



#### India

#### REDUCE (no change)

Sell 3 Consensus ratings\*: Buy 24 Hold 5 Current price: Rs103 Target price: Rs70 Previous target: Rs71 Up/downside: -32.0% InCred Research / Consensus: -45.1% TISC.NS Reuters: TATA IN Bloombera: Market cap: US\$15.242m Rs1,252,730m US\$67.3m Average daily turnover: Rs5532.6m Current shares o/s: 12,223.5m Free float: 66.9% \*Source: Bloomberg



Price performance	1M	ЗМ	12M
Absolute (%)	(1.4)	(8.3)	(23.2)
Relative (%)	0.9	(2.7)	(22.8)

Major shareholders	% held
Promoter & Promoter Group	33.1
LIC India	9.0
HDFC Trustee Company	4.6



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### **Tata Steel**

### It's never different - Europe pain to intensify

- We expect a global shortage of coking coal due to sub-par investment in Australia. Europe must rely on blast furnaces (BFs) as electric arc furnaces are unviable (even on gross profit or GP) due to higher scrap and electricity prices. On the other hand, BFs will make at least +ve gross profit in Europe.
- Pollution fears are forcing China to become a voracious user of scrap, leading
  to scarcity of old scrap (comes from scrapping of old steel items). Scrap prices
  are rising, which is a further negative for European steel-makers. Thus,
  production will shift to BFs, leading to higher coking coal prices.
- European power prices will rise again, which will make the production shift to BFs even more pronounced. An oversupplied steel market, rising costs and slowing demand is a recipe to buy steel names at 0.5x book value. Tata Steel is away from that. Its balance sheet will deteriorate (contrary to consensus estimate). We retain our high conviction REDUCE rating on Tata Steel.

#### Cost pressure to continue for Tata Steel

Tata Steel follows a typical cycle - stock price rallies and then people get bullish on Europe, but Europe doesn't go anywhere, and India business disappoints. The same cycle will repeat this time around as well. While energy prices have fallen in Europe, however in steel production, due to high scrap prices, electric arc furnaces or EAFs won't make money even at contribution margin level. The situation will be far worse in the coming weeks as natural gas in storage will fall below last year's level by week 21-25, leading to a rise in energy prices in Europe. China's voracious appetite for scrap is leading to the shortage of old metal scrap, which is adding to EAFs' woes. Please note that Europe is primarily an EAF steel-maker and hence, as it shifts to BFs, coking coal prices skyrocket (because of supply concerns). Rising coking coal prices are bad for even India business of Tata Steel. Needless to say, steel is oversupplied and steel-makers lack pricing power. At the same time, demand is weakening, and costs are rising, which is a recipe for collapse in margins and deterioration of balance sheet.

#### Balance sheet to deteriorate and capex to get delayed

We have shown in this report that deleveraging in FY22 was artificial as there was an enormous rise in current liabilities. The nature of liabilities (as shown in this report) means that they cannot be carried in perpetuity, which also means that working capital will increase in FY23F. At the same time, consensus earnings for FY23F/24F/25F are just based on a great recovery (which hasn't come after 2008). Consensus is all set to be disappointed, both on P&L and balance sheet fronts.

#### Retain REDUCE rating with a target price of Rs70

In the foreseeable future, the steel market is likely to experience sustained downward pressure, resulting in no improvement in steel spreads. We value Tata Steel at 0.7x FY23F book value to arrive at a target price of Rs70. Retain REDUCE rating on it. Upside risk: Big QE by the western world, although it means that they are ready for hyperinflation.

