



#### Underweight (no change)

#### **Highlighted Companies**

#### **Jindal Steel and Power**

ADD, TP Rs476, Rs368 close

Debt reduction has been significantly positive for the company, which will help in the coming downcycle. We value JSPL on a sum-of-the-parts valuation to arrive at our TP of Rs476.

#### JSW Steel

REDUCE, TP Rs330, Rs657 close

JSW Steel's standalone EBITDA will fall to a long-term average of Rs7,000/t from Q4FY22F, in our view.

### Steel Authority of India

REDUCE, TP Rs60, Rs107 close

Despite having captive iron ore capacities, SAIL's operational cost/t is the highest among its peers. Its mining costs are rising, negating the advantages.

#### **Summary Valuation Metrics**

P/E (x)	Mar22-F	Mar23-F	Mar24-F
Jindal Steel and Power	30.29	28.93	
JSW Steel	16.92	48.99	58.31
Steel Authority of India	7.21	100.1	90.67
P/BV (x)	Mar22-F	Mar23-F	Mar24-F
Jindal Steel and Power	2.33	2.15	
JSW Steel	3.52	3.4	3.32
Steel Authority of India	0.89	0.89	0.88
Dividend Yield	Mar22-F	Mar23-F	Mar24-F
Jindal Steel and Power	0%	0%	
JSW Steel	0.99%	0.99%	0.99%
Steel Authority of India	0%	0%	0%

### **Steel**

### Plenty of downside left; maintain Reduce

- Over the last 19 years, Indian steel companies' market capitalization has been determined by only one factor - China steel prices, and everything else is noise.
- We believe US\$400/t coking coal price is transitory as driven by falling steel prices, coking coal price will also trend downwards to US\$300/t.
- Even after the current fall, stock valuations are still not realistic and there is more downside left. Retain Reduce rating on TATA STEEL, SAIL and JSW.

#### Chinese exports didn't fall and ROW production is up 17.3% YTD

The steel sector upswing was driven by supply chain shortage, as pointed out in our Apr 2021 report (Link here). During the Mar- Apr 2021 period, normal supply chain shortage was around 30mt. Please note that this did not account for the normal human tendency to hoard during uncertain times. Please note that against the expectation of zero exports from China, exports from China in fact were up ~56% YTD. At the same time, ROW production was up 17.3% as at end-Sep 2021. Back-of-the-envelope calculations indicate that, at the end of Oct 2021, the supply chain was overfed by 45mt in ROW (ex-China). Now, unless the Covid-19 pandemic doesn't overwhelm the western world, and stricter import norms are implemented (please note that import norms have not been relaxed yet) steel destocking will start, which will lead to a collapse in steel prices. We expect European steel prices to fall to US\$700-750/t in coming weeks.

#### Deleveraging didn't happen for most companies

Tata Steel's reported EBITDA in H1FY22 was Rs325bn, interest and tax outgo was Rs70bn, capex stood at Rs42bn and debt reduction was to the tune of Rs67bn. Hence, cash lost in working capital was Rs146bn.Going ahead as EBITDA falls, capex rises and more working capital is needed, debt reduction is unlikely. Similarly, for JSW Steel, even in an era of super-normal EBITDA, debt increased by ~Rs0.4bn as at 30 Sep 2021 vis-à-vis end-March 2021. As at end-Mar 2021, only SAIL and JSPL had done a commendable job of debt reduction. Having said this, SAIL's fortunes will turn 180° from Q3FY22F and as EBITDA declines, debt will start accumulating again. In essence, the lowest debt point of SAIL is behind us. A shining example of sustainable debt reduction was noticed only in case of Jindal Steel and Power Ltd (JSPL).

#### We are adjusting FY22F and FY23F earnings and introduce FY24F

We have adjusted FY22F projections as our call on steel price decline happened with a lag of six months. During this period, Tata Steel Ltd, SAIL and JSW Steel Ltd reported extraordinary earnings, but barring SAIL no other company went for deleveraging their balance sheet significantly. As pointed in our May 2021 report (<u>Link here</u>), the deleveraging potential of Tata Steel was always a mirage. We retain Reduce rating on JSW Steel, Tata Steel and SAIL. JSPL is the only stock with ADD rating in our steel coverage universe.



**Shaily RUPARELIA T** (91) 22 4161 1556

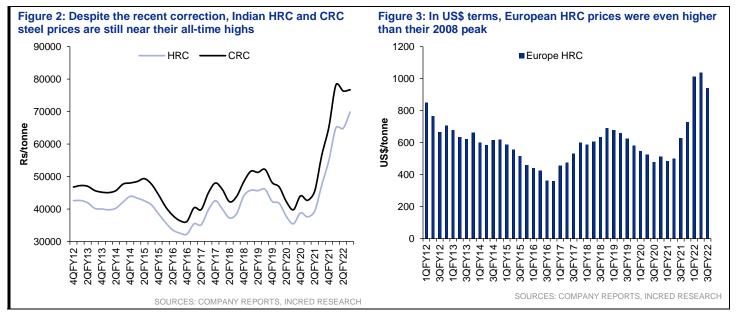
E shaily.ruparelia@incredcapital.com







#### **KEY CHARTS**











### Steel stock fall: Keep away from valuepicking

Most Indian steel stock prices have fallen by 15-17% from their peak and are underperforming the index since the past six months. The reader of this report knows better than the author that the fall cannot be linear and there will be a bounce-back. We don't know how and when there will be a bounce-back or is it even worthwhile to wait for the bounce-back. Our simple model based on China steel prices indicates a further downside.

### Steel and China go hand in hand

Steel has two inventory cycles: 1) a long-term inventory cycle which is based on demand and demand perception, or in other words it can be called the demand cycle, and 2) a seasonal inventory cycle or the Chinese New Year cycle. China never had a sustained bull run in steel post 2005, which has made global steel stocks highly volatile.

A long-term analysis of Chinese steel spreads indicates that with current coking coal prices at US\$380/t, a further downside in China domestic steel prices is likely >



As always, nothing in the real world falls in a linear pattern and so steel prices can bounce back before falling again.

## The last bull cycle in steel was between 2002-05, and during rest of the times there was volatility in supply chains ▶

The bull cycle in steel can be characterised by consistently rising steel spreads. That happened during the synchronous global commodity upturn. We haven't seen that since 2005. What we have witnessed is only inventory cycles - the classic destocking and restocking.

### Global (ex-China) production cut created ~30mt imbalance in CY20 ➤

Steel production in China increased by 69.5mt in CY20, but demand increased by 5% or about 45mt in CY20 (Source: World Steel Association). Global demand declined by 40mt from CY19 (Source: World Steel Association). Because of the steep production cut of 78mt in CY20, the global market had an overall shortage of 18m-20mt, in our view. We believe the decline in demand was not uniform but limited to the first-half of CY20, and demand was robust in the second-half.

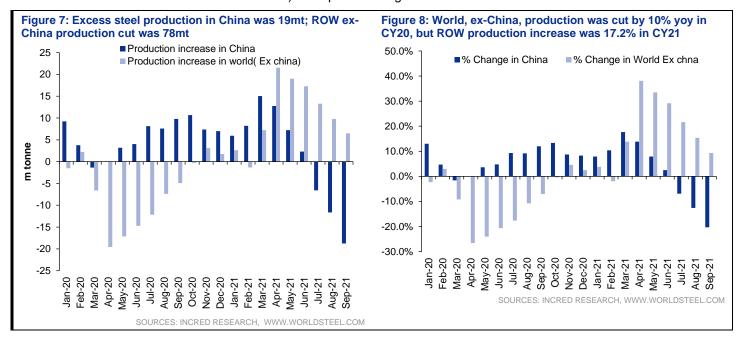




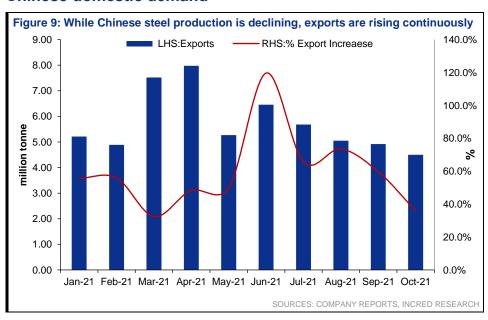
Therefore, we estimate supply chain shortages were at least to the tune of 30mt (on an annualised basis) in CY20.

