renewals impacting their revenue growth ahead, BALI has 60% and 40% contributions for tower and network leases to total revenue. Lower tower lease renewals can easily be offset by higher network lease expenses, in our view.



Source: Company data, RHB





When compared with its peers, BALI has the highest revenue per tenant - this is because all its tenants are required to sign up for bundled network rental leases

Source: Company data, RHB

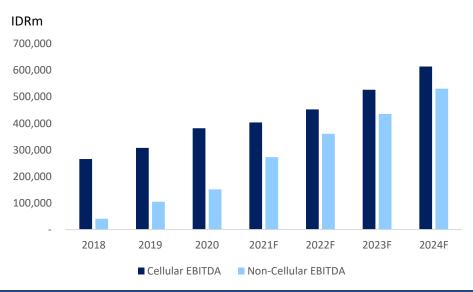


Healthy EBITDA growth

With all the key drivers that BALI will have, we believe the company's EBITDA for 2021-2024F should be at 19%, as most of its costs are fixed. It also has more revenue streams from government project. As of 9M21, the company has booked IDR494bn or 73% from our estimates as all the Government revenue stream will be booked in 2H21.

We expect its EBITDA margin to expand to 70.6% (2ppts YoY) this year due to the additional revenue streams.

Figure 34: BALI's EBITDA trend



The EBITDA growth will be primarily drove by its non-cellular segment due to the JakWifi project and more revenue streams from the Government

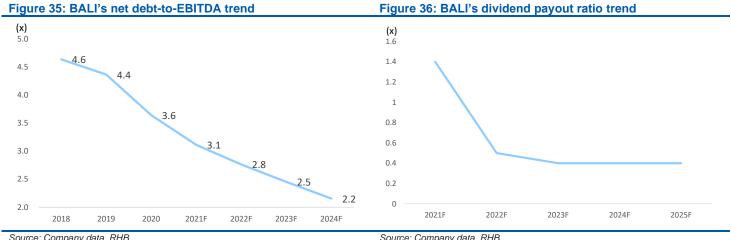
Source: Company data, RHB

Strong balance sheet

After the government project that BALI had secured last year, we believe its gearing position will improve. Even though it only won the public sector project last year, the company's net debt to EBITDA was at 3.4x as of 9M21 - slightly above TOWR's 3.1x but well below TBIG's 5.2x. We are projecting for BALI to reduce its debt position going forward, as we believe the company will generate more revenue streams from the Government from this year onwards.

On dividends, the company has started to pay dividends in 2021, and we expect this to continue, to chart a yield of almost c.4% pa. We believe that this was due to it increasing cash flow due to government projects, which would also free up more cash to pay dividends.

Hence, we estimate BALI's dividend payout ratio at around 40% pa. Note that it has been paying dividends since 2014.



Source: Company data, RHB



Company Background

Bali Towerindo Sentra was established on 6 Jul 2006, and was initially engaged in telecommunication towers infrastructure. It is a leading service provider in Bali and a pioneer in tower facilities equipment, with transmission facilities integrated with high-speed fibre/wireless optic. Note that, BALI has the largest presence in Bali vs other tower companies, as it is the only played with a license to operate in the Badung and Tabanan regencies.

All telco operators in Indonesia that are expanding their presence in the island of Bali will be its tenant, as the Tabanan and Badung regencies are the second and third most crowded areas in Bali island. Unlike other tower companies, BALI always coupled its tower offerings with network (fibre optic-bandwidth). It is worth noting that BALI is the pioneer of the offerings, which also implies that it is the biggest revenue-per-tower earner in the sector. With the 60/40 contributions of tower and network offerings, we believe that it has limited downside risks to the lower tower lease renewal rate.

As of 1H21, the company has 562 tenants in Bali island and 1,473 tenants in the ex-Bali island areas. However, with smaller number of tenants in Bali, the company had managed to book toplines similar to that of its peers – because the margin in Bali was much higher compared to non-Bali island areas, due to its exclusive position in the former. In terms of revenue, BALI booked IDR113m/tenant in Bali island vs IDR49m/tenant in non-Bali island areas. Despite having the lowest number of tenants compared to other tower companies, its recurring revenue should be secured, as the remaining tenant lease is at a 7-year average, with 40% of it is for 5-8 years and 39% for >8 years. Moreover, its land lease contract mostly at 10-years (85% of contracts). Revenue from its cellular businesses should be stable, underpinned by stable COGS ahead. Despite the trend of tower renewals, Management indicated that its strategy will be more skewed toward bundling, with increasing tenant capacity to maintain topline growth.