Financial Summary	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Revenue (Rsm)	1,369,768	1,533,084	2,423,269	2,019,889	1,829,799
Operating EBITDA (Rsm)	174,631	304,963	634,900	313,657	250,269
Net Profit (Rsm)	27,196	81,818	417,493	126,352	64,356
Core EPS (Rs)	5.3	7.2	34.2	10.3	5.3
Core EPS Growth	(37.5%)	36.0%	375.8%	(69.8%)	(49.1%)
FD Core P/E (x)	46.07	15.31	3.00	9.92	19.47
DPS (Rs)	4.1	4.1	4.1	4.1	6.5
Dividend Yield	9.76%	24.39%	24.39%	1.95%	1.95%
EV/EBITDA (x)	13.33	6.48	2.82	6.07	7.58
P/FCFE (x)	9.46	28.85	6.86	3.33	11.05
Net Gearing	137.7%	89.0%	43.7%	49.1%	47.0%
P/BV (x)	1.70	1.69	1.09	1.01	0.97
ROE	9.1%	11.9%	44.4%	10.6%	5.1%
% Change In Core EPS Estimates				(0.70%)	(0.87%)
InCred Research/Consensus EPS (x)					

SOURCES: INCRED RESEARCH, COMPANY REPORTS



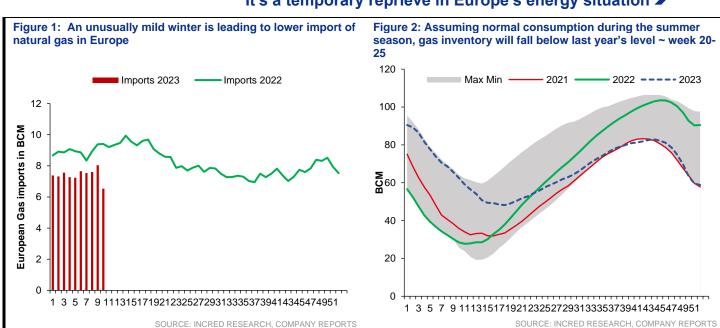
### It's never different - Europe pain to intensify

Tata Steel follows a typical cycle - stock price rallies and then people get bullish on Europe, but Europe doesn't go anywhere, and India business disappoints. The same cycle will repeat this time around as well. While buying Bhushan Steel may look attractive on a replacement cost basis, the balance sheet will become stretched as the working capital cycle will revert to its mean. Coking coal prices will fall only if steel prices collapse. Reiterate REDUCE rating on Tata Steel with a 12-month target price of Rs70.

### **Europe market pain returns**

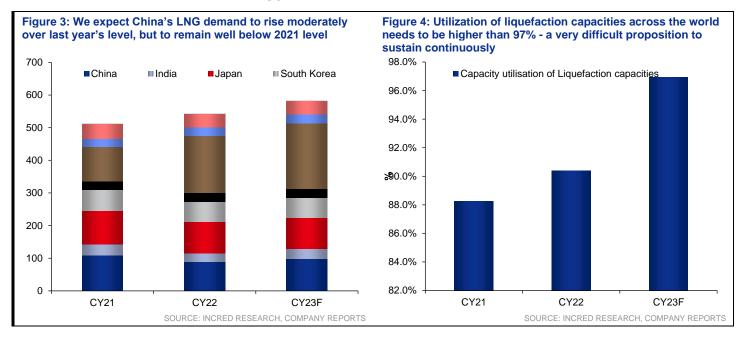
Just like what we had written in Jun 2022, European pain has retuned (<u>IN: Tata Steel - European pain to return (REDUCE - Maintained</u>)) and it will haunt this time much more than earlier. Free money will help consumer discretionary industries, but steel will suffer the most. Higher power cost will return to bite principal industries in Europe like automotive and forging industries (<u>IN: Ind Goods & Services - Europe's energy crisis: +ve for Indian firms</u>). Coking coal prices will not fall and any semblance of steel demand growth will lead to a rapid rise in coking coal prices. Please see our report: <u>IN: Steel - Rise in raw material cost & fall in steel price</u>.

