JSW Steel

Estimate change	1
TP change	1
	4

Rating change

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FINANCIAL SERVICES

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Bloomberg	JSTL IN
Equity Shares (m)	2417
M.Cap.(INRb)/(USDb)	1900.1 / 23.2
52-Week Range (INR)	823 / 573
1, 6, 12 Rel. Per (%)	-1/-3/15
12M Avg Val (INR M)	1763

Financials & Valuations (INR b)

Y/E MARCH	2023	2024E	2025E					
Sales	1,660	1,791	2,025					
EBITDA	185	303	398					
Adj. PAT	36	114	176					
EBITDA Margin (%)	11	17	20					
Cons. Adj. EPS (INR)	15	47	73					
EPS Gr. (%)	-83	219	55					
BV/Sh. (INR)	272	309	368					
Ratios								
Net D:E	0.9	0.8	0.7					
RoE (%)	5.3	16.2	21.5					
RoCE (%)	5.3	9.9	12.4					
Payout (%)	23.1	20.0	20.0					
Valuations								
P/E (x)	53.5	16.7	10.8					
P/BV (x)	2.9	2.5	2.1					
EV/EBITDA(x)	13.4	8.3	6.3					
Div. Yield (%)	0.4	1.2	1.9					
FCF Yield (%)	4.6	3.8	5.9					

Shareholding pattern (%)

As On	Jun-23	Mar-23	Jun-22
Promoter	45.4	45.4	45.0
DII	25.1	25.0	9.6
FII	11.5	11.5	11.3
Others	18.0	18.1	34.1

FII Includes depository receipts

CMP: INR786 TP: INR730 (-7%) Neutral

EBITDA beats estimates; capacity expansion on track

Consolidated performance

- JSTL posted revenue of INR422b in 1QFY24 (up 11% YoY), 6% above our estimate of INR397b. ASP stood at INR73,928/t (higher than our estimate of INR71,327/t).
- EBITDA stood at INR70b (up 64% YoY), 43% above our estimate of INR49b. EBITDA was supported by better performance of its Ohio and European subsidiaries, better realizations in export markets, and lower input costs. EBITDA/t stood at INR12,340/t vs. our estimate of INR8,715/t.
- APAT jumped 179% YoY to INR23b, aided by better operating performance and lower depreciation, offset by higher-than-expected tax outgo.
- Combined crude steel production (incl. JISPL) stood at 6.4mt (+12% YoY/-2% QoQ). Sales volumes came in at 5.7mt (+27% YoY/-13% QoQ). Due to some scheduled shutdowns at Indian operations during the quarter, the average capacity utilization was 92% (96% in 4Q FY23).
- Steel sales were affected by channel destocking. Exports were hit by delayed loading due to a cyclone on the western coast of India at 1Q end.
- Net debt stood at INR672b, with a net debt-to-EBITDA ratio of 3.14x (down from 3.2x in 4QFY23).

Standalone performance

- Revenue grew 5% YoY INR328b, in line with our estimate of INR319b.
 EBITDA grew 45% YoY to INR49b and APAT stood at INR17b (up 78% YoY).
- Crude steel production grew 9% YoY to 5.4mt and sales volumes rose 22% YoY to 4.9mt.

Highlights from management commentary

- In 1QFY24, the coking coal cost was up by USD11/t at USD285/t; however, JSTL was able to mitigate the cost increase to some extent by utilizing a better coal blend.
- The coking coal cost is expected to be down by USD45-50/t in 2QFY24.
- JSTL in 1QFY24 spent INR41b as capex and has earmarked INR188b for FY24 and INR185b for FY25.
- Due to channel destocking and climate disruption in 1QFY24, JSTL had inventory built up of 338kt, which is expected to be sold in 2QFY24.
- The company plans capex across its facilities to enhance VAP volume.
- The management has retained its FY4E guidance at 25mt sales.

JSTL on track to enhance its domestic capacity

- JSTL has undertaken a multi-phase expansion, which will enhance the domestic capacity to 31mt by FY25 and to 50mt by FY31.
- The near-term capacity expansion will be driven by brownfield expansion at Vijayanagar, BPSL and JISPL.
- It is also undertaking a greenfield EAF capex at Kadapa (Andhra Pradesh) and is in an advanced stage to finalize a 13mt greenfield expansion in Odisha, which will be over and above the ongoing capex.