## Global (ex-China) steel production cuts were steep in CY20 and rebound in production was equally large in CY21 ➤

After the COVID-19 outbreak, there were sharp production cuts across the world. Global production, ex-China, declined by 78mt in CY20 as compared to CY19, according to World Steel Association. In the current year, world (ex-China) steel production growth has been 17.2%



# Despite the recent production decline, Chinese steel exports are still showing no signs of a fall - a matter of concern for Chinese domestic demand >







### Did China's government expect the same? No, we don't believe so ➤

Just a few months ago, China government cancelled the export rebates which led to a small rally in global steel stocks. The inherent assumptions for the rally were: 1) China will become an isolated island from where steel won't be exported, and 2) in a bullish case, China can become a net importer as well. It was believed that the country was very much concerned about the environment. Neither of them has come true in the past five to six months.

## Steel is in oversupply now in global market as Chinese demand appears to be declining ➤

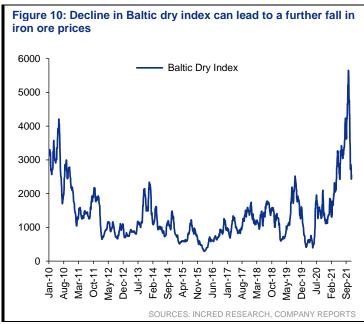
As indicated by our Mar 2021 report, there was a shortage of around 30mt in ROW (ex-China) supply chain. At the same time, ROW demand was supposed to increase in early double-digits. In the first nine months of the current year, ROW production increased by 95.90mt and demand (as per our estimate) would have increased by 60mt. In addition to 36mt excess production, Chinese net exports have been 40mt. So, in place of a 30mt deficit, we now have a 45mt surplus.

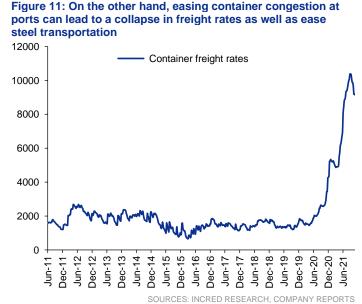
# Expect destocking to start by year-end and a rapid collapse of steel prices in western world as well ➤

The extra supply chain stocking (primarily because of the fear of unavailability during times of need because of supply uncertainty) gave a false hope of demand. Now, as steel prices are declining, traders will be better off dumping inventory before the prices collapse further. As the positive feedback loop takes up prices, similarly, a negative feedback loop leads to a downward spiral in prices. We have seen that happening in China and now it's the turn of western world

# To the chagrin of steel speculators, container shortage is easing and leading to a fall in container freight rates ➤

Easing of container logiam at ports will lead to a massive destocking in steel and so prepare for -2SD steel spreads.









### The world's biggest container operator, Maersk, is reporting a much improved scenario >

Figure 12: In Sep 2021, Maersk painted a relatively grim picture for container and equipment availability at ports

Area	20DRY	40DRY	40HDRY	45HC	40HCRF
China	insufficient	insufficient	insufficient	insufficient	insufficient
Japan / Australia	enough	enough	enough	NA	enough
Korea	insufficient	tight	insufficient	enough	enough
Vietnam	tight	insufficient	insufficient	insufficient	insufficient
Myanmar	enough	enough	enough	enough	enough
Cambodia	tight	tight	tight	tight	enough
Thailand	insufficient	tight	tight	enough	enough
Malaysia	enough	enough	enough	enough	enough
Singapore	enough	enough	enough	enough	enough
Indonesia	insufficient	insufficient	insufficient	insufficient	enough
Philippines	enough	enough	enough	enough	enough
New Zealand	enough	enough	tight	NA	tight

SOURCES: INCRED RESEARCH, MAERSK ASIA PACIFIC MARKET UPDATE (SEPTEMBER 2021) | MAERSK

Figure 13: However, the situation much improved in Oct 2021, as per Maersk Asia Pacific newsletter

Area	20DRY	40DRY	40HDRY	45HC	40HCRF
China	enough	tight	tight	insufficient	insufficient
Japan	enough	enough	enough	NA	enough
Korea	enough	enough	tight	enough	enough
Vietnam	enough	tight	tight	tight	tight
Myanmar	tight	enough	enough	enough	enough
Cambodia	enough	enough	enough	enough	enough
Thailand	insufficient	enough	insufficient	enough	enough
Malaysia	enough	enough	enough	enough	enough
Singapore	enough	enough	enough	enough	enough
Indonesia	insufficient	insufficient	insufficient	tight	enough
Philippines	enough	enough	enough	enough	enough
Australia	enough	enough	enough	NA	enough
New Zealand	enough	enough	enough	NA	tight

SOURCES: INCRED RESEARCH, MAERSK ASIA PACIFIC MARKET UPDATE (OCTOBER 2021) | MAERSK

# Indian as well as European steel prices are likely to witness ~15-20% downside from current levels

Indian and European steel prices are likely to witness around 15-20% downside from current levels. We are primarily talking about flat steel prices as long steel is anyway a miniscule part of overall sales of leading Indian steel companies.

# Indian flat steel prices have only one determining factor since the last decade or so − China steel prices ➤



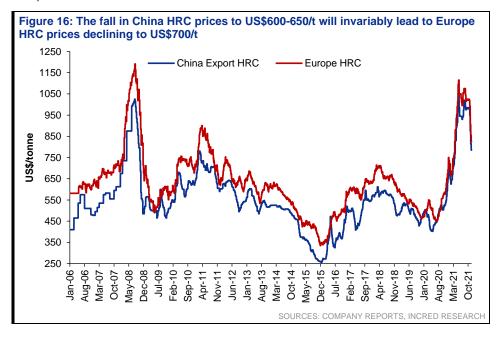
### We believe coking coal prices should stabilize around US\$300/t in the medium-term ➤

In our recent note, we have shown how lack of investment in coking coal assets is slowing down exports from Australia. (Please click here for the link of report). Nonetheless, the collapse in China steel prices will have an impact on coking coal prices as well and hence, we expect coking coal prices to fall to US\$300/t.





### China steel prices will drive down European steel prices to US\$700/t ➤



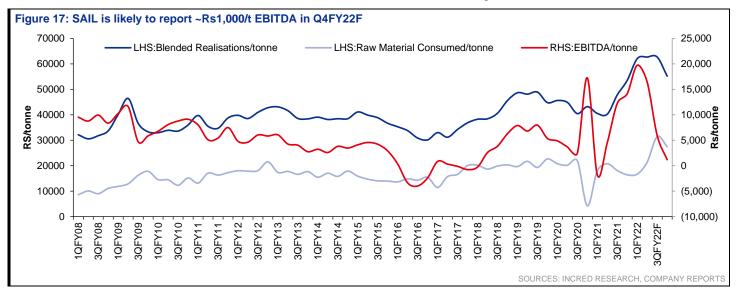
# Indian companies will report substantially lower EBITDA/t in Q3FY22F and Q4FY22F

All Indian companies will report substantially lower EBITDA/t in Q3FY22F and Q4FY22F. Steel Authority of India Ltd (SAIL) has done well on deleveraging, but other steel companies have performed very poorly on this front.