#### It's a temporary reprieve in Europe's energy situation ➤

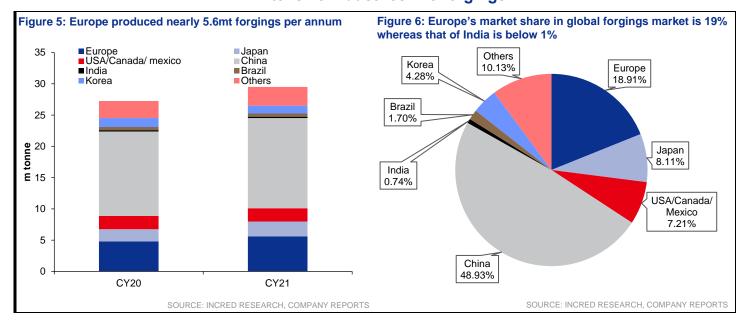




# Please note that LNG global liquefaction capacity is barely matching demand and hence, spot LNG prices are bound to rise >



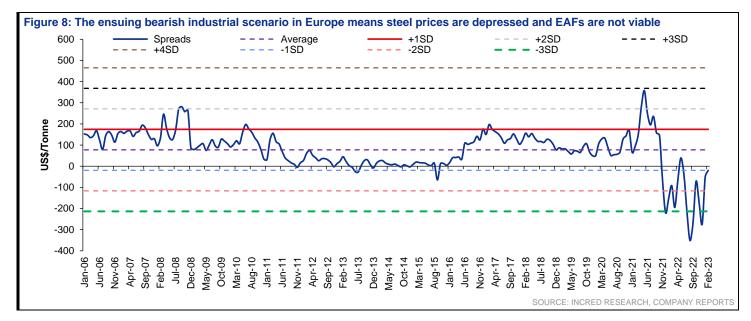
### Energy prices will rise, leading to a slowdown in energy-intensive industries like forgings ➤





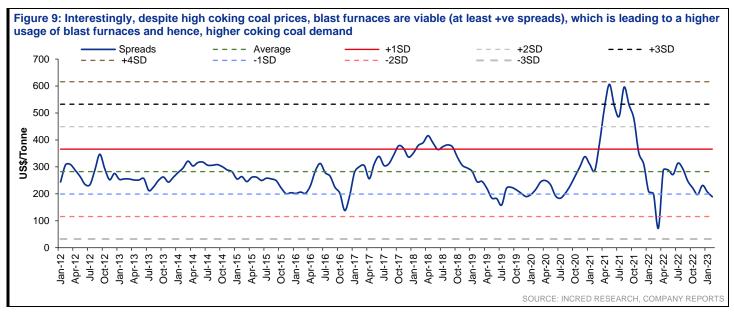
### As of now, even steel-making through the scrap route is not viable, forget forgings ▶





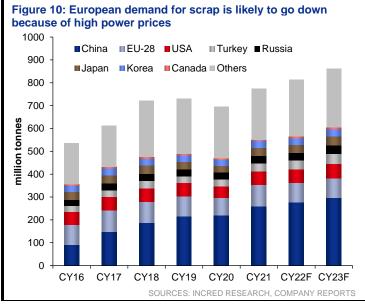


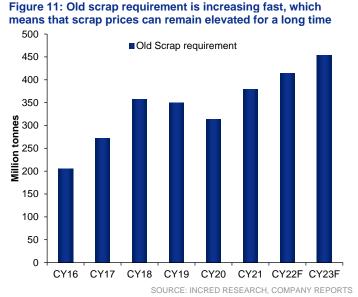
### Interstingly, blast furnaces are viable despite high coking coal prices ➤



#### High scrap prices in Europe can stay for long ▶

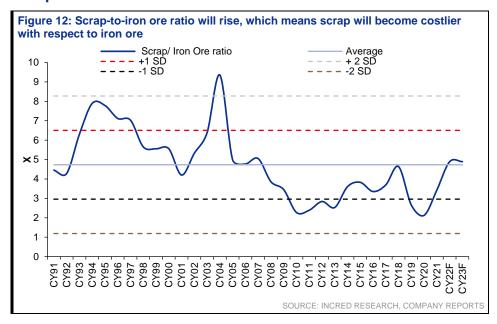
Even if Europe's scrap demand goes down because of high power prices, rising demand from China will keep scrap prices elevated.







