





### India

### **ADD** (previously REDUCE)

Buy 21 Hold 4 Sell 3 Consensus ratings\*: Current price: Rs171 Rs233 Target price: Previous target: Rs149 36.3% Up/downside: InCred Research / Consensus: 20.2% COAL.NS Reuters: COAL IN Bloombera: US\$14.054m Market cap: Rs1,052,286m US\$37.6m Average daily turnover: Rs2814.5m

6,162.7m

33.9%

#### Key changes in this note

Current shares o/s:

Free float:

\*Source: Bloomberg

- FY23F EPS increased by 134%.
- FY24F EPS increased by 87.3%.



		Source: B	loomberg
Price performance	1M	ЗМ	12M
Absolute (%)	(9.5)	19.2	49.5
Relative (%)	(11.6)	4.9	(1.2)

Major shareholders	% held
Promoter & Promoter Group	66.1
HDFC Trustee Company Ltd	4.1
CPSE Exchange Traded Scheme	2.6

## **Coal India**

## E-auction benefits likely to accrue again

- The recent energy crisis and the lack of mining investments because of ESG concerns makes us believe that coal prices can remain strong in medium-term
- Even after taking IEA's aggressive coal consumption fall projection, we project very thin surplus in global market in CY23F and a deficit in CY24/25F.
- E-auction prices are set to rise again. We upgrade FY23F and FY24F EPS by 134% and 87.3%, respectively. Upgrade stock to ADD with TP of Rs233/share.

#### Lack of global coal mining investment is leading to shortages

Reluctance of banks to lend, pressure from investors and projection of a bleak future by international agencies like the International Energy Agency (IEA) has led to suboptimal investment in mining assets over the last few years. Lack of investment has led to a decline in coal grades, rise in operational expenses and overall decline in production. Investors are forcing companies to dividend out the cashflows, further exacerbating the lack of capex. As per IEA, as of now, the world has only 40-45mt of more advanced coal projects (which can yield production in one-or two-years' time frame). The whole bear thesis (ours now as well as in the past) was based on a rapid shift from coal to renewables, but unfortunately that's not happening. Coal consumption in terms of exa-joules fell at a -0.9% CAGR over the last five years compared to overall energy consumption growth at 0.44% CAGR, but over the last couple of years production has lagged consumption by 100bp. We see a shortage of coal in the near to medium-term which will lead to sustained high coal prices. Coal India Ltd (CIL) likely to benefit from its E-auction realizations, in our view.

### Cost likely to rise but will be compensated by FSA and E-auction

After every wage negotiation, CIL used to raise Fuel Supply Agreement or FSA coal prices and customers used to accept it as the cost gets passed on to end-consumers. We expect the same to happen this time around as well and adding to it is the benefit of high E-auction prices. While import parity prices of CIL's E-auction grade coal (at international prices of US\$70/t, current price of the same grade coal is US\$100/t) works out to Rs4,350/t, we are working with Rs2,500/t assumption for FY23F and Rs2,700/t for FY24F.

#### Upgrade rating on the stock to ADD with a TP of Rs233/share

We value CIL stock at 4x FY23F EV/EBITDA, which is in line with current trading multiples. We also upgrade our FY23F and FY24F EPS by 134% and 87.3% to Rs30.43/share and Rs 31.28/share, respectively. Downside risk to our hypothesis emanates from any big slowdown in global economy which will reduce power demand, and thereby coal consumption.