In 2010, the company won a fixed network license and started bundling it with its cellular business. BALI is the only company that bundle its tower rental with backbone, which makes it the highest revenue generator-per-tenant vs peers in Indonesia. With the fixed network license, it then expanded its business to FTTx (Internet and pay-TV services) under the BaliFiber brand. The company strategy was to expand market coverage and the quality of coverage, in a dense area in Indonesia such as DKI Jakarta, Bekasi, Tangerang, Depok, Karawang, Surabaya and Bali. When COVID-19 infections broke out in Indonesia, the sector was strongly buoyed by Indonesians becoming more dependent on fibre networks. We believe this will be the next growth driver for BALI, as its network penetration in Jakarta is only at 22% (vs 19% in Bali). Moreover, the company also just secured a government project to help revamp Jakarta into a smart city and expanding the JakWifi project across Jakarta.

Figure 37: BALI's milestones

riguic	righte or. DAEL'S milestones			
Year	Milestone			
2006	Established as a telecommunications tower company.			
2007	Obtained a license to build telecommunication towers in Badung Regency for 20 years.			
2008	Obtained a license to build telecommunication towers in Tabanan Regency for 20 years.			
2009	Started to expand to other regions in Bali			
2010	Received a fixed closed network license and started moving on the transmission network.			
2012	Operated 119 towers.			
2013	Obtained a license to be an internet service provider. It also went public this year.			
2014	Officially listed its shares on the Indonesia Stock Exchange on 13 Mar 2014.			
2015	Started expanding outside Bali Province, by building and operating a MCP, which was installed in DKI Jakarta Province and other major cities in Java.			
2016	Expanded its business activities in building GPON FTTH infrastructure and increasing the development and operation of MCPs in Java and Bali.			
2017	Obtained a license to operate internet protocol television (IPTV) services.			
2018	The brand BaliFiber was introduced to the non-cellular market ie corporate and residential. It also entered the data centre business to complement services to corporate and enterprise customers.			
Source: Company data, RHB				

See important disclosures at the end of this report



Small Cap Asean Research

Communications | Telecommunications Infrastructure

25 October 2021

Figure 38: BALI's Board of Commissioners

Name	Position	Description
Anni Suwardi		
		Anni Suwardi, 45, is an Indonesian. She graduated with a Bachelor's degree in Accounting from Tarumanegara University in 1995
	Commissioner	She has served as Commissioner since May 2018. In accordance with the resolution of BALI's AGM on 18 May 2018, she was appointed as Commissioner for the period 2018-2022.

Erry Firmansyah, SE



Source: Company data, RHB

Independent Commissioner

Erry Firmansyah, 61, is an Indonesian. He earned a Bachelor's degree in Accounting from the University of Indonesia in 1981.

He has served as Independent Commissioner of the company since Sep 2013. At the 16 Jun 2017 AGM, he was reappointed as Independent Commissioner for the period of 2017-022.





Small Cap

Asean Research

Communications | Telecommunications Infrastructure

Name	Position	Description
Jap Owen Ronadhi	President Director	Jap Owen Ronadhi has served as President Director of BALI since 2007. In accordance with the resolution of the 16 Jun 2017 AGM, he was reappointed as President Director for 2017-2022.
Lily Hidayat		
	Vice President Director	Lily Hidayat has served as Deputy President Director since May 2018. In accordance with 18 May 2018 AGM resolutions, she was appointed as Deputy President Director for 2018-2022.
Robby Hermanto	Director	Robby Hermanto served as President Director of the company in 2006, and as Director since 2007. In accordance with the resolution of the AGM on 16 Jun 2017, he was reappointed as Director for 2017-2022.
Tjhang Teddy Gunawan		
	Unaffiliated Director	Tjhang Teddy Gunaman has served as Unaffiliated Director of the company based on the resolution of its EGM on 30 Sep 2013. At BALI's 16 Jun 2017 AGM, he was appointed as Unaffiliated Director for the period 2017-2022
ource: Company data, RHB		



Recommendation Chart

25 October 2021



Source: RHB, Bloomberg



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

Investment Research Disclaimers

RHB has issued this report for information purposes only. This report is intended for circulation amongst RHB and its affiliates' clients generally or such persons as may be deemed eligible by RHB to receive this report and does not have regard to the specific investment objectives, financial situation and the particular needs of any specific person who may receive this report. This report is not intended, and should not under any circumstances be construed as, an offer or a solicitation of an offer to buy or sell the securities referred to herein or any related financial instruments.