#### Scrap-to-iron-ore ratio will rise ➤



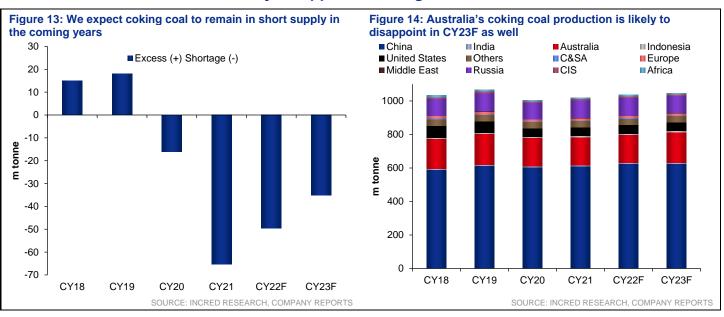
### This will lead to more usage of iron ore and coking coal, but their capacity is limited ➤

While the demand for iron ore and coking coal will rise, there has been little investment in mining over the past few years.

#### Coking coal prices unlikely to come down

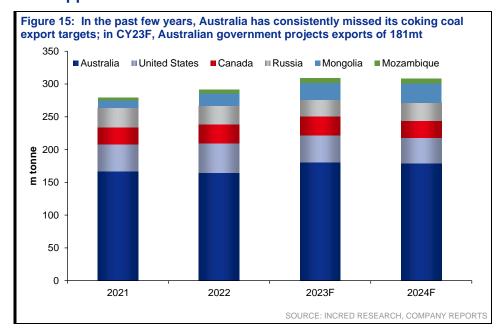
Sub-par investment in coking coal assets in Australia is leading to global shortage of coking coal. While Mongolia has raised its production level, it won't be sufficient to cover the replacement of steel production in Europe through the EAF route with the blast furnace production route and hence, demand for coking coal will rise.

### Coking coal to remain in short supply as Australian production may disappoint once again in CY23F ➤





### Australia is projected to export 181mt of coking coal in CY23F, but it appears to be a tall task ➤



### Europe will have to depend on blast furnaces for its steel production, thereby raising the demand for coking coal ➤

At current steel, scrap, and power prices in Europe, it will be difficult for EAFs to make any operational profit. Naturally, for steel production, European countries will have to depend on blast furnaces, which need coking coal. Hence, although coking coal demand is muted currently, because of cannibalization of steel supply from EAFs to blast furnaces, coking coal demand will increase. Hence, our projection of coking coal deficit may aggravate further, pushing up coking coal prices.



#### Global steel prices to remain under pressure

Global steel prices will remain under pressure for some time and hence, we don't expect any revival in steel spreads.

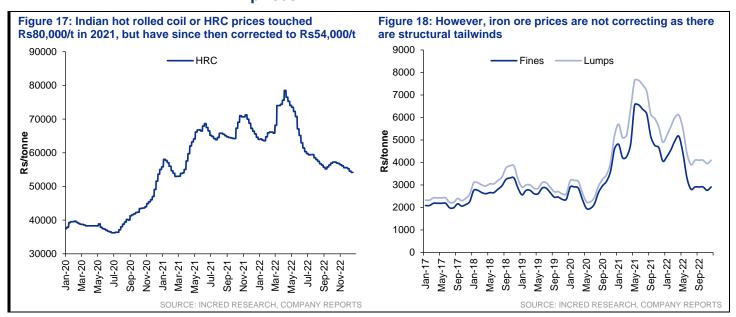
### COVID-19 pandemic led to a decline in global steel trade and hence, steel supply was scarce ➤



Please note that we had pointed out this phenomenon, although without any concrete data (as data is not available in real time) multiple times during 2021. Please see some of our reports detailed below:

- IN: Steel Irrational enthusiasm
- 2. IN: Steel Recent market exuberance close to its end

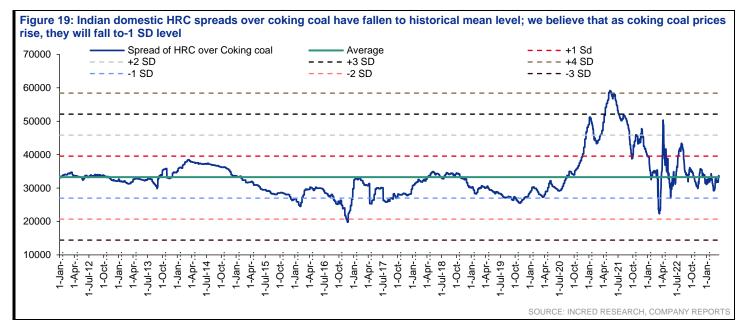
### Normalization of supply chain led to a rapid decline in steel prices ➤