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Financial Summary	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Revenue (Rsm)	960,803	900,260	1,025,324	1,217,863	1,299,064
Operating EBITDA (Rsm)	219,209	185,734	205,079	269,629	275,397
Net Profit (Rsm)	167,003	127,022	140,589	187,848	193,122
Core EPS (Rs)	27.1	20.6	22.8	30.5	31.3
Core EPS Growth	(4.0%)	(23.9%)	10.7%	33.6%	2.8%
FD Core P/E (x)	6.30	8.28	7.48	5.60	5.45
DPS (Rs)	12.0	12.5	12.5	12.5	12.5
Dividend Yield	9.20%	7.32%	7.32%	7.32%	7.32%
EV/EBITDA (x)	3.72	4.75	3.63	2.14	1.52
P/FCFE (x)	15.57	10.17	3.94	4.17	4.37
Net Gearing	(67.9%)	(40.8%)	(67.8%)	(85.0%)	(93.8%)
P/BV (x)	3.27	2.88	2.45	1.95	1.60
ROE	57.0%	37.0%	35.4%	38.8%	32.3%
% Change In Core EPS Estimates			53.11%	134.47%	87.65%
InCred Research/Consensus EPS (x)			0.95	1.18	1.19



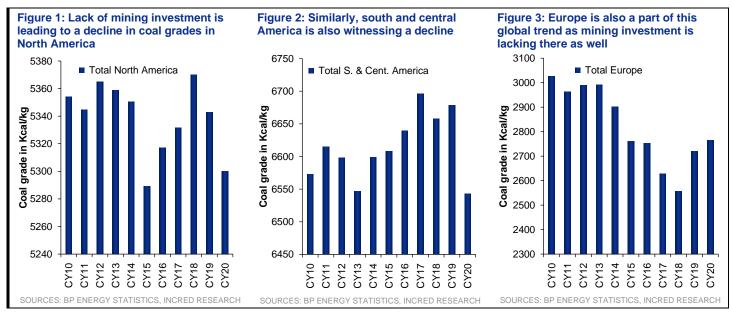


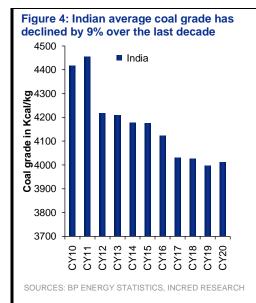
### E-auction benefits likely to accrue again

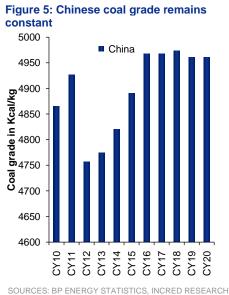
### Coal shortage in sight

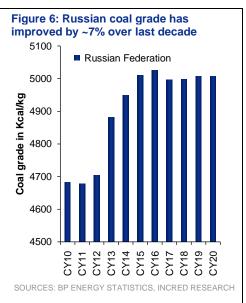
Major economies are witnessing coal grade declining. By coal grade, we mean GCV (Gross Calorific Value) in Kcal/kg. The declining coal grade means that for the same amount of energy input, extra tonnage of coal is needed. Even with very aggressive demand cut projections, lack of mining investments will ensure that thermal coal will remain in short supply.

# Almost all major economies barring China are witnessing a decline in coal grade ➤







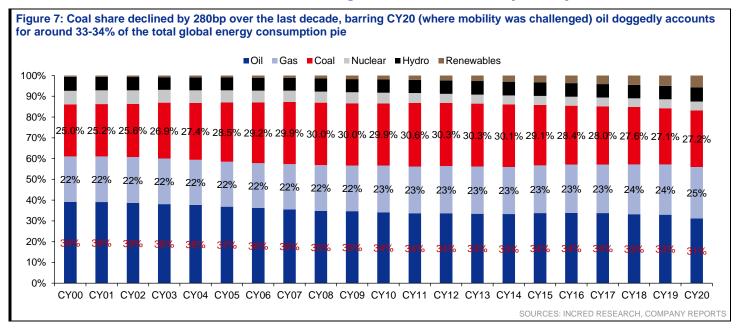




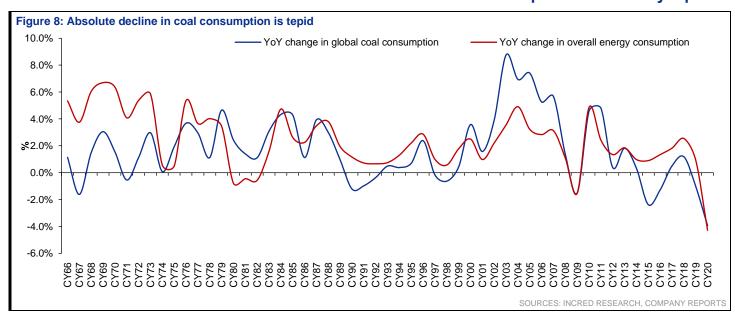


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### Coal is losing its market share very slowly ▶