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Valuation and view

- Volumes are expected to be aided by a pickup in domestic demand and a higher share of VAP. The coking coal cost has moderated and its benefits are expected to accrue in 2QFY24.
- We expect incremental volume to flow in when the Vijayanagar and BPSL facilities come on stream by the end of FY24.
- The merger of National Steel and Agro, Vallabh Tinplate and Vardhaman Industries has further enhanced the company's VAP portfolio.
- Considering a pickup in demand, an increasing share of VAP and cost reductions expected in 2QFY24, we raise our FY24 revenue/EBITDA/APAT estimates by 7%/14%/34%. We largely retain our estimates for FY25.
- We believe the current valuations at 6.3x FY25E EV/EBITDA and 2.1x FY25E P/B fully price in the positive factors. We reiterate our Neutral rating on the stock with a revised TP of INR730 (INR710 earlier).

Quarterly Performance (INR b)

Y/E March		FY	23			FY2	FY24E FY23			FY24E	FY24E	vs Est
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	(%)
Sales (kt)	4,490	5,740	5,710	6,530	5,710	6,074	6,581	6,521	22,470	24,885		
Change (YoY %)	29.4	49.9	46.0	27.3	27.2	5.8	15.2	-0.1	37.5	10.7		
Net Sales	381	418	391	470	422	416	469	484	1,660	1,791	397	6.4
Change (YoY %)	31.8	28.5	2.8	0.1	10.8	-0.5	19.9	3.0	13.4	7.9		
Change (QoQ %)	-18.8	9.7	-6.3	20.0	-10.1	-1.5	12.8	3.1				
EBITDA	43	18	45	79	70	75	76	81	185	303	49	43.8
Change (YoY %)	-58.1	-83.2	-50.2	-13.6	63.5	330.4	66.7	2.3	-52.5	63.3		
Change (QoQ %)	-53.1	-59.3	159.5	74.6	-11.2	7.0	0.5	7.1				
EBITDA (INR per ton)	9,597	3,052	7,963	12,158	12,340	12,415	11,519	12,453	8,254	12,171	8,715	41.6
Interest	14	15	18	21	20	20	20	21	69	81	20	
Depreciation	18	18	19	20	19	20	20	20	75	80	21	
Other Income	2	2	2	5	3	3	3	3	10	13	3	
PBT (before EO Item)	13	-14	10	43	35	38	39	43	52	156	11	
EO Items	0	6	0	0	0	0	0	0	6	0		
PBT (after EO Item)	13	-8	10	43	35	38	39	43	58	156	11	
Total Tax	4	1	5	5	11	10	10	11	15	41		
% Tax	34.1	NA	48.7	11.9	29.9	25.2	25.2	25.2	26.2	26.3		
Reported PAT	8	-8	5	37	23	29	29	32	41	114	8	192.3
MI (Profit)/Loss	0.0	0.7	0.2	-0.8	-0.9	0.0	0.0	0.0	0.1	-0.9		
Share of P/(L) of Ass.	-0.2	-0.6	-0.6	-0.1	-0.3	0.0	0.0	0.0	-1.4	-0.3		
Adjusted PAT	8	-14	5	37	23	29	29	32	36	114	8	192.3
Change (YoY %)	-85.8	PL	-88.8	-7.8	179.0	LP	491.6	-11.4	-83.4	219.5		
Change (QoQ %)	-78.9	PL	LP	647.8	-36.2	22.7	1.0	12.0				

Source: Company, MOFSL



Highlights from the management interaction

Guidance

- In 1QFY24, the coking coal cost was up by USD11/t QoQ for JSTL and the company expects the cost to reduce by USD45-50/t in 2QFY24.
- Coking coal prices have corrected sharply from their high in Feb'23 and its benefits are expected to accrue from 2QFY24.
- Iron ore prices have not corrected much and JSTL expects them to decline in the coming quarters and remain range-bound going forward.
- FY24 sales target stands unchanged at 25mt.
- JSTL has around 338kt of inventory due to channel destocking and climate disruption in western India. The channel destocking is almost completed, which will help to offload the inventory in 2QFY24.
- 2QFY24 performance is expected to be better than 1QFY24 as global sentiments have been improving for the last few weeks.
- JSTL believes the steel prices bottomed out in 1QFY24 and expects improvement in the prices from 2QFY24 onward.
- 2QFY24 is likely to see higher sales volumes vs. 1Q FY24.