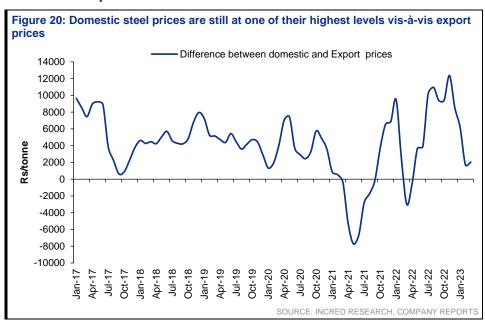
As highlighted earlier, we don't expect coking coal prices to fall in the global market.



### Hence, Indian steel spreads have fallen to their historical mean level ➤

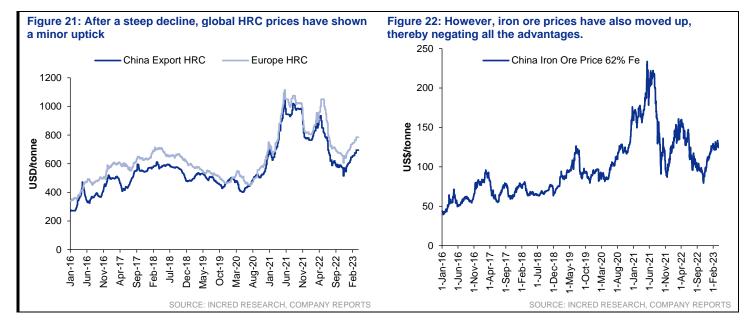


### However, Indian export prices are still at a significant discount to domestic prices ➤





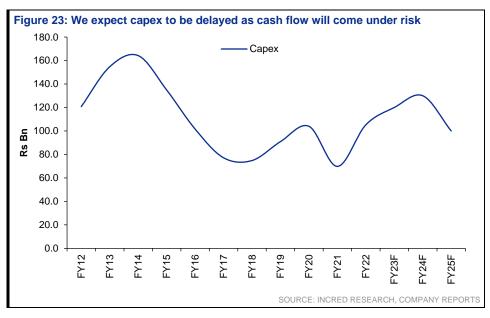
### Global steel prices are showing slight volatility, but no big revival as such ▶



## We expect a delay in capex by Tata Steel, but its debt won't come down

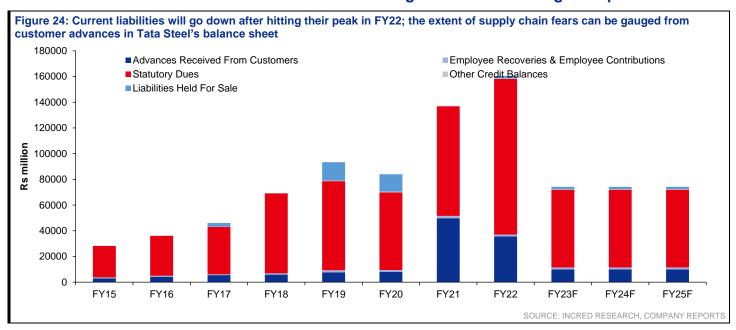
Tata Steel had announced Rs 500-600bn capex over the next four years to expand its steel and iron ore capacity. Please click the link to our report here: (New Paper Link). However, as the cash flow will deteriorate, capex will also taper down. We don't expect a very high capex in the next few years.