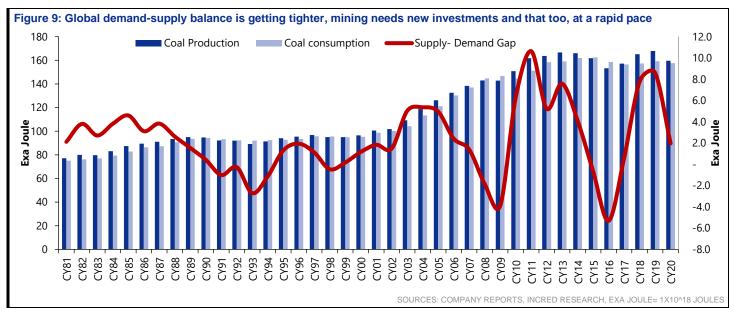
### The absolute decline in coal consumption is also very tepid >



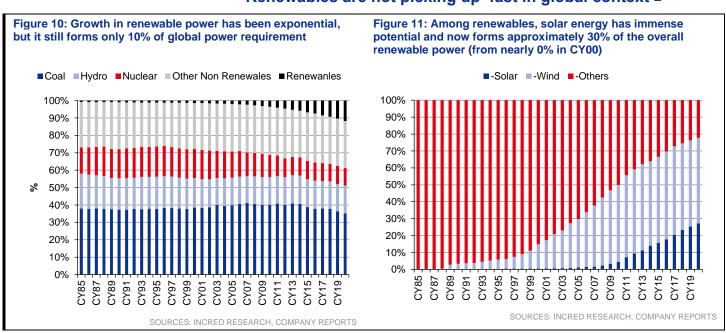


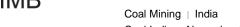


# Consequently, global demand-supply balance in terms of energy contained in coal, is getting tighter ➤



### Renewables are not picking up fast in global context >



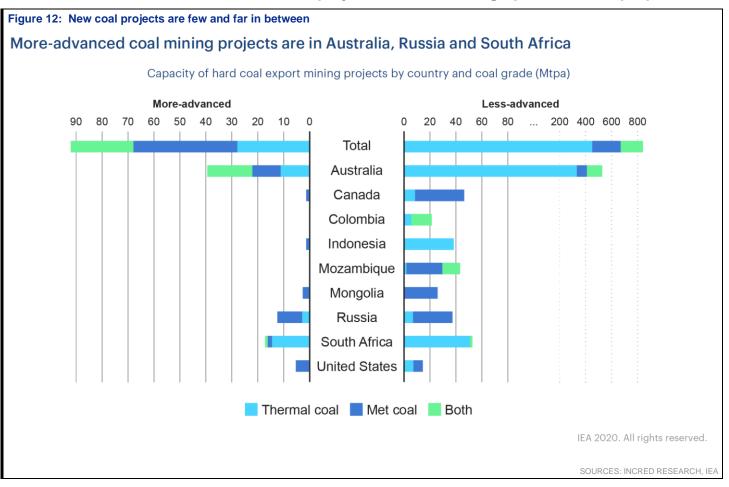




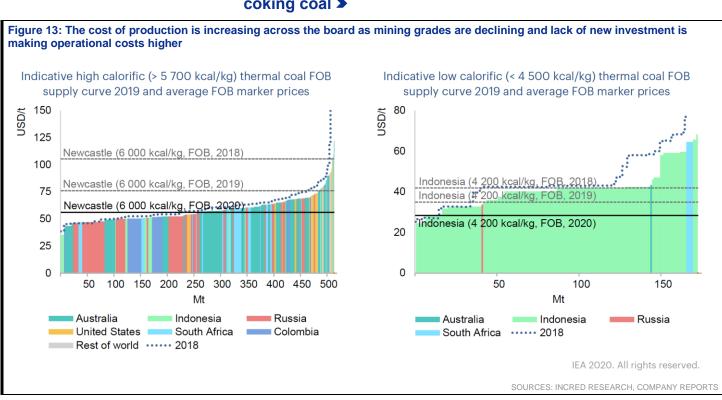
Coal India | November 01, 2021

## **InCred** Equities

### New coal projects are not coming up in the same proportion **▶**



### Cost of production is increasing for both thermal energy and coking coal >





This map is without prejudice to the status of or sovereignty over any territory, to the delimitation of international frontiers and boundaries, and to the name of any territory, city or area



**InCred** Equities

# The trade patterns of coal makes it highly vulnerable in case of global supply chain shock ➤

Figure 14: Given the quantum of trade in thermal coal, it's easy to visualize the havoc any supply chain problem can create to coal supply, and thereby on its prices

Main trade flows in the thermal coal market, 2019 (Mt)

Russia