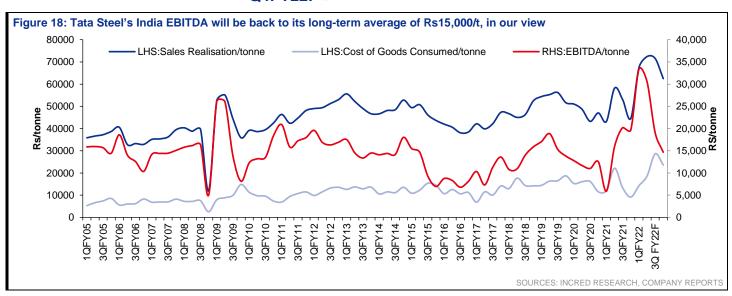




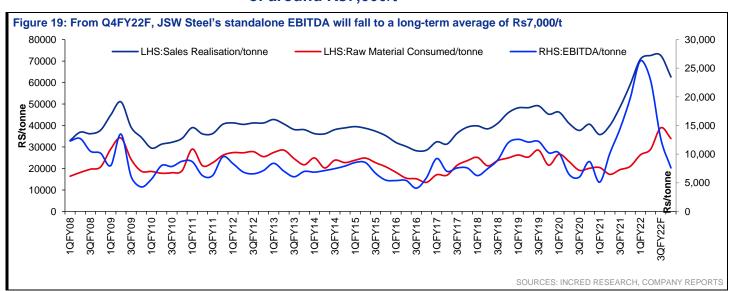
### SAIL's EBITDA can fall to nearly Rs1,000/t in Q4FY22F ➤



### Tata Steel's India EBITDA should be back to Rs15,000/t from Q4FY22F ➤



# JSW Steel should also trend down to its average EBITDA level of around Rs7,000/t ➤





# We adjust our FY22F earnings for steel companies to account for a super-normal H1FY22

We have adjusted our earnings for SAIL, Tata Steel Ltd, JSPL and JSW Steel Ltd for FY22F to adjust for a super-normal H1FY22. We maintain our FY23F earnings and introduce FY24F numbers.

## JSW Steel: We we reduce our FY23F numbers and introduce FY24F ➤

Figure 20: We reduce our FY23F estimates to account for higher costs									
	Old	Estimates		Nev	v Estimate	es	Cł	nange (%)	
Rs bn	FY22F	FY23F	FY24F	FY22F	FY23F	FY24F	FY22F	FY23F	FY24F
Consolidated									
Revenues	919	1,069	NA	1,246	1,195	1,280	35.6	11.8	NA
EBITDA	170	174	NA	260	167	161	53.3	(3.7)	NA
PAT	52	53	NA	117	39.8	33.4	124.7	(24.2)	NA
EPS (Rs/share)	21	22	NA	39	13	11	80.5	(38.8)	NA
Ì				5	SOURCES:	INCRED RE	SEARCH, (	COMPANY I	REPORTS

#### SAIL: We maintain our FY23F numbers and introduce FY24F >

	Old	Estimates		Ne	w Estimat	tes	Cha	nge (%)	
Rs m	FY22F	FY23F	FY24F	FY22F	FY23F	FY24F	FY22F	FY23F	FY24F
Revenues	6,84,228	7,28,406	NA	9,79,131	8,06,957	8,58,454	43.1	10.8	NA
EBITDA	73,410	77,764	NA	1,66,198	66,728	69,345	126.4	(14.2)	NA
PAT	195	1,478	NA	61,515	4,429.6	4,890.2	31,446.3	199.7	NA
EPS (Rs/share)	0.0	0.4	NA	14.9	1.1	1.2	31,446.3	199.7	NA





### BY THE NUMBERS (JSW Steel)

(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Net Revenues	733,260	782,370	1,246,213	1,195,045	1,280,488
Gross Profit	345,960	457,290	757,611	696,123	756,248
Operating EBITDA	118,730	185,390	260,025	167,176	160,619
Depreciation And Amortisation	(42,460)	(46,790)	(56,670)	(68,335)	(74,138)
Operating EBIT	76,270	138,600	203,355	98,841	86,481
Financial Income/(Expense)	(42,650)	(39,570)	(39,794)	(39,794)	(39,794)
Pretax Income/(Loss) from Assoc.	(900)	10	10	10	10
Non-Operating Income/(Expense)	5,460	5,920	13,442	5,597	7,709
Profit Before Tax (pre-EI)	38,180	104,960	177,013	64,654	54,407
Exceptional Items	(8,050)	(830)			
Pre-tax Profit	30,130	104,130	177,013	64,654	54,407
Taxation	9,060	(41,420)	(60,426)	(24,809)	(21,040)
Exceptional Income - post-tax					
Profit After Tax	39,190	62,710	116,587	39,845	33,366
Minority Interests	1,110	380	380	380	380
Preferred Dividends	279	279	279	279	279
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	40,579	63,369	117,246	40,504	34,025
Recurring Net Profit	48,629	63,869	117,246	40,504	34,025
Fully Diluted Recurring Net Profit	48,629	63,869	117,246	40,504	34,025

Cash Flow					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
EBITDA	118,730	185,390	260,025	167,176	160,619
Cash Flow from Invt. & Assoc.					
Change In Working Capital	16,390	12,640	5,723	(2,047)	(1,869)
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense	11,180	(9,840)	4,060	1,216	1,044
Other Operating Cashflow	32,340	56,450	53,235	45,390	47,503
Net Interest (Paid)/Received	(39,240)	(37,450)	(39,794)	(39,794)	(39,794)
Tax Paid	(11,550)	(19,300)	(60,426)	(24,809)	(21,040)
Cashflow From Operations	127,850	187,890	222,823	147,132	146,462
Capex	(127,670)	(92,070)	(85,720)	(81,500)	(81,500)
Disposals Of FAs/subsidiaries					
Acq. Of Subsidiaries/investments					
Other Investing Cashflow	(68,190)	10,880			
Cash Flow From Investing	(195,860)	(81,190)	(85,720)	(81,500)	(81,500)
Debt Raised/(repaid)	114,700	16,740			
Proceeds From Issue Of Shares	(5,660)	390			
Shares Repurchased					
Dividends Paid	(11,950)	(4,830)	(19,909)	(19,909)	(19,909)
Preferred Dividends					
Other Financing Cashflow	(45,200)	(43,400)	(39,794)	(39,794)	(39,794)
Cash Flow From Financing	51,890	(31,100)	(59,703)	(59,703)	(59,703)
Total Cash Generated	(16,120)	75,600	77,401	5,930	5,260
Free Cashflow To Equity	46,690	123,440	137,103	65,632	64,962
Free Cashflow To Firm	(28,770)	144,150	176,897	105,426	104,756



### BY THE NUMBERS...cont'd (JSW Steel)

Balance Sheet					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Cash And Equivalents	120,050	128,210	205,611	211,540	216,800
Total Debtors	45,050	44,860	62,541	63,618	66,262
Inventories	138,640	142,490	199,209	202,665	211,144
Total Other Current Assets	61,950	42,960	52,163	51,835	53,918
Total Current Assets	365,690	358,520	519,523	529,659	548,124
Fixed Assets	887,700	968,880	997,930	1,011,095	1,018,457
Total Investments	12,570	88,320	88,320	88,320	88,320
Intangible Assets	4,150	3,360	3,360	3,360	3,360
Total Other Non-Current Assets	48,090	64,090	71,928	71,510	71,721
Total Non-current Assets	952,510	1,124,650	1,161,537	1,174,285	1,181,859
Short-term Debt	83,250	19,990	19,990	19,990	19,990
Current Portion of Long-Term Debt					
Total Creditors	179,180	152,430	216,884	220,811	230,446
Other Current Liabilities	110,700	177,390	202,262	200,493	202,194
Total Current Liabilities	373,130	349,810	439,136	441,294	452,630
Total Long-term Debt	510,480	580,490	580,490	580,490	580,490
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	54,100	47,810	59,516	59,706	61,289
Total Non-current Liabilities	564,580	628,300	640,006	640,196	641,779
Total Provisions	20,250	43,610	44,181	45,170	45,222
Total Liabilities	957,960	1,021,720	1,123,323	1,126,660	1,139,631
Shareholders Equity	365,990	467,640	564,308	584,234	597,681
Minority Interests	(5,750)	(6,190)	(6,570)	(6,950)	(7,330)
Total Equity	360,240	461,450	557,738	577,284	590,351