Capex and capacity enhancement

- Capex stood at INR41b in 1QFY24 and JSTL has earmarked a capex of ~INR188b for FY24 and INR185b for FY25.
- The near-term capex will be driven by a brownfield expansion at Vijayanagar, BPSL and JISPL. JSTL is also undertaking greenfield EAF capex at Kadapa (Andhra Pradesh) and is at an advanced stage to finalize a 13mt greenfield expansion in Odisha, which will be over and above the ongoing capex.
- The Vijayanagar and BPSL brownfield expansions are on track to be completed in FY24.
- JSTL will commence phased commissioning by 4QFY24 and its full benefits will accrue from FY25-26.
- The 0.25mt color-coated line at Rajpura (Punjab) is completed, which has enhanced the VAP portfolio for the company.

Mergers and acquisitions

- The JSPL and JSTL merger has been approved by NCLT and is expected to be concluded by 2QFY24.
- The company concluded the merger of National Steel and Agro, which will further strengthen JSTL's downstream capacity by around 330kt (flat steel galvanized products).
- JSTL completed the merger of Vallabh Tinplate and Vardhaman Industries with JSW Coated products, thereby consolidating the downstream color-coated portfolio into a single company.

Coal and iron ore block

- JSTL focuses on raw material security and is currently enhancing its captive iron ore and coking coal linkages.
- JSTL recently won six iron ore blocks in Maharashtra, Goa and Karnataka (2 blocks in each state).

- The Maharashtra and Goa blocks are progressing well and should be operational soon; however, JSTL is currently undertaking exploration in Karnataka and the exact date of commencement will be updated in coming quarters.
- JSTL has also recently won two coal blocks with a total PRC of 1mt, which will help JSTL meet around 5-7% of its clean coking coal requirement.
- The company is scouting for more iron ore and coal blocks in India and outside India and will acquire financially viable assets in future.

Capacity and Utilization

- After the ongoing capex, the capacity would increase to 37mt by FY25 and 50mt by FY31.
- In 1QFY24, JSTL operated at capacity utilization of 92% and achieved 100% of its quarterly production target.

Macro scenario:

- Global sentiments seem to be improving due to lower inflationary pressure, reduction in energy prices and lower input costs.
- Steel demand in the domestic market is expected to grow over 10%, while production is expected to grow 8-9% in FY24 to reach 130mt.
- Higher investment by the private and public sectors, higher spending on infrastructure, easing inflation, realignment of supply chain, higher automobile demand and higher manufacturing capex should drive steel demand in India.
- Higher private sector demand, low inventory at vendors/traders and lower coking coal and input costs should further drive the margins in 2QFY24.