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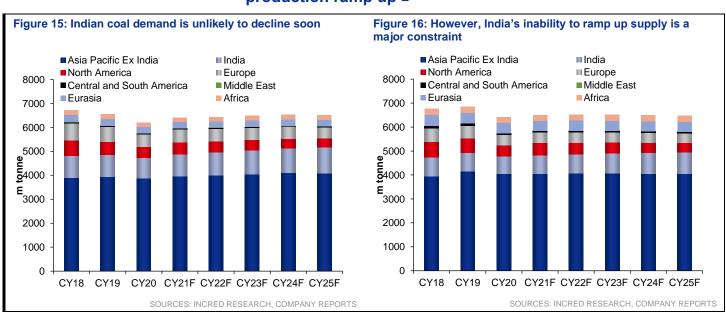
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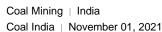
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SOURCES: INCRED RESEARCH, COMPANY REPORTS

# Global demand-supply, to a large extent, is dependent on Indian production ramp up ▶







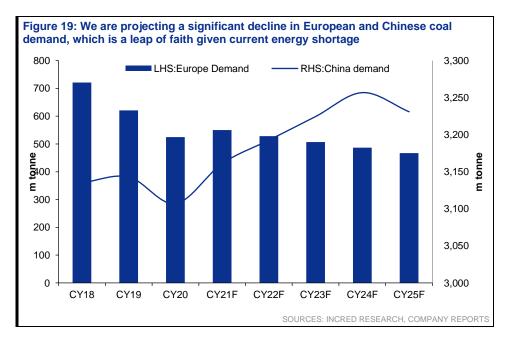
**InCred** Equities

Figure 17: The table below (figures in green) give the demand-supply balance in global market vis-à-vis Indian production and demand **Indian Coal Production** -45.07 850 875 950 975 900 925 1000 1000 106 -19 56 81 31 Indian coal demand -44 -19 31 81 106 1025 56 6 1050 -44 -19 -69 31 56 81 1075 -94 -69 -44 56 -19 6 31 -119 1100 -94 -69 -44 -19 31 1125 -144 -119 -94 -69 -44 -19 1150 -169 -144 -119 -94 -69 -44 -19 1175 -194 -169 -144 -119 -69 -44

### The joker in the pack is Chinese and European coal demand >

We are going with the IEA's forecast of a decline in European coal demand by 36% as at CY25F-end over CY18. However, given the recent energy crisis, this looks far-fetched. The shortage sensitivity with different coal demand situations in Europe and China is given in table below