### Tata Steel will delay its capex plan as cash flow constraints come to the fore ➤

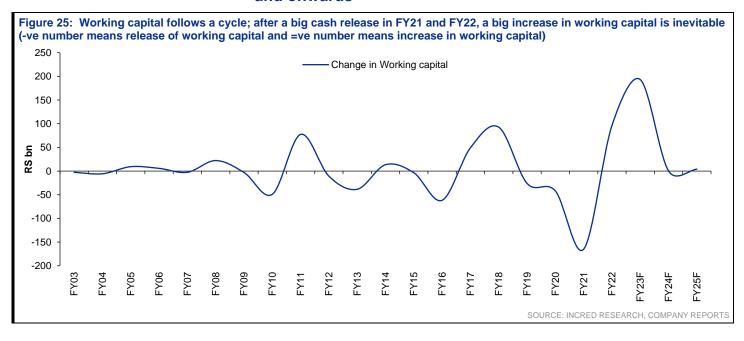




#### Current liabilities to go down after hitting their peak in FY22 >

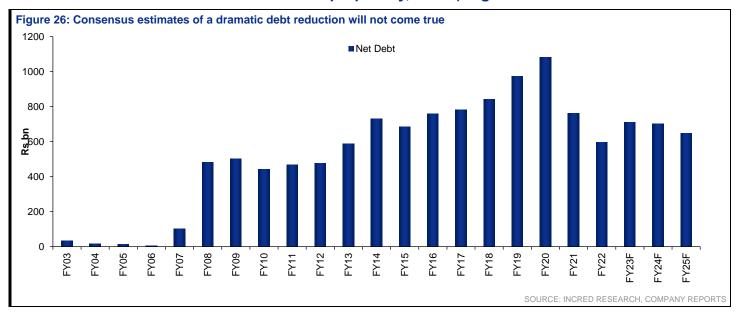


### This will lead to a rise in working capital requirement in FY23F and onwards ➤





Consequently, consensus net debt estimate stands understated on two accounts: 1) assuming working capital release in perpetuity, and 2) high EBITDA estimates

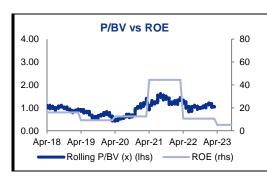


#### Valuation still too high for comfort ➤





#### **BY THE NUMBERS**





(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Net Revenues	1,398,167	1,562,942	2,439,592	2,019,889	1,829,799
Gross Profit	1,398,167	1,562,942	2,439,592	2,019,889	1,829,799
Operating EBITDA	174,631	304,963	634,900	313,657	250,269
Depreciation And Amortisation	(84,407)	(92,336)	(91,009)	(97,253)	(97,482)
Operating EBIT	90,223	212,626	543,891	216,405	152,787
Financial Income/(Expense)	(75,335)	(76,067)	(54,622)	(66,314)	(80,191)
Pretax Income/(Loss) from Assoc.	1,880	3,273	6,492		
Non-Operating Income/(Expense)	18,435	8,956	7,849	7,849	7,849
Profit Before Tax (pre-EI)	35,203	148,789	503,609	157,940	80,445
Exceptional Items	(37,521)	(10,432)	(1,341)		
Pre-tax Profit	(2,317)	138,357	502,269	157,940	80,445
Taxation	25,684	(56,539)	(84,776)	(31,588)	(16,089)
Exceptional Income - post-tax					
Profit After Tax	23,367	81,818	417,493	126,352	64,356
Minority Interests	3,829				
Preferred Dividends					
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	27,196	81,818	417,493	126,352	64,356
Recurring Net Profit	64,716	87,987	418,608	126,352	64,356
Fully Diluted Recurring Net Profit	64,716	87,987	418,608	126,352	64,356

Cash Flow					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
EBITDA	174,631	304,963	634,900	313,657	250,269
Cash Flow from Invt. & Assoc.					
Change In Working Capital	41,962	164,913	(96,177)	(193,296)	(164)
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense	31,705	(21,444)	11,105		1,535
Other Operating Cashflow	8,138	63,859	(170,412)	10,987	55,862
Net Interest (Paid)/Received	(75,807)	(76,067)	(54,622)	(66,314)	(80,191)
Tax Paid	21,059	7,043	119,017	31,588	16,089
Cashflow From Operations	201,687	443,267	443,810	96,623	243,400
Capex	(100,123)	(65,340)	(99,527)	(120,000)	(130,000)
Disposals Of FAs/subsidiaries					
Acq. Of Subsidiaries/investments					
Other Investing Cashflow	(45,181)	(27,889)	(9,285)		
Cash Flow From Investing	(145,304)	(93,229)	(108,812)	(120,000)	(130,000)
Debt Raised/(repaid)	76,073	(306,606)	(152,307)	400,000	
Proceeds From Issue Of Shares	1,875	32,390	3,257	12	
Shares Repurchased					
Dividends Paid	(18,152)	(11,505)	(30,201)	(24,446)	(24,446)
Preferred Dividends					
Other Financing Cashflow	(76,742)	(85,175)	(54,760)	(66,314)	(80,191)
Cash Flow From Financing	(16,946)	(370,897)	(234,011)	309,252	(104,637)
Total Cash Generated	39,438	(20,859)	100,987	285,874	8,762
Free Cashflow To Equity	132,457	43,432	182,690	376,623	113,400
Free Cashflow To Firm	132,191	426,105	389,620	42,937	193,591