Key Ratios					
	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Revenue Growth	(13.5%)	6.7%	59.3%	(4.1%)	7.1%
Operating EBITDA Growth	(37.4%)	56.1%	40.3%	(35.7%)	(3.9%)
Operating EBITDA Margin	16.2%	23.7%	20.9%	14.0%	12.5%
Net Cash Per Share (Rs)	(196.86)	(156.38)	(130.75)	(128.79)	(127.05)
BVPS (Rs)	152.10	154.85	186.86	193.45	197.91
Gross Interest Cover	1.79	3.50	5.11	2.48	2.17
Effective Tax Rate		39.8%	34.1%	38.4%	38.7%
Net Dividend Payout Ratio	40.4%	30.6%	16.7%	48.5%	57.7%
Accounts Receivables Days	29.03	20.97	15.73	19.27	18.51
Inventory Days	133.88	157.83	127.63	147.00	144.06
Accounts Payables Days	160.57	186.17	137.94	160.10	157.09
ROIC (%)	11.0%	8.9%	13.8%	6.2%	5.3%
ROCE (%)	8.3%	13.4%	17.8%	8.2%	7.1%
Return On Average Assets	8.3%	6.2%	9.0%	3.8%	3.4%





### BY THE NUMBERS (Steel Authority of India)

(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Net Revenues	602,492	691,100	979,131	806,957	858,454
Gross Profit	320,670	417,053	580,068	391,476	413,329
Operating EBITDA	42,625	127,281	166,198	66,728	69,345
Depreciation And Amortisation	(37,551)	(41,020)	(41,855)	(43,922)	(45,300)
Operating EBIT	5,075	86,261	124,342	22,806	24,045
Financial Income/(Expense)	(34,868)	(28,171)	(22,452)	(22,452)	(22,452)
Pretax Income/(Loss) from Assoc.					
Non-Operating Income/(Expense)	9,852	10,117	8,022	7,560	7,144
Profit Before Tax (pre-EI)	(19,941)	68,206	109,913	7,915	8,738
Exceptional Items	51,647	584			
Pre-tax Profit	31,707	68,790	109,913	7,915	8,738
Taxation	(11,491)	(30,290)	(48,397)	(3,485)	(3,847)
Exceptional Income - post-tax					
Profit After Tax	20,215	38,500	61,515	4,430	4,890
Minority Interests					
Preferred Dividends					
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	20,215	38,500	61,515	4,430	4,890
Recurring Net Profit	(12,714)	38,173	61,515	4,430	4,890
Fully Diluted Recurring Net Profit	(12,714)	38,173	61,515	4,430	4,890

Cash Flow					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
EBITDA	42,625	127,281	166,198	66,728	69,345
Cash Flow from Invt. & Assoc.					
Change In Working Capital	(106,806)	100,367	(56,868)	14,015	(8,364)
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense	(1,956)	(4,221)	766	(10,697)	2,022
Other Operating Cashflow	92,631	38,535	(66,321)	23,042	21,901
Net Interest (Paid)/Received	(33,870)	(28,226)	(22,452)	(22,452)	(22,452)
Tax Paid	871	224	48,397	3,485	3,847
Cashflow From Operations	(6,506)	233,959	69,720	74,121	66,300
Capex	(44,491)	(36,843)	(40,000)	(40,000)	(40,000)
Disposals Of FAs/subsidiaries					
Acq. Of Subsidiaries/investments					
Other Investing Cashflow	2,130	2,935			
Cash Flow From Investing	(42,361)	(33,908)	(40,000)	(40,000)	(40,000)
Debt Raised/(repaid)	89,074	(163,350)			
Proceeds From Issue Of Shares					
Shares Repurchased					
Dividends Paid	(2,481)	(4,131)			
Preferred Dividends					
Other Financing Cashflow	(36,538)	(29,421)	(22,452)	(22,452)	(22,452)
Cash Flow From Financing	50,055	(196,901)	(22,452)	(22,452)	(22,452)
Total Cash Generated	1,188	3,150	7,268	11,670	3,848
Free Cashflow To Equity	40,207	36,701	29,720	34,121	26,300
Free Cashflow To Firm	(14,997)	228,277	52,172	56,573	48,752



### BY THE NUMBERS...cont'd (Steel Authority of India)

Balance Sheet					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Cash And Equivalents	3,633	6,805	14,074	25,743	29,592
Total Debtors	88,124	71,240	75,000	70,000	75,327
Inventories	237,472	152,720	268,255	221,084	235,193
Total Other Current Assets	79,956	88,996	98,920	94,283	95,541
Total Current Assets	409,185	319,761	456,249	411,111	435,652
Fixed Assets	777,706	788,951	787,096	783,174	777,874
Total Investments	15,850	15,950	15,950	15,950	15,950
Intangible Assets					
Total Other Non-Current Assets	48,238	28,740	29,590	29,315	29,386
Total Non-current Assets	841,794	833,642	832,636	828,439	823,210
Short-term Debt	166,408	158,502	158,502	158,502	158,502
Current Portion of Long-Term Debt					
Total Creditors	63,270	70,144	100,303	82,665	87,941
Other Current Liabilities	190,644	215,237	257,430	232,274	239,327
Total Current Liabilities	420,322	443,884	516,235	473,441	485,770
Total Long-term Debt	374,863	200,070	200,070	200,070	200,070
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	16,931	16,710	18,357	17,080	17,324
Total Non-current Liabilities	391,794	216,780	218,427	217,150	217,393
Total Provisions	41,088	57,791	57,759	48,064	49,914
Total Liabilities	853,204	718,454	792,421	738,655	753,077
Shareholders Equity	397,774	434,949	496,464	500,894	505,784
Minority Interests					
Total Equity	397,774	434,949	496,464	500,894	505,784

Key Ratios					
	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Revenue Growth	(10.0%)	14.7%	41.7%	(17.6%)	6.4%
Operating EBITDA Growth	(56.2%)	198.6%	30.6%	(59.8%)	3.9%
Operating EBITDA Margin	7.1%	18.4%	17.0%	8.3%	8.1%
Net Cash Per Share (Rs)	(130.17)	(85.17)	(83.41)	(80.58)	(79.65)
BVPS (Rs)	96.30	105.30	120.20	121.27	122.45
Gross Interest Cover	0.15	3.06	5.54	1.02	1.07
Effective Tax Rate	36.2%	44.0%	44.0%	44.0%	44.0%
Net Dividend Payout Ratio					
Accounts Receivables Days	40.31	42.08	27.26	32.79	30.90
Inventory Days	279.68	259.85	192.52	214.94	187.07
Accounts Payables Days	(88.02)	(88.85)	(77.95)	(80.37)	(69.95)
ROIC (%)	0.5%	10.2%	13.8%	2.6%	2.7%
ROCE (%)	0.6%	9.9%	15.0%	2.7%	2.8%
Return On Average Assets	0.3%	5.5%	6.9%	2.1%	2.2%



report please contact your usual CGS-CIMB representative.