Figure 18: Coal shortage can be severe in CY25F if European coal demand doesn't decline to 460mt by CY25F European coal demand (million tonne) 45.07 700 500 600 3000 253.1 203.1 153.1 103.1 53.1 3.1 -46.9 China coal demand (million tonnes) -46.9 -96.9 3050 203.1 153.1 103.1 53.1 3100 3.1 -46.9 -96.9 -146.9 153.1 103.1 53.1 103.1 3.1 -46.9 -96.9 -146.9 -196.9 3150 53.1 3.1 -46.9 -96.9 -196.9 -246.9 3200 53.1 -146.9 -46.9 3250 -96.9 -146.9 -196.9-246.9 -296.9 3.1 -46.9 -96.9 3300 -146.9 -196.9 -246.9-296.9 -346.93350 -196.9 -296.9 -346.9 -96.9 -146.9-246.9-396.9SOURCES: IEA, INCRED RESEARCH



### Coal India to benefit as E-auction prices will go up

While CIL will ramp up production, India will remain an importer of coal. Rising international coal prices will lead to higher E-auction prices. We also estimate a rise in wage costs. CIL will be able to take escalation in FSA coal prices. We increase our EPS estimates for FY23F and FY24F by 181.8% and 141.5% to Rs36.63 and Rs41.50, respectively.





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# Driven by international prices, E-auction prices are slated to go up ➤

E-auction realisations are directly linked to international coal prices as CIL aims to reduce imports by providing an alternative to imported coal for industry as such. As we believe thermal coal (6,000 Kcal/kg grade) prices will remain strong, CIL's average grade of 4,000 kcal/kg is likely to remain above Rs3,500/t. The costing of E-auction is shown below.

Figure 20: At US\$70/t (against current prices of US\$100/t) the landed cost of coal works out to be Rs8,767/t				
	Value	Unit		
International coal prices	70.00	US\$/tonne		
Freight charges	15.00	US\$/tonne		
Unloading charges	2.00	US\$/tonne		
CIF Value of Imports	87.00	US\$/tonne		
India import duty	5%			
Landed cost	91.35	US\$/tonne		
GST	4.57	US\$/tonne		
GST compensation tax	5.33	US\$/tonne		
Internal freight	20.00	US\$/tonne		
Landed cost	116.90	US\$/tonne		
Landed cost in Rs/tonne	8,767.56	Rs/tonne		

SOURCES: INCRED RESEARCH, COMPANY REPORTS

Figure 21: The comparable Rs4,373/t	le price for E-auction coal w	orks out to
	Value	Unit
Coal India E-auction prices	4,373.65	Rs/tonne
Royalty	612.31	Rs/tonne
DMF and other charges	214.31	Rs/tonne
GST	249.30	Rs/tonne
GST compensation	400.00	Rs/tonne
Road taxes	50.00	Rs/tonne
Overall Cost	5,899.57	Rs/tonne
Internal freight	2,500.00	Rs/tonne
Wastage	167.99	Rs/tonne
Loading unloading charges	200.00	Rs/tonne
Landed cost	8,767.56	Rs/tonne
3	SOURCES: INCRED RESEARCH, COM	MPANY REPORTS

We have made the following assumptions in costing:

- While current comparable grade prices are US\$100/t, we have worked with US\$70/t assumption.
- We have assumed that imported coal will be used by power plants and user industries which are near to the port, and hence freight costs will be lower compared to E-auction coal.