This report may further consist of, whether in whole or in part, summaries, research, compilations, extracts or analysis that has been prepared by RHB's strategic, joint venture and/or business partners. No representation or warranty (express or implied) is given as to the accuracy or completeness of such information and accordingly investors should make their own informed decisions before relying on the same.

This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to the applicable laws or regulations. By accepting this report, the recipient hereof (i) represents and warrants that it is lawfully able to receive this document under the laws and regulations of the jurisdiction in which it is located or other applicable laws and (ii) acknowledges and agrees to be bound by the limitations contained herein. Any failure to comply with these limitations may constitute a violation of applicable laws.

All the information contained herein is based upon publicly available information and has been obtained from sources that RHB believes to be reliable and correct at the time of issue of this report. However, such sources have not been independently verified by RHB and/or its affiliates and this report does not purport to contain all information that a prospective investor may require. The opinions expressed herein are RHB's present opinions only and are subject to change without prior notice. RHB is not under any obligation to update or keep current the information and opinions expressed herein or to provide the recipient with access to any additional information. Consequently, RHB does not guarantee, represent or warrant, expressly or impliedly, as to the adequacy, accuracy, reliability, fairness or completeness of the information and opinion contained in this report. Neither RHB (including its officers, directors, associates, connected parties, and/or employees) nor does any of its agents accept any liability for any direct, indirect or consequential losses, loss of profits and/or damages that may arise from the use or reliance of this research report and/or further communications given in relation to this report. Any such responsibility or liability is hereby expressly disclaimed.

Whilst every effort is made to ensure that statement of facts made in this report are accurate, all estimates, projections, forecasts, expressions of opinion and other subjective judgments contained in this report are based on assumptions considered to be reasonable and must not be construed as a representation that the matters referred to therein will occur. Different assumptions by RHB or any other source may yield substantially different results and recommendations contained on one type of research product may differ from recommendations contained in other types of research. The performance of currencies may affect the value of, or income from, the securities or any other financial instruments referenced in this report. Holders of depositary receipts backed by the securities discussed in this report assume currency risk. Past performance is not a guide to future performance. Income from investments may fluctuate. The price or value of the investments to which this report relates, either directly or indirectly, may fall or rise against the interest of investors.

This report may contain comments, estimates, projections, forecasts and expressions of opinion relating to macroeconomic research published by RHB economists of which should not be considered as investment ratings/advice and/or a recommendation by such economists on any securities discussed in this report.

This report does not purport to be comprehensive or to contain all the information that a prospective investor may need in order to make an investment decision. The recipient of this report is making its own independent assessment and decisions regarding any securities or financial instruments referenced herein. Any investment discussed or recommended in this report may be unsuitable for an investor depending on the investor's specific investment objectives and financial position. The material in this report is general information intended for recipients who understand the risks of investing in financial instruments. This report does not take into account whether an investment or course of action and any associated risks are suitable for the recipient. Any recommendations contained in this report must therefore not be relied upon as investment advice based on the recipient's personal circumstances. Investors should make their own independent evaluation of the information contained herein, consider their own investment objective, financial situation and particular needs and seek their own financial in any securities or the investing in any securities or the investment strategies discussed or recommended in this report.

This report may contain forward-looking statements which are often but not always identified by the use of words such as "believe", "estimate", "intend" and "expect" and statements that an event or result "may", "will" or "might" occur or be achieved and other similar expressions. Such forward-looking statements are based on assumptions made and information currently available to RHB and are subject to known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievement to be materially different from any future results, performance or achievement, expressed or implied by such forward-looking statements. Caution should be taken with respect to such statements and recipients of this report should not place undue reliance on any such forward-looking statements, whether as a result of new information, future events or circumstances after the date of this publication or to reflect the occurrence of unanticipated events.

The use of any website to access this report electronically is done at the recipient's own risk, and it is the recipient's sole responsibility to take precautions to ensure that it is free from viruses or other items of a destructive nature. This report may also provide the addresses of, or contain hyperlinks to, websites. RHB takes no responsibility for the content contained therein. Such addresses or hyperlinks (including addresses or hyperlinks to RHB own website material) are provided solely for the recipient's convenience. The information and the content of the linked site do not in any way form part of this report. Accessing such website or following such link through the report or RHB website shall be at the recipient's own risk.