Industrial Goods and Services | India Steel | November 22, 2021



#### **DISCLAIMER**

This report (including the views and opinions expressed therein, and the information comprised therein) has been prepared for and is distributed by CGS-CIMB, Incred Research Services Private Limited (formerly known as by Earnest Innovation Partners Private Limited (hereinafter referred to as "IRSPL") pursuant to an arrangement between IRSPL and CGS-CIMB. IRSPL is not an affiliate of CGS-CIMB. IRSPL is held 76% by InCred Capital Wealth Portfolio Managers Private Limited and 24% by EIP Holdings Private Limited. IRSPL is registered with SEBI as a Research Analyst vide Registration No. INH000007793. Pursuant to a trademark agreement, IRSPL has adopted "InCred Equities" as its trademark for use in this report. The term "IRSPL" shall, unless the context otherwise requires, mean IRSPL and its affiliates, subsidiaries and related companies. The term "CGS-CIMB" shall denote, where appropriate, the relevant entity distributing or disseminating the report in the particular jurisdiction referenced below, or, in every other case except as otherwise stated herein, CGS-CIMB Securities International Pte. Ltd. and its affiliates, subsidiaries and related corporations 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 law or regulation and remains subject to the "Restrictions on Distribution" set out below. If your status has changed or the distribution restrictions set out below impact your ability to receive this

By accepting this report, the recipient hereof represents and warrants that he is entitled to receive such report in accordance with the restrictions set forth below and agrees to be bound by the limitations contained herein (including the "Restrictions on Distributions" set out below). Any failure to comply with these limitations may constitute a violation of law and limit our ability to provide reports to you.

This report is being supplied to you strictly on the basis that it will remain confidential. No part of this report may be (i) copied, photocopied, duplicated, stored or reproduced in any form by any means; or (ii) redistributed or passed on, directly or indirectly, to any other person in whole or in part, for any purpose without the prior written consent of IRSPL or CGS-CIMB.

The information contained in this report is prepared from data believed to be correct and reliable at the time of issue of this report.

Under the terms of the agreement between IRSPL and CGS-CIMB, IRSPL is not required to issue regular reports on the subject matter of this report at any frequency and it may cease to do so or change the periodicity of reports at any time. Neither IRSPL nor CGS-CIMB is under any obligation to update this report in the event of a material change to the information contained in this report. Neither IRSPL nor CGS-CIMB has any and will accept any, obligation to (i) check or ensure that the contents of this report remain current, reliable or relevant; (ii) ensure that the content of this report constitutes all the information a prospective investor may require; (iii) ensure the adequacy, accuracy, completeness, reliability or fairness of any views, opinions and information, and accordingly, IRSPL and its affiliates/group companies and/or CGS-CIMB, its affiliates and related persons including China Galaxy International Financial Holdings Limited ("CGIFHL") and CIMB Group Sdn. Bhd. ("CIMBG") and their respective related corporations (and their respective directors, associates, connected persons and/or employees) shall not be liable in any manner whatsoever for any consequences (including but not limited to any direct, indirect or consequential losses, loss of profits and damages) of any reliance thereon or usage thereof. In particular, CGS-CIMB disclaims all responsibility and liability for the views and opinions set out in this report.

Unless otherwise specified, this report is based upon reasonable sources. Such sources will, unless otherwise specified, for market data, be market data and prices available from the main stock exchange or market where the relevant security is listed, or, where appropriate, any other market. Information on the accounts and business of company(ies) will generally be based on published statements of the company(ies), information disseminated by regulatory information services, other publicly available information and information resulting from our research. Whilst every effort is made to ensure that statements 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 as of the date of the document in which they are contained and must not be construed as a representation that the matters referred to therein will occur. Past performance is not a reliable indicator of future performance. The value of investments may go down as well as up and those investing may, depending on the investments in question, lose more than the initial investment. No report shall constitute an offer or an invitation by or on behalf of IRSPL and its affiliates/group companies and/or CGS-CIMB or their respective affiliates (including CGIFHL, CIMBG and their respective related corporations) or IRSPL and its affiliates/group companies, to any person to buy or sell any investments.

By IRSPL producing this report for CGS-CIMB, IRSPL has confirmed to CGS-CIMB that the opinions expressed are based on information it believes to be accurate and complete and obtained through reliable public or other non-confidential sources at the time made. (Information barriers and other arrangements may be established where necessary to prevent conflicts of interests arising. However, the analyst(s) may receive compensation that is based on his/their coverage of company(ies) in the performance of his/their duties or the performance of his/their recommendations. In reviewing this report, an investor should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest. Additional information is, subject to the duties of confidentiality, available on request.

The report is not a "prospectus" as defined under Indian Law, including the Companies Act, 2013, and is not, and shall not be, approved by, or filed or registered with, any Indian regulator, including any Registrar of Companies in India, SEBI, any Indian stock exchange, or the Reserve Bank of India. No offer, or invitation to offer, or solicitation of subscription with respect to any such securities listed or proposed to be listed in India is being made, or intended to be made, to the public, or to any member or section of the public in India, through or pursuant to this report

The research analysts, strategists or economists principally responsible for the preparation of this research report are segregated from the other activities of IRSPL. Information barriers and other arrangements have been established, as required, to prevent any conflicts of interests.

IRSPL may have issued other reports (based on technical analysis, event specific, short term views etc.) that are inconsistent with and reach different conclusion from the information presented in this report.

Holding of Analysts/Relatives of Analysts, IRSPL and Associates of IRSPL in the covered securities, as on the date of publishing of this report





	Analyst/ Relative	Entity/ Associates
any financial interests in the company covered in this report (subject company) and nature of such financial interest	NO	NO
actual/beneficial ownership of 1% or more in securities of the subject company at the end of the month immediately preceding the date of publication of the research report or date of the public appearance;	NO	NO
any other material conflict of interest at the time of publication of the research report or at the time of public appearance	NO	NO
received any compensation from the subject company in the past twelve months for investment banking or merchant banking or brokerage services or investment advisory or depository or distribution from the subject company in the last twelve months for products/services other than investment banking or merchant banking or broker- age services or investment advisory or depository or distribution from the subject company in the last twelve months	NO	NO
managed or co-managed public offering of securities for the subject company in the last twelve months	NO	NO
received any compensation or other benefits from the subject company or third party in connection with the research report	NO	NO
served as an officer, director or employee of the subject company	NO	NO
been engaged in market making activity for the subject company	NO	NO

#### Analyst declaration

- The analyst 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 in an unbiased manner.
- No part of the compensation of the analyst(s) was, is, or will be directly or indirectly related to the inclusion of specific recommendations(s) or view(s) in this report or based any specific investment banking transaction.
- The analyst(s) has(have) not had any serious disciplinary action taken against him/her(them).
- The analyst, strategist, or economist does not have any material conflict of interest at the time of publication of this report.
- The analyst(s) has(have) received compensation based upon various factors, including quality, accuracy and value of research, overall firm performance, client feedback and competitive factors.

#### **CGS-CIMB DISCLOSURES**

Country	CGS-CIMB Entity	Regulated by
Hong Kong	CGS-CIMB Securities (Hong Kong) Limited	Securities and Futures Commission Hong Kong
India	CGS-CIMB Securities (India) Private Limited	Securities and Exchange Board of India (SEBI)
Indonesia	PT CGS-CIMB Sekuritas Indonesia	Financial Services Authority of Indonesia
Malaysia	CGS-CIMB Securities Sdn. Bhd.	Securities Commission Malaysia
Singapore	CGS-CIMB Securities (Singapore) Pte. Ltd.	Monetary Authority of Singapore
South Korea	CGS-CIMB Securities (Hong Kong) Limited, Korea Branch	Financial Services Commission and Financial Supervisory Service
Thailand	CGS-CIMB Securities (Thailand) Co. Ltd.	Securities and Exchange Commission Thailand

#### Other Significant Financial Interests:

As of the end of 31st October 202131st O

- (i) have a proprietary position in the securities (which may include but not be limited to shares, warrants, call warrants and/or any other derivatives) in the company(ies) covered in this report except for the following:
  - (a) Nil
- (ii) act as market maker or have assumed an underwriting commitment in securities of the company(ies) covered in this report except for the following:

  (a) Nil
- (iii) perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to the company(ies) covered in this report and/or solicit such investment, advisory or other services from the company(ies) covered in this report except for the following:
- (a) Nil





CGS-CIMB, its affiliates, related corporations (including CGIFHL, CIMBG and their respective related corporations) and/or their respective directors, associates, connected parties and/or employees and/or IRSPL and/or its affiliates and/or its Directors/employees may own or have positions in securities of the company(ies) covered in this report or any securities related thereto and may from time to time add to or dispose of, or may be materially interested in, any such securities.