# Staff cost is a major concerns for investors, but the rise in this cost will compensated by rise in FSA ➤





# Don't BUY Coal India for volume growth but for the rise in realisation ➤

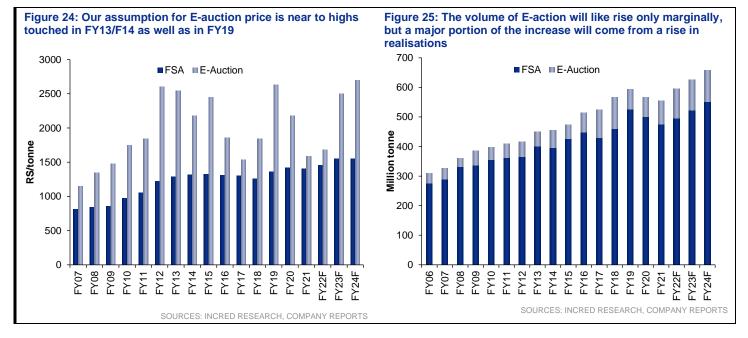
Coal India has been a serial disappointer in volume growth. We won't bet on volume growth delivery by Coal India. E-auction is an indirect way to play on higher coal prices as well inefficiency of Coal India in raising its production.



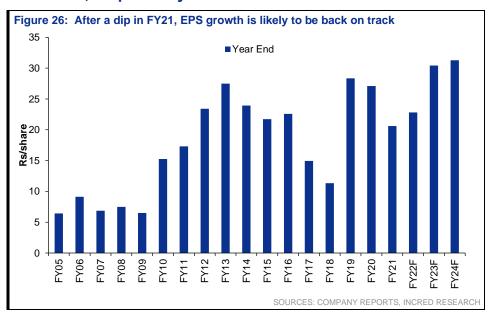




# We model Rs2,500/t in E-auction for FY23F and Rs2,700 in FY24F ➤



# We increase our EPS estimates for FY23F/and FY24F by 134.1% and 87.3%, respectively ➤







# We value Coal India at its historical average trading multiple of 4X EV/EBITDA to arrive at Rs233/share as a fair value ➤

## Figure 27: We value Coal India at 4X EV/EBITDA to arrive at a fair value of Rs233/share

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	Value	Unit
FY23F EBITDA	2,69,629	Rs m
FY24F EBITDA	2,75,397	Rs m
12 Months Forward EBITDA	2,72,513	Rs m
EV/EBITDA Multiple	4.00	X
Enterprise Value	10,90,052	Rs m
Cash	3,48,091	Rs m
Equity value	14,38,143	Rs m
Value Per share	233	Rs/ Share

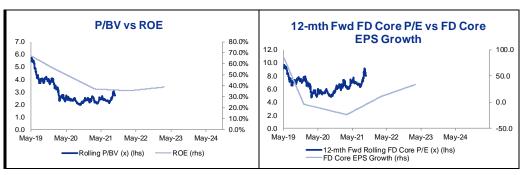
## Figure 28: Coal India has been de-rated and currently trades at 4x EV/EBITDA





# **InCred** Equities

### BY THE NUMBERS



(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Net Revenues	960,803	900,260	1,025,324	1,217,863	1,299,064
Gross Profit	899,967	845,096	945,388	1,131,413	1,205,568
Operating EBITDA	219,209	185,734	205,079	269,629	275,397
Depreciation And Amortisation	(34,508)	(37,089)	(43,154)	(49,440)	(56,057)
Operating EBIT	184,700	148,645	161,925	220,189	219,340
Financial Income/(Expense)	(5,029)	(6,447)	(6,447)	(6,739)	(6,739)
Pretax Income/(Loss) from Assoc.	(12)	(30)			
Non-Operating Income/(Expense)	61,054	37,924	43,836	52,864	61,191
Profit Before Tax (pre-EI)	240,713	180,092	199,314	266,314	273,791
Exceptional Items					
Pre-tax Profit	240,713	180,092	199,314	266,314	273,791
Taxation	(73,710)	(53,071)	(58,725)	(78,466)	(80,669)
Exceptional Income - post-tax					
Profit After Tax	167,003	127,022	140,589	187,848	193,122
Minority Interests					
Preferred Dividends					
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	167,003	127,022	140,589	187,848	193,122
Recurring Net Profit	167,003	127,022	140,589	187,848	193,122
Fully Diluted Recurring Net Profit	167,003	127,022	140,589	187,848	193,122