SOURCES: INCRED RESEARCH, COMPANY REPORTS



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

Balance Sheet					
(Rs mn)	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Total Cash And Equivalents	114,866	130,011	244,234	530,108	538,870
Total Debtors	78,849	95,398	122,464	182,620	175,460
Inventories	310,687	332,764	488,244	427,884	409,170
Total Other Current Assets	82,925	43,946	70,624	70,624	70,624
Total Current Assets	587,327	602,119	925,566	1,211,237	1,194,125
Fixed Assets	1,499,930	1,453,912	1,510,222	1,532,969	1,565,487
Total Investments	28,533	34,630	58,254	58,254	58,254
Intangible Assets	40,545	43,447	43,112	43,112	43,112
Total Other Non-Current Assets	347,859	270,297	317,302	317,302	317,302
Total Non-current Assets	1,916,867	1,802,287	1,928,890	1,951,637	1,984,155
Short-term Debt	191,845	94,921	251,008	451,008	451,008
Current Portion of Long-Term Debt					
Total Creditors	213,809	259,675	367,649	276,697	250,657
Other Current Liabilities	180,568	354,075	287,223	184,675	184,676
Total Current Liabilities	586,222	708,671	905,880	912,381	886,342
Total Long-term Debt	971,437	724,802	504,709	704,709	704,709
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	13,960	106,981	101,365	101,365	101,365
Total Non-current Liabilities	985,398	831,783	606,074	806,074	806,074
Total Provisions	170,946	139,333	171,518	171,518	173,052
Total Liabilities	1,742,566	1,679,788	1,683,471	1,889,972	1,865,468
Shareholders Equity	735,763	742,388	1,144,430	1,246,348	1,286,258
Minority Interests	25,866	32,697	26,554	26,554	26,554
Total Equity	761,629	775,085	1,170,985	1,272,902	1,312,812

Key Ratios					
	Mar-20A	Mar-21A	Mar-22F	Mar-23F	Mar-24F
Revenue Growth	(11.5%)	11.9%	58.1%	(16.6%)	(9.4%)
Operating EBITDA Growth	(40.6%)	74.6%	108.2%	(50.6%)	(20.2%)
Operating EBITDA Margin	12.7%	19.9%	26.2%	15.5%	13.7%
Net Cash Per Share (Rs)	(85.77)	(56.43)	(41.85)	(51.18)	(50.47)
BVPS (Rs)	60.19	60.74	93.63	101.97	105.23
Gross Interest Cover	1.20	2.80	9.96	3.26	1.91
Effective Tax Rate		40.9%	16.9%	20.0%	20.0%
Net Dividend Payout Ratio	188.9%	331.2%	73.0%	19.3%	38.0%
Accounts Receivables Days	25.71	20.35	16.30	27.56	35.71
Inventory Days	nm	nm	nm	nm	nm
Accounts Payables Days	nm	nm	nm	nm	nm
ROIC (%)	(23.5%)	7.6%	23.8%	8.2%	5.7%
ROCE (%)	4.7%	11.5%	29.1%	9.4%	5.9%
Return On Average Assets	(13.4%)	5.6%	17.7%	6.0%	4.1%

SOURCES: INCRED RESEARCH, COMPANY REPORTS



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been engaged in market making activity for the subject company	NO	NO

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