CGS-CIMB, its affiliates and related corporations (including CGIFHL, CIMBG and their respective related corporations) and/or IRSPL and/or its affiliates and/or its Directors/employees may do and seek to do business with the company(ies) covered in this research report and may from time to time (a) buy/sell the securities covered in this report, from time to time and/or (b) act as market maker or have assumed an underwriting commitment in securities of such company(ies), and/or (c) may sell them to or buy them from customers on a principal basis and/or (d) may also perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to such company(ies) and/or (e) solicit such investment, advisory or other services from any entity mentioned in this report and/or (f) act as a lender/borrower to such company and may earn brokerage or other compensation. However, Analysts are forbidden to acquire, on their own account or hold securities (physical or uncertificated, including derivatives) of companies in respect of which they are compiling and producing financial recommendations or in the result of which they play a key part

This report does not purport to contain all the information that a prospective investor may require. Neither CGS-CIMB nor any of its affiliates (including CGIFHL, CIMBG and their related corporations) make any guarantee, representation or warranty, express or implied, as to the adequacy, accuracy, completeness, reliability or fairness of any such information and opinion contained in this report. Neither CGS-CIMB nor any of its affiliates nor their related persons (including CGIFHL, CIMBG and their related corporations) shall be liable in any manner whatsoever for any consequences (including but not limited to any direct, indirect or consequential losses, loss of profits and damages) of any reliance thereon or usage thereof.

This report is general in nature and has been prepared for information purposes only. It is intended for circulation amongst CGS-CIMB's and its affiliates' (including CGIFHL's, CIMBG's and their respective related corporations') clients generally 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. The information and opinions in this report are not and should not be construed or considered as an offer, recommendation or solicitation to buy or sell the subject securities, related investments or other financial instruments or any derivative instrument, or any rights pertaining thereto.

Investors are advised to make their own independent evaluation of the information contained in this report, consider their own individual investment objectives, financial situation and particular needs and consult their own professional and financial advisers as to the legal, business, financial, tax and other aspects before participating in any transaction in respect of the securities of company(ies) covered in this report. The securities of such company(ies) may not be eligible for sale in all jurisdictions or to all categories of investors.

The report is not a "prospectus" as defined under Indian Law, including the Companies Act, 2013, and is not, and shall not be, approved by, or filed or registered with, any Indian regulator, including any Registrar of Companies in India, SEBI, any Indian stock exchange, or the Reserve Bank of India. No offer, or invitation to offer, or solicitation of subscription with respect to any such securities listed or proposed to be listed in India is being made, or intended to be made, to the public, or to any member or section of the public in India, through or pursuant to this report

#### Restrictions on Distributions

Australia: Despite anything in this report to the contrary, this research is prepared for and provided in Australia by CGS-CIMB Securities (Singapore) Pte. Ltd. and CGS-CIMB Securities (Hong Kong) Limited. This research is only available in Australia to persons who are "wholesale clients" (within the meaning of the Corporations Act 2001 (Cth) and is supplied solely for the use of such wholesale clients and shall not be distributed or passed on to any other person. You represent and warrant that if you are in Australia, you are a "wholesale client". This research is of a general nature only and has been prepared without taking into account the objectives, financial situation or needs of the individual recipient. CGS-CIMB Securities (Singapore) Pte. Ltd. and CGS-CIMB Securities (Hong Kong) Limited do not hold, and are not required to hold an Australian financial services license. CGS-CIMB Securities (Singapore) Pte. Ltd. and CGS-CIMB Securities (Hong Kong) Limited rely on "passporting" exemptions for entities appropriately licensed by the Monetary Authority of Singapore (under ASIC Class Order 03/1102) and the Securities and Futures Commission in Hong Kong (under ASIC Class Order 03/1103).

**Canada**: This report has not been prepared in accordance with the disclosure requirements of Dealer Member Rule 3400 – Research Restrictions and Disclosure Requirements of the Investment Industry Regulatory Organization of Canada. For any research report distributed by CIBC, further disclosures related to CIBC conflicts of interest can be found at https://researchcentral.cibcwm.com.

China: For the purpose of this report, the People's Republic of China ("PRC") does not include the Hong Kong Special Administrative Region, the Macau Special Administrative Region or Taiwan. The distributor of this report has not been approved or licensed by the China Securities Regulatory Commission or any other relevant regulatory authority or governmental agency in the PRC. This report contains only marketing information. The distribution of this report is not an offer to buy or sell to any person within or outside PRC or a solicitation to any person within or outside of PRC to buy or sell any instruments described herein. This report is being issued outside the PRC to a limited number of institutional investors and may not be provided to any person other than the original recipient and may not be reproduced or used for any other purpose.

**France**: Only qualified investors within the meaning of French law shall have access to this report. This report shall not be considered as an offer to subscribe to, or used in connection with, any offer for subscription or sale or marketing or direct or indirect distribution of financial instruments and it is not intended as a solicitation for the purchase of any financial instrument.

**Germany**: This report is only directed at persons who are professional investors as defined in sec 31a(2) of the German Securities Trading Act (WpHG). This publication constitutes research of a non-binding nature on the market situation and the investment instruments cited here at the time of the publication of the information.

The current prices/yields in this issue are based upon closing prices from Bloomberg as of the day preceding publication. Please note that neither the German Federal Financial Supervisory Agency (BaFin), nor any other supervisory authority exercises any control over the content of this report.

Hong Kong: This report is prepared for and distributed in Hong Kong by CGS-CIMB Securities (Hong Kong) Limited ("CHK") which is licensed in Hong Kong by the Securities and Futures Commission for Type 1 (dealing in securities) and Type 4 (advising on securities) activities. Any investors wishing to purchase or otherwise deal in the securities covered in this report should contact the Head of Sales at CHK. The views and opinions in this report are our own as of the date hereof and are 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. CHK has no obligation to update its





opinion or the information in this report.

This publication is strictly confidential and is for private circulation only to clients of CHK.

India: This report is prepared by IRSPL for and distributed in India by IRSPL or CGS-CIMB Securities (India) Private Limited ("CGS-CIMB India"), as the case may be. CGS-CIMB India is a subsidiary of CGS-CIMB Securities International Pte. Ltd. which is in turn is a 50:50 joint venture company of CGIFHL and CIMBG. The details of the members of the group of companies of CGS-CIMB can be found at www.cgs-cimb.com, CGIFHL at www.chinastock.com.hk/en/ACG/ContactUs/index.aspx and CIMBG at www.cimb.com/en/who-we-are.html. CGS-CIMB India is registered with the National Stock Exchange of India Limited and BSE Limited as a trading and clearing member (under the Securities and Exchange Board of India (Stock Brokers and Sub-Brokers) Regulations, 1992. . CGS-CIMB India is registered with SEBI (SEBI Registration Number: INZ000209135) as a Research Analyst (INH000000669) pursuant to the SEBI (Research Analysts) Regulations, 2014 ("Regulations").

By IRSPL producing this report for CGS-CIMB, IRSPL has confirmed to CGS-CIMB that the research analysts, strategists or economists principally responsible for the preparation of this report are segregated from the other activities of IRSPL and they have received compensation based upon various factors, including quality, accuracy and value of research, firm profitability or revenues, client feedback and competitive factors. Research analysts', strategists' or economists' compensation is not linked to investment banking or capital markets transactions performed or proposed to be performed by IRSPL, CGS-CIMB India or its affiliates.