Cash Flow					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
EBITDA	219,209	185,734	205,079	269,629	275,397
Cash Flow from Invt. & Assoc.					
Change In Working Capital	(123,268)	(56,552)	70,081	33,667	9,547
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense	(52,589)	(20,096)	(58,355)	(47,980)	(60,960)
Other Operating Cashflow	122,606	59,589	122,055	141,477	155,995
Net Interest (Paid)/Received	(5,029)	(6,447)	(6,447)	(6,739)	(6,739)
Tax Paid	(119,463)	(56,630)	(58,725)	(78,466)	(80,669)
Cashflow From Operations	41,465	105,599	273,687	311,588	292,570
Capex	(56,445)	(108,525)	(85,079)	(100,000)	(100,000)
Disposals Of FAs/subsidiaries					
Acq. Of Subsidiaries/investments	24,871	86,578	39,774		
Other Investing Cashflow	34,898	25,335	33,340	40,743	48,392
Cash Flow From Investing	3,324	3,389	(11,966)	(59,257)	(51,608
Debt Raised/(repaid)	22,776	(5,508)	5,585		
Proceeds From Issue Of Shares					
Shares Repurchased					
Dividends Paid	(96,760)	(77,064)	(77,034)	(77,034)	(77,034
Preferred Dividends					
Other Financing Cashflow	4,482	(1,982)	(6,447)	(6,739)	(6,739)
Cash Flow From Financing	(69,502)	(84,554)	(77,896)	(83,774)	(83,774
Total Cash Generated	(24,712)	24,433	183,825	168,557	157,189
Free Cashflow To Equity	67,565	103,479	267,306	252,331	240,962
Free Cashflow To Firm	49,819	115,434	268,169	259,070	247,702





### BY THE NUMBERS...cont'd

Balance Sheet					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Cash And Equivalents	285,465	209,429	357,925	526,483	683,671
Total Debtors	144,082	196,231	140,455	150,148	160,159
Inventories	66,189	89,475	70,228	73,405	78,300
Total Other Current Assets	339,385	352,114	339,869	342,066	342,970
Total Current Assets	835,122	847,249	908,478	1,092,102	1,265,100
Fixed Assets	451,119	528,951	570,876	621,436	665,379
Total Investments	18,732	23,176	18,732	18,732	18,732
Intangible Assets					
Total Other Non-Current Assets	195,243	218,421	217,857	229,614	238,731
Total Non-current Assets	665,094	770,548	807,464	869,782	922,841
Short-term Debt	44,326	31,872	44,326	44,326	44,326
Current Portion of Long-Term Debt					
Total Creditors	101,076	76,376	94,680	112,460	119,958
Other Current Liabilities	339,157	408,180	372,690	403,644	421,502
Total Current Liabilities	484,559	516,429	511,697	560,430	585,786
Total Long-term Debt	20,012	26,881	20,012	20,012	20,012
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	67,869	73,117	67,869	67,869	67,869
Total Non-current Liabilities	87,880	99,998	87,880	87,880	87,880
Total Provisions	602,266	631,786	683,226	769,620	854,233
Total Liabilities	1,174,705	1,248,213	1,282,803	1,417,931	1,527,900
Shareholders Equity	321,569	365,174	428,728	539,542	655,630
Minority Interests	3,941	4,411	4,411	4,411	4,411
Total Equity	325,510	369,584	433,139	543,953	660,041

Key Ratios					
	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Revenue Growth	(3.5%)	(6.3%)	13.9%	18.8%	6.7%
Operating EBITDA Growth	(12.3%)	(15.3%)	10.4%	31.5%	2.1%
Operating EBITDA Margin	22.8%	20.6%	20.0%	22.1%	21.2%
Net Cash Per Share (Rs)	35.88	24.45	47.64	74.99	100.50
BVPS (Rs)	52.18	59.26	69.57	87.55	106.39
Gross Interest Cover	36.73	23.06	25.12	32.67	32.55
Effective Tax Rate	30.6%	29.5%	29.5%	29.5%	29.5%
Net Dividend Payout Ratio	57.9%	60.6%	54.8%	41.0%	39.9%
Accounts Receivables Days	37.81	68.99	59.93	43.55	43.59
Inventory Days	366.07	514.98	364.61	303.21	296.12
Accounts Payables Days	585.74	587.06	390.54	437.28	453.67
ROIC (%)					
ROCE (%)	54.3%	36.3%	35.0%	39.8%	32.9%
Return On Average Assets	12.0%	8.4%	8.7%	10.5%	9.5%