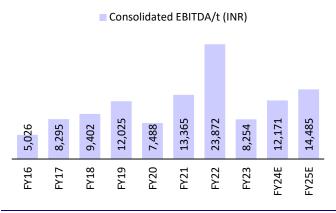
Story in charts

Exhibit 1: Sales volume expected to grow ~11% YoY in FY24



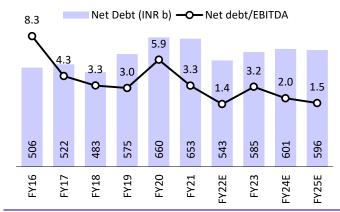
Source: Company, MOFSL

Exhibit 3: Higher volumes, ASP, and lower input costs to support EBITDA in FY24



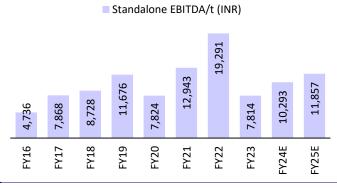
Source: Company, MOFSL

Exhibit 5: JSTL is expected to continuously deleverage



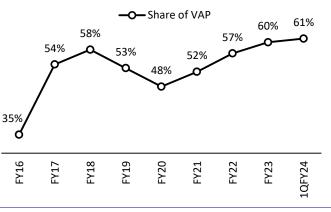
Source: Company, MOFSL

Exhibit 2: Standalone EBITDA/t expected to improve in FY24



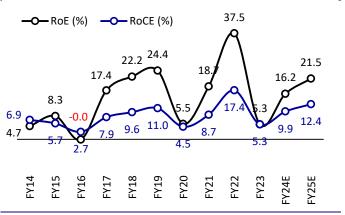
Source: Company, MOFSL

Exhibit 4: Share of VAP has been increasing and is expected to be in the range of 55-60% going forward



Source: Company, MOFSL

Exhibit 6: Return ratios expected to recover in FY24E



Source: Company, MOFSL

Exhibit 7: Consolidated EBITDA/t recovered in 1QFY24 Exhibit 8: Standalone EBITDA/t remained range-bound Volumes (kt) EBITDA (INR/T) Volumes (Kt) ■ EBITDA per ton (INR) 29,608 27,198 23,355 26,291 20,788 17,903 22.884 15,053 5,710,340 19,756 12.158 4,010 16,950 4,490 9,597 5,710 7,963 5,130 5,740 6,530 3,950 3,910 5,110 13,517 4,060 3,830 3,470 ,052 3,610 <mark>3,</mark>790 4,060 800 3,900 8,315 8,315 2QFY21 1QFY22 2QFY22 3QFY21 2QFY22 2QFY23 3QFY23 4QFY23 LQFY21 4QFY21 3QFY22 4QFY22 1QFY23 4QFY21 **1QFY22 3QFY22** 4QFY22 1QFY23 .QFY24 3QFY21

Source: Company, MOFSL

Exhibit 9: Changes in key assumptions and our estimates

Particulars		FY24E		FY25E			
	New	Old	% Change	New	Old	% Change	
Volumes - mt	21.9	21.1	3.7	24.3	23.1	5.3	
Realisation - INR/t	64,397	63,420	1.5	66,700	67,129	-0.6	
EBITDA - INR/t	10,293	9,773	5.3	11,857	12,605	-5.9	
Consolidated (INR b)							
Revenue	1,791	1,676	6.9	2,025	1,867	8.5	
EBITDA	303	266	14.0	398	398	-0.1	
Adj PAT	114	85	34.1	176	173	1.6	

Source: MOFSL

2QFY23 **3QFY23** 4QFY23 IQFY24

Source: Company, MOFSL



Y/E March	FY25E
Consolidated sales volume (mt)	27.4
EBITDA/t (INR)	14,485
Consolidated EBITDA (INR b)	398
Target EV/EBITDA (x)	6.0
Target EV (INR b)	2,366
Less: Net debt (INR b)	596
Equity value (INR b)	1,770
No. of shares (b)	2.4
Target price (INR/share)	730
	Source: MOFSL

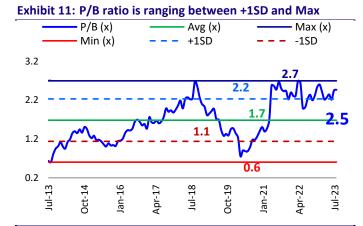
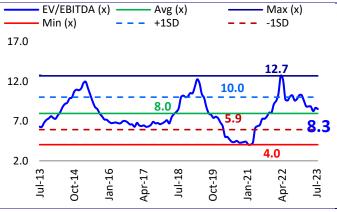


Exhibit 12: EV/EBITDA is around Avg.