This report does not take into account the particular investment objectives, financial situations, or needs of the recipients. It is not intended for and does not deal with prohibitions on investment due to law/jurisdiction issues etc. which may exist for certain persons/entities. Recipients should rely on their own investigations and take their own professional advice before investment.

CGS-CIMB India does not have actual / beneficial ownership of 1% or more securities of the subject company in this report, at the end of the month immediately preceding the date of publication of this report. However, since affiliates of CGS-CIMB India are engaged in the financial services business, they might have in their normal course of business financial interests or actual / beneficial ownership of one per cent or more in various companies including the subject company in this report.

CGS-CIMB India or its associates, may: (a) from time to time, have long or short position in, and buy or sell the securities of the subject company in this report; or (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the subject company in this report or act as an advisor or lender/borrower to such company or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.

CGS-CIMB India and associates have not received any compensation for investment banking, merchant banking or brokerage services from the subject company mentioned in the report in the past 12 months.

CGS-CIMB India and associates have not managed or co-managed public offering of securities for the subject company mentioned in the report in the past 12 months.

Indonesia: This report is prepared for and distributed in Indonesia by PT CGS-CIMB Sekuritas Indonesia ("CGS-CIMB Indonesia"). The views and opinions in this report is prepared from data believed to be correct and reliable at the time of issue of this report and are subject to change. CGS-CIMB Indonesia has no obligation to update the opinion or the information in this report. This report is for private circulation only to clients of CGS-CIMB Indonesia. Neither this report nor any copy hereof may be distributed in Indonesia or to any Indonesian citizens wherever they are domiciled or to Indonesian residents except in compliance with applicable Indonesian capital market laws and regulations.

This report is not an offer of securities in Indonesia. The securities referred to in this report have not been registered with the Financial Services Authority (Otoritas Jasa Keuangan) pursuant to relevant capital market laws and regulations, and may not be offered or sold within the territory of the Republic of Indonesia or to Indonesian citizens through a public offering or in circumstances which constitute an offer within the meaning of the Indonesian capital market law and regulations.

**Ireland**: CGS-CIMB is not an investment firm authorised in the Republic of Ireland and no part of this document should be construed as CGS-CIMB acting as, or otherwise claiming or representing to be, an investment firm authorised in the Republic of Ireland.

**Malaysia:** This report is prepared for and distributed in Malaysia by CGS-CIMB Securities Sdn. Bhd. ("CGS-CIMB Malaysia") solely for the benefit of and for the exclusive use of our clients. Recipients of this report are to contact CGS-CIMB Malaysia, at Level 29, Menara Bumiputra-Commerce, No. 11, Jalan Raja Laut, 50350 Kuala Lumpur, Malaysia, in respect of any matters arising from or in connection with this report. CGS-CIMB Malaysia has no obligation to update, revise or reaffirm the opinion or the information in this report after the date of this report.

**New Zealand**: In New Zealand, this report is for distribution only to persons who are wholesale clients pursuant to section 5C of the Financial Advisers Act 2008.

**Singapore:** This report is prepared for and distributed in Singapore by CGS-CIMB Securities (Singapore) Pte Ltd ("CGS-CIMB Singapore"). CGS-CIMB Singapore is a capital markets services licensee under the Securities and Futures Act (Chapter 289). Accordingly, it is exempted from the requirement to hold a financial adviser's licence under the Financial Advisers Act, Cap 110 ("FAA") for advising on investment products, by issuing or promulgating research analyses or reports, whether in electronic, print or other form. CGS-CIMB Singapore is subject to the applicable rules under the FAA unless it is able to avail itself to any prescribed exemptions.

Recipients of this report are to contact CGS-CIMB Singapore, 50 Raffles Place, #16-02 Singapore Land Tower, Singapore in respect of any matters arising from, or in connection with this report. CGS-CIMB Singapore has no obligation to update the opinion or the information in this report. This publication is strictly confidential and is for private circulation only. If you have not been sent this report by CGS-CIMB Singapore directly, you may not rely, use or disclose to anyone else this report or its contents.

If the recipient of this report is not an accredited investor, expert investor or institutional investor, CGS-CIMB Singapore accepts legal responsibility for the contents of the report without any disclaimer limiting or otherwise curtailing such legal responsibility. If the recipient is an accredited investor, expert investor or institutional investor, the recipient is deemed to acknowledge that CGS-CIMB Singapore is exempt from certain requirements under the FAA and its attendant regulations, and as such, is exempt from complying with the following:

- (a) Section 25 of the FAA (obligation to disclose product information);
- (b) Section 27 of the FAA (duty not to make recommendation with respect to any investment product without having a reasonable basis where you may be reasonably expected to rely on the recommendation);





- (c) MAS Notice on Information to Clients and Product Information Disclosure [Notice No. FAA-N03];
- (d) MAS Notice on Recommendation on Investment Products [Notice No. FAA-N16];
- (e) Section 36 of the FAA (obligation on disclosure of interest in specified products); and
- (f) any other laws, regulations, notices, directive, guidelines, circulars and practice notes which relates to the above, to the extent permitted by applicable laws, as may be amended from time to time, and any other laws, regulations, notices, directive, guidelines, circulars, and practice notes as we may notify you from time to time. In addition, the recipient who is an accredited investor, expert investor or institutional investor acknowledges that as CGS-CIMB Singapore is exempt from Section 27 of the FAA, the recipient will also not be able to file a civil claim against CGS-CIMB Singapore for any loss or damage arising from the recipient's reliance on any recommendation made by CGS-CIMB Singapore which would otherwise be a right that is available to the recipient under Section 27 of the FAA.

CGS-CIMB Singapore, its affiliates and related corporations, their directors, associates, connected parties and/or employees may own or have positions in specified products of the company(ies) covered in this report or any specified products related thereto and may from time to time add to or dispose of, or may be materially interested in, any such specified products. Further, CGS-CIMB Singapore, its affiliates and its related corporations do and seek to do business with the company(ies) covered in this report and may from time to time act as market maker or have assumed an underwriting commitment in specified products of such company(ies), may sell them to or buy them from customers on a principal basis and may also perform or seek to perform significant investment banking, advisory, underwriting or placement services for or relating to such company(ies) as well as solicit such investment, advisory or other services from any entity mentioned in this report.

As of CGS-CIMB Singapore does not have a proprietary position in the recommended specified products in this report.

CGS-CIMB Singapore makes a market on the specified products.

CGS-CIMB Singapore does not make a market on other specified products mentioned in the report.

**South Korea:** This report is prepared for and distributed in South Korea by CGS-CIMB Securities (Hong Kong) Limited, Korea Branch ("CGS-CIMB Korea") which is licensed as a cash equity broker, and regulated by the Financial Services Commission and Financial Supervisory Service of Korea. In South Korea, this report is for distribution only to professional investors under Article 9(5) of the Financial Investment Services and Capital Market Act of Korea ("FSCMA").

**Spain**: This document is a research report and it is addressed to institutional investors only. The research report is of a general nature and not personalised and does not constitute investment advice so, as the case may be, the recipient must seek proper advice before adopting any investment decision. This document does not constitute a public offering of securities.

CGS-CIMB is not registered with the Spanish Comision Nacional del Mercado de Valores to provide investment services.

**Sweden**: This report contains only marketing information and has not been approved by the Swedish Financial Supervisory Authority. The distribution of this report is not an offer to sell to any person in Sweden or a solicitation to any person in Sweden to buy any instruments described herein and may not be forwarded to the public in Sweden.

**Switzerland**: This report has not been prepared in accordance with the recognized self-regulatory minimal standards for research reports of banks issued by the Swiss Bankers' Association (Directives on the Independence of Financial Research).