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Corporate Governance Report of Thai Listed Companies (CGR). CG Rating by the Thai Institute of Directors Association (Thai IOD) in 2020, Anti-Corruption 2020

ADVANC - Excellent, Certified, AMATA - Excellent, Certified, ANAN - Excellent, n/a, AOT - Excellent, n/a, AP - Excellent, Certified, ASP - Excellent, n/a, AU - Good, n/a, BAM - Very Good, Certified, BAY - Excellent, Certified, BBL - Very Good, Certified, BCH - Good, Certified, BCP - Excellent, Certified, BCPG - Excellent, Certified, BDMS - Excellent, n/a, BEAUTY - Good, n/a, BH - Good, n/a, BJC - Very Good, n/a, BLA - Excellent, 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 - Very Good, Certified, CPALL - Excellent, Certified, CPF - Excellent, Certified, CPN - Excellent, Certified, CPNREIT – n/a, n/a, CRC – Very Good, n/a, DELTA - Excellent, Certified, DDD – Very Good, n/a, DIF – n/a, n/a, DOHOME – Very Good, n/a, 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 - Very Good, n/a, HANA - Excellent, Certified, HMPRO - Excellent, Certified, HUMAN - Good, n/a, ICHI - Excellent, Certified, III - Excellent, n/a, INTUCH - Excellent, Certified, IRPC - Excellent, Certified, ITD - Very Good, n/a, IVL - Excellent, Certified, JASIF - n/a, n/a, JKN - Excellent, Declared, JMT - Very Good, Declared, KBANK - Excellent, Certified, KCE - Excellent, Certified, KEX - n/a, n/a, 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 - n/a, n/a, OR - n/a, n/a, ORI - Excellent, Certified, OSP - Very Good, n/a, PLANB - Excellent, Certified, PRINC - Very Good, Certified, PR9 - Excellent, n/a, PSH - Excellent, Certified, PTT - Excellent, Certified, PTTEP - Excellent, Certified, PTTGC - Excellent, Certified, QH - Excellent, Certified, RBF - Good, n/a, RS - Excellent, n/a, RSP - Good, n/a, S -Excellent, n/a, SAK - n/a, n/a, SAPPE - Very Good, Certified, SAWAD - Very Good, n/a, SCB - Excellent, Certified, SCC - Excellent, Certified, SCGP - n/a, n/a, SHR - Very Good, n/a, SIRI - Excellent, Certified, SPA - Very Good, n/a, SPALI - Excellent, Declared, SPRC - Excellent, Certified, SSP -Good, Declared, STEC - n/a, n/a, SVI - Excellent, Certified, SYNEX - Very Good, n/a, TCAP - Excellent, Certified, THANI - Excellent, Certified, TIDLOR - n/a, n/a TISCO - Excellent, Certified, TKN - Very Good, n/a, TMB - Excellent, Certified, TOP - Excellent, Certified, TRUE - 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 2020 from Thai Institute of Directors Association (IOD)
- Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of January 30, 2021) are categorised into: companies that have declared their intention to join CAC, and companies certified by CAC.

Recommendation Fi	ramework			
Stock Ratings	Definition:			
Add	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.			
Reduce	The stock's total return is expected to fall below 0% or more over the next 12 months.			
	turn 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 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.			
Country Ratings	Definition:			
Overweight	An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.			
Neutral	A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.			
Underweight	An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.			