This report may contain information obtained from third parties. Third party content providers do not guarantee the accuracy, completeness, timeliness or availability of any information and are not responsible for any errors or omissions (negligent or otherwise), regardless of the cause, or for the results obtained from the use of such content. Third party content providers give no express or implied warranties, including, but not limited to, any warranties of merchantability or fitness for a particular purpose or use. Third party content providers shall not be liable for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees, or losses (including lost income or profits and opportunity costs) in connection with any use of their content.

The research analysts responsible for the production of this report hereby certifies that the views expressed herein accurately and exclusively reflect his or her personal views and opinions about any and all of the issuers or securities analysed in this report and were prepared independently and autonomously. The research analysts that authored this report are precluded by RHB in all circumstances from trading in the securities or other financial instruments referenced in the report, or from having an interest in the company(ies) that they cover.

The contents of this report is strictly confidential and may not be copied, reproduced, published, distributed, transmitted or passed, in whole or in part, to any other person without the prior express written consent of RHB and/or its affiliates. This report has been delivered to RHB and its affiliates' clients for information purposes only and upon the express understanding that such parties will use it only for the purposes set forth above. By electing to view or accepting a copy of this report, the recipients have agreed that they will not print, copy, videotape, record, hyperlink, download, or otherwise attempt to reproduce or re-transmit (in any form including hard copy or electronic distribution format) the contents of this report. RHB and/or its affiliates accepts no liability whatsoever for the actions of third parties in this respect.

The contents of this report are subject to copyright. Please refer to Restrictions on Distribution below for information regarding the distributors of this report. Recipients must not reproduce or disseminate any content or findings of this report without the express permission of RHB and the distributors.

The securities mentioned in this publication may not be eligible for sale in some states or countries or certain categories of investors. The recipient of this report should have regard to the laws of the recipient's place of domicile when contemplating transactions in the securities or other financial instruments referred to herein. The securities discussed in this report may not have been registered in such jurisdiction. Without prejudice to the foregoing, the recipient is to note that additional disclaimers, warnings or qualifications may apply based on geographical location of the person or entity receiving this report.

The term "RHB" shall denote, where appropriate, the relevant entity distributing or disseminating the report in the particular jurisdiction referenced below, or, in every other case, RHB Investment Bank Berhad and its affiliates, subsidiaries and related companies.

RESTRICTIONS ON DISTRIBUTION

Malaysia

This report is issued and distributed in Malaysia by RHB Investment Bank Berhad ("RHBIB"). The views and opinions in this report are our own as of the date hereof and is subject to change. If the Financial Services and Markets Act of the United Kingdom or the rules of the Financial Conduct Authority apply to a recipient, our obligations owed to such recipient therein are unaffected. RHBIB has no obligation to update its opinion or the information in this report.

Thailand

This report is issued and distributed in the Kingdom of Thailand by RHB Securities (Thailand) PCL, a licensed securities company that is authorised by the Ministry of Finance, regulated by the Securities and Exchange Commission of Thailand and is a



member of the Stock Exchange of Thailand. The Thai Institute of Directors Association has disclosed the Corporate Governance Report of Thai Listed Companies made pursuant to the policy of the Securities and Exchange Commission of Thailand. RHB Securities (Thailand) PCL does not endorse, confirm nor certify the result of the Corporate Governance Report of Thai Listed Companies.

This report is issued and distributed in Indonesia by PT RHB Sekuritas Indonesia. This research does not constitute an offering document and it should not be construed as an offer of securities in Indonesia. Any securities offered or sold, directly or indirectly, in Indonesia or to any Indonesian citizen or corporation (wherever located) or to any Indonesian resident in a manner which constitutes a public offering under Indonesian laws and regulations must comply with the prevailing Indonesian laws and regulations.

Singapore

This report is issued and distributed in Singapore by RHB Bank Berhad (through its Singapore branch) which is an exempt capital markets services entity and an exempt financial adviser regulated by the Monetary Authority of Singapore. RHB Bank Berhad (through its Singapore branch) may distribute reports produced by its respective foreign entities, affiliates or other foreign research houses pursuant to an arrangement under Regulation 32C of the Financial Advisers Regulations. Where the report is distributed in Singapore to a person who is not an Accredited Investor, Expert Investor or an Institutional Investor, RHB Bank Berhad (through its Singapore branch) accepts legal responsibility for the contents of the report to such persons only to the extent required by law. Singapore recipients should contact RHB Bank Berhad (through its Singapore branch) in respect of any matter arising from or in connection with the report.