**Thailand**: This report is prepared for and distributed in Thailand by CGS-CIMB Securities (Thailand) Co. Ltd. ("CGS-CIMB Thailand") based upon sources believed to be reliable (but their accuracy, completeness or correctness is not guaranteed). The statements or expressions of opinion herein were arrived at after due and careful consideration for use as information for investment. Such opinions are subject to change without notice and CGS-CIMB Thailand has no obligation to update its opinion or the information in this report.

CGS-CIMB Thailand may act or acts as Market Maker, and issuer and offerer of Derivative Warrants and Structured Note which may have the following securities as its underlying securities. Investors should carefully read and study the details of the derivative warrants in the prospectus before making investment decisions.

AAV, ACE, ADVANC, AEONTS, AMATA, AOT, AP, BAM, BANPU, BBL, BCH, BCP, BCPG, BDMS, BEC, BEM, BGRIM, BH, BJC, BTS, CBG, CENTEL, CHG, CK, CKP, COM7, CPALL, CPF, CPN, CRC, DELTA, DOHOME, DTAC, EA, EGCO, ESSO, GLOBAL, GPSC, GULF, GUNKUL, HANA, HMPRO, ICHI, INTUCH, IRPC, IVL, JAS, JMART, JMT, KBANK, KCE, KKP, KTB, KTC, LH, MAJOR, MEGA, MINT, MTC, NRF, OR, ORI, OSP, PLANB, PRM, PSL, PTG, PTL, PTT, PTTEP, PTTGC, QH, RATCH, RBF, RS, SAWAD, SCB, SCC, SCGP, SINGER, SPALI, SPRC, STA, STEC, STGT, SUPER, SYNEX, TASCO, TCAP, THANI, TISCO, TKN, TOP, TQM, TRUE, TTB, TU, TVO, VGI, WHA

#### **Corporate Governance Report:**

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

The survey result is as of the date appearing in the Corporate Governance Report of Thai Listed Companies. As a result, the survey result may be changed after that date. CGS-CIMB Thailand does not confirm nor certify the accuracy of such survey result.

Score Range:	90 - 100	80 – 89	70 - 79	Below 70	No Survey Result
Description:	Excellent	Very Good	Good	N/A	N/A





**United Arab Emirates**: The distributor of this report has not been approved or licensed by the UAE Central Bank or any other relevant licensing authorities or governmental agencies in the United Arab Emirates. This report is strictly private and confidential and has not been reviewed by, deposited or registered with UAE Central Bank or any other licensing authority or governmental agencies in the United Arab Emirates. This report is being issued outside the United Arab Emirates to a limited number of institutional investors and must not be provided to any person other than the original recipient and may not be reproduced or used for any other purpose. Further, the information contained in this report is not intended to lead to the sale of investments under any subscription agreement or the conclusion of any other contract of whatsoever nature within the territory of the United Arab Emirates.

United Kingdom and European Economic Area (EEA): In the United Kingdom and European Economic Area, this material is prepared for and being distributed by CGS-CIMB Securities (UK) Limited ("CGS-CIMB UK"). CGS-CIMB UK is authorized and regulated by the Financial Conduct Authority and its registered office is at 27 Knightsbridge, London, SW1X7YB. The material distributed by CGS-CIMB UK has been prepared in accordance with CGS-CIMB's policies for managing conflicts of interest arising as a result of publication and distribution of this material. This material is for distribution only to, and is solely directed at, selected persons on the basis that those persons: (a) are eligible counterparties and professional clients of CGS-CIMB UK; (b) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Order"), (c) fall within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc") of the Order; (d) are outside the United Kingdom subject to relevant regulation in each jurisdiction, material(all such persons together being referred to as "relevant persons"). This material is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this material relates is available only to relevant persons and will be engaged in only with relevant persons.

This material is categorised as non-independent for the purposes of CGS-CIMB UK and therefore does not provide an impartial or objective assessment of the subject matter and does not constitute independent research. Consequently, this material has not been prepared in accordance with legal requirements designed to promote the independence of research and will not be subject to any prohibition on dealing ahead of the dissemination of research. Therefore, this material is considered a marketing communication.

United States: This report is prepared for and distributed in the United States of America by CGS-CIMB Securities (USA) Inc, a U.S. registered broker-dealer and an affiliate of CGS-CIMB Securities Sdn. Bhd., CGS-CIMB Securities (Singapore) Pte Ltd, PT CGS-CIMB Sekuritias Indonesia, CGS-CIMB Securities (Thailand) Co. Ltd, CGS-CIMB Securities (Hong Kong) Limited and CGS-CIMB Securities (India) Private Limited, and is distributed solely to persons who qualify as "U.S. Institutional Investors" as defined in Rule 15a-6 under the Securities and Exchange Act of 1934. This communication is only for Institutional Investors whose ordinary business activities involve investing in shares, bonds, and associated securities and/or derivative securities and who have professional experience in such investments. Any person who is not a U.S. Institutional Investor or Major Institutional Investor must not rely on this communication. The delivery of this report to any person in the United States of America is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein. CGS-CIMB Securities (USA) Inc, is a FINRA/SIPC member and takes responsibility for the content of this report. For further information or to place an order in any of the above-mentioned securities please contact a registered representative of CGS-CIMB Securities (USA) Inc.

CGS-CIMB Securities (USA) Inc. has managed or co-managed a public offering of securities in the past 12 months.

CGS-CIMB Securities (USA) Inc. has not managed or co-managed a public offering of any of the securities mentioned in the past 12 months.

CGS-CIMB Securities (USA) Inc. has received compensation for investment banking services in the past 12 months.

CGS-CIMB Securities (USA) Inc. has not received compensation for investment banking services from any of the company mentioned in the past 12 months.

CGS-CIMB Securities (USA) Inc. expects to receive or intend to seek compensation for investment banking services within the next 3 months.

CGS-CIMB Securities (USA) Inc. neither expects to receive nor intends to seek compensation for investment banking services from any of the company mentioned within the next 3 months.

As of the end of the month immediately preceding the date of publication of this report, CGS-CIMB Securities (USA) Inc. beneficially owns 1% or more of any class of common equity securities.

United States Third-Party Disclaimer: If this report is distributed in the United States of America by Raymond James & Associates, Inc ("RJA"), this report is third-party research prepared for and distributed in the United States of America by RJA pursuant to an arrangement between RJA and CGS-CIMB Securities International Pte. Ltd. ("CGS-CIMB"). CGS-CIMB is not an affiliate of RJA. This report is distributed solely to persons who qualify as "U.S. Institutional Investors" or as "Major U.S. Institutional Investors" as defined in Rule 15a-6 under the Securities and Exchange Act of 1934, as amended. This communication is only for U.S. Institutional Investors or Major U.S. Institutional Investor whose ordinary business activities involve investing in shares, bonds, and associated securities and/or derivative securities and who have professional experience in such investments. Any person who is not a U.S. Institutional Investor or Major U.S. Institutional Investor must not rely on this communication. The delivery of this report to any person in the U.S. is not a recommendation to effect any transactions in the securities discussed herein, or an endorsement of any opinion expressed herein. If you are receiving this report in the U.S from RJA, a FINRA/SIPC member, it takes responsibility for the content of this report. For further information or to place an order in any of the above-mentioned securities please contact a registered representative of CGS-CIMB Securities (USA) Inc. or RJA. <a href="https://raymondjames.com/InternationalEquityDisclosures">https://raymondjames.com/InternationalEquityDisclosures</a>

**Other jurisdictions:** In any other jurisdictions, except if otherwise restricted by laws or regulations, this report is only for distribution to professional, institutional, or sophisticated investors as defined in the laws and regulations of such jurisdictions.





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

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

- CG Score 2021 from Thai Institute of Directors Association (IOD)

Add

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

### **Recommendation Framework Stock Ratings** The stock's total return is expected to exceed 10% over the next 12 months.

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

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

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

Sector Ratings	Definition:
Overweight	An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation.
Neutral	A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.
Underweight	An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.

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

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

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