United States

This report was prepared by RHB is meant for distribution solely and directly to "major" U.S. institutional investors as defined under, and pursuant to, the requirements of Rule 15a-6 under the U.S. Securities and Exchange Act of 1934, as amended (the "Exchange Act") via a registered U.S. broker-dealer as appointed by RHB from time to time. Accordingly, any access to this report via Bursa Marketplace or any other Electronic Services Provider is not intended for any party other than "major" US institutional investors (via a registered U.S broker-dealer), nor shall be deemed as solicitation by RHB in any manner. RHB is not registered as a broker-dealer in the United States and currently has not appointed a U.S. broker-dealer. Additionally, RHB does not offer brokerage services to U.S. persons. Any order for the purchase or sale of all securities discussed herein must be placed with and through a registered U.S. broker-dealer as appointed by RHB from time to time as required by the Exchange Act Rule 15a-6. For avoidance of doubt, RHB reiterates that it has not appointed any U.S. broker-dealer during the issuance of this report. This report is confidential and not intended for distribution to, or use by, persons other than the recipient and its employees, agents and advisors, as applicable. Additionally, where research is distributed via Electronic Service Provider, the analysts whose names appear in this report are not registered or qualified as research analysts in the United States and are not associated persons of any registered U.S. broker-dealer as appointed by RHB from time to time and therefore may not be subject to any applicable restrictions under Financial Industry Regulatory Authority ("FINRA") rules on communications with a subject company, public appearances and personal trading. Investing in any non-U.S. securities or related financial instruments discussed in this research report may present certain risks. The securities of non-U.S. issuers may not be registered with, or be subject to the regulations of, the U.S. Securities and Exchange Commission. Information on non-U.S. securities or related financial instruments may be limited. Foreign companies may not be subject to audit and reporting standards and regulatory requirements comparable to those in the United States. The financial instruments discussed in this report may not be suitable for all investors. Transactions in foreign markets may be subject to regulations that differ from or offer less protection than those in the United States.

DISCLOSURE OF CONFLICTS OF INTEREST

RHB Investment Bank Berhad, its subsidiaries (including its regional offices) and associated companies, ("RHBIB Group") form a diversified financial group, undertaking various investment banking activities which include, amongst others, underwriting, securities trading, market making and corporate finance advisory.

As a result of the same, in the ordinary course of its business, any member of the RHBIB Group, may, from time to time, have business relationships with, hold any positions in the securities and/or capital market products (including but not limited to shares, warrants, and/or derivatives), trade or otherwise effect transactions for its own account or the account of its customers or perform and/or solicit investment, advisory or other services from any of the subject company(ies) covered in this research report.

While the RHBIB Group will ensure that there are sufficient information barriers and internal controls in place where necessary, to prevent/manage any conflicts of interest to ensure the independence of this report, investors should also be aware that such conflict of interest may exist in view of the investment banking activities undertaken by the RHBIB Group as mentioned above and should exercise their own judgement before making any investment decisions.

In Singapore, investment research activities are conducted under RHB Bank Berhad (through its Singapore branch), and the disclaimers above similarly apply.

Malavsia

Save as disclosed in the following link RHB Research conflict disclosures - Oct 2021 and to the best of our knowledge, RHBIB hereby declares that:

- RHBIB does not have a financial interest in the securities or other capital market products of the subject company(ies) covered in this report.
- 2 RHBIB is not a market maker in the securities or capital market products of the subject company(ies) covered in this report.
- З. None of RHBIB's staff or associated person serve as a director or board member* of the subject company(ies) covered in this report
- *For the avoidance of doubt, the confirmation is only limited to the staff of research department
- RHBIB did not receive compensation for investment banking or corporate finance 4. services from the subject company in the past 12 months.
- RHBIB did not receive compensation or benefit (including gift and special cost arrangement e.g. company/issuer-sponsored and paid trip) in relation to the 5. production of this report.

Thailand

Save as disclosed in the following link RHB Research conflict disclosures - Oct 2021 and to the best of our knowledge, RHB Securities (Thailand) PCL hereby declares that: 1. RHB Securities (Thailand) PCL does not have a financial interest in the securities

- or other capital market products of the subject company(ies) covered in this report. RHB Securities (Thailand) PCL is not a market maker in the securities or capital
- 2
- market products of the subject company(ies) covered in this report. None of RHB Securities (Thailand) PCL's staff or associated person serve as a director or board member* of the subject company(ies) covered in this report 3.
- 1. *For the avoidance of doubt, the confirmation is only limited to the staff of research department
- RHB Securities (Thailand) PCL did not receive compensation for investment 4. banking or corporate finance services from the subject company in the past 12 months.
- RHB Securities (Thailand) PCL did not receive compensation or benefit (including 5. gift and special cost arrangement e.g. company/issuer-sponsored and paid trip) in relation to the production of this report.

Indonesia

Save as disclosed in the following link <u>RHB Research conflict disclosures – Oct 2021</u> and to the best of our knowledge, PT RHB Sekuritas Indonesia hereby declares that: 1. PT RHB Sekuritas Indonesia and its investment analysts, does not have any

- interest in the securities of the subject company(ies) covered in this report. For the avoidance of doubt, interest in securities include the following:
 - Holding directly or indirectly, individually or jointly own/hold securities or a) entitled for dividends, interest or proceeds from the sale or exercise of the
 - subject company's securities covered in this report*; Being bound by an agreement to purchase securities or has the right to b) transfer the securities or has the right to pre subscribe the securities*
 - Being bound or required to buy the remaining securities that are not c) subscribed/placed out pursuant to an Initial Public Offering*.
- d) Managing or jointly with other parties managing such parties as referred to in (a), (b) or (c) above.
- PT RHB Sekuritas Indonesia is not a market maker in the securities or capital 2. market products of the subject company(ies) covered in this report. None of PT RHB Sekuritas Indonesia's staff** or associated person serve as a
- 3 director or board member* of the subject company(ies) covered in this report.
- 4. PT RHB Sekuritas Indonesia did not receive compensation for investment banking or corporate finance services from the subject company in the past 12 months.
- 5. PT RHB Sekuritas Indonesia** did not receive compensation or benefit (including gift and special cost arrangement e.g. company/issuer-sponsored and paid trip) in relation to the production of this report: Notes:

The overall disclosure is limited to information pertaining to PT RHB Sekuritas Indonesia only.

*The disclosure is limited to Research staff of PT RHB Sekuritas Indonesia only.

Singapore

Save as disclosed in the following link <u>RHB Research conflict disclosures – Oct 2021</u> and to the best of our knowledge, the Singapore Research department of RHB Bank Berhad (through its Singapore branch) hereby declares that:

- RHB Bank Berhad, its subsidiaries and/or associated companies do not make a 1. market in any issuer covered by the Singapore research analysts in this report.
- RHB Bank Berhad, its subsidiaries and/or its associated companies and its 2. analysts do not have a financial interest (including a shareholding of 1% or more) in the issuer covered by the Singapore research analysts in this report.
- 3. RHB Bank Berhad's Singapore research staff or connected persons do not serve on the board or trustee positions of the issuer covered by the Singapore research analysts in this report.
- RHB Bank Berhad, its subsidiaries and/or its associated companies do not have 4. and have not within the last 12 months had any corporate finance advisory relationship with the issuer covered by the Singapore research analysts in this report or any other relationship that may create a potential conflict of interest.
- 5. RHB Bank Berhad's Singapore research analysts, or person associated or connected to it do not have any interest in the acquisition or disposal of, the securities specified securities based derivatives contracts or units in a collective
- investment scheme covered by the Singapore research analysts in this report. RHB Bank Berhad's Singapore research analysts do not receive any compensation or benefit in connection with the production of this research report 6. or recommendation on the issuer covered by the Singapore research analysts.

Analyst Certification

The analyst(s) who prepared this report, and their associates hereby, certify that:



(1) they do not have any financial interest in the securities or other capital market products of the subject companies mentioned in this report, except for:

Analyst	Company
-	-

(2) no part of his or her compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this report.



KUALA LUMPUR

RHB Investment Bank Bhd Level 3A, Tower One, RHB Centre Jalan Tun Razak Kuala Lumpur 50400 Malaysia Tel : +603 9280 8888 Fax : +603 9200 2216

BANGKOK

RHB Securities (Thailand) PCL 10th Floor, Sathorn Square Office Tower 98, North Sathorn Road, Silom Bangrak, Bangkok 10500 Thailand

Tel: +66 2088 9999 Fax :+66 2088 9799

JAKARTA

PT RHB Sekuritas Indonesia Revenue Tower, 11th Floor, District 8 - SCBD JI. Jendral Sudirman Kav 52-53 Jakarta 12190 Indonesia Tel : +6221 509 39 888 Fax : +6221 509 39 777

SINGAPORE

RHB Bank Berhad (Singapore branch)

90 Cecil Street #04-00 RHB Bank Building Singapore 069531 Fax: +65 6509 0470