Source: Company, MOFSL

Source: Company, MOFSL

Exhibit 13: Global comparable valuation (FY22 – FY24)

	M-Cap		P/E (x)		EV	EV/EBITDA (x)			P/B (x)		RoE (%)		
Company	USD mn	CY21/	CY22/	CY23/	CY21/	CY22/	CY23/	CY21/	CY22/	CY23/	CY21/	CY22/	CY23/
company	050 1111	FY22	FY23	FY24	FY22	FY23	FY24	FY22	FY23	FY24	FY22	FY23	FY24
India													
Tata*	17,418	3.5	16.5	12.1	3.0	6.5	7.0	1.3	1.5	1.4	44.6	8.3	11.7
JSW*	23,537	8.9	53.5	16.7	6.3	13.4	8.3	2.8	2.9	2.5	37.5	5.3	16.2
JSP*	7,923	7.3	17.2	13.1	4.7	7.0	6.2	1.8	1.6	1.5	25.9	9.9	11.8
SAIL*	4,525	3.0	18.6	9.5	2.5	8.4	5.7	0.7	0.7	0.6	25.1	3.7	7.0
Japan													
JFE	9,296	4.5	8.2	7.0	5.4	6.8	6.0	0.6	0.6	0.5	15.5	7.4	8.5
Nippon Steel	20,834	5.5	4.4	7.6	5.6	5.0	5.7	0.9	0.7	0.6	18.1	17.3	9.1
Kobe Steel	3,936	9.8	8.8	6.3	6.8	7.2	5.1	0.7	0.6	0.6	7.2	7.5	9.4
Korea													
POSCO	33,322	9.8	13.3	10.7	5.6	6.5	5.7	0.8	0.7	0.7	8.3	5.9	6.9
Hyundai Steel	3,457	3.2	5.1	4.4	3.9	4.5	3.8	0.2	0.2	0.2	7.6	4.5	5.1
US													
Nucor	41,708	5.8	9.9	14.8	3.9	5.9	8.2	2.2	1.9	1.8	43.5	21.7	12.2
US Steel	5,587	2.6	6.3	12.9	1.6	3.4	4.9	0.6	0.5	0.5	26.2	10.1	5.0
Steel Dynamics	17,270	4.7	6.5	11.8	3.2	4.5	7.2	2.3	1.8	1.6	51.9	29.7	14.4
Europe													
AM	23,929	2.7	6.0	5.9	2.1	3.9	3.9	0.5	0.4	0.4	18.8	7.7	7.1
ТКА	7,348	3.5	6.2	10.2	1.9	3.1	4.5	0.8	1.1	1.1	26.0	18.3	10.9
VOE	5,072	4.8	22.7	8.7	0.6	0.7	0.7	0.4	0.3	0.3	8.4	1.2	3.6
China	5,927	5.0	5.3	8.1	3.6	3.0	3.9	0.8	0.7	0.7	16.7	13.7	8.3
Baosteel													

Source: MOFSL, Company, Bloomberg. (*) denotes MOFSL estimates

Financials and valuations

Income statement (consolidat	ted)								(INR b)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Net sales	556.0	701	848	726	796	1,464	1,660	1,791	2,025
Change (%)	32.8	26.0	20.9	-14.3	9.6	83.9	13.4	7.9	13.1
Total Expenses	433.4	554	658	615	596	1,074	1,474	1,488	1,628
EBITDA	122.6	147	190	112	200	390	185	303	398
% of Net Sales	22.0	21.0	22.4	15.4	25.1	26.6	11.2	16.9	19.6
Depn. & Amortization	35.2	34	40	42	47	60	75	80	92
EBIT	87.4	113	149	69	153	330	111	223	305
Net Interest	37.7	37	39	43	40	50	69	81	83
Other income	1.5	2	2	5	6	15	10	13	13
PBT before EO	51.3	78	112	32	119	296	52	156	235
EO income		6		21	1	-7			
PBT after EO	51.3	83	112	53	120	288	58	156	235
Тах	16.7	23	36	12	41	88	15	41	58
Rate (%)	32.6	27.2	32.5	23.7	34.5	30.6	26.2	26.3	24.6
Reported PAT	35.8	62	76	40	79	207	41	114	176
Minority interests	0.1	1	1	1	0	-3	0	-1	-1
Share of Associates	1.2	0	0	-1	0	9	-1	0	0
Preference dividend	0.0	0	0	0	0	0	0	0	0
Adj. PAT (after MI & Asso)	35.8	56	76	20	78	214	36	114	176
Change (%)	NA	57.5	35.5	-74.2	297.8	173.3	-83.4	219.5	55.0
Balance sheet Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	(INR b) FY25E
Share Capital	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Reserves	224.1	278	346	364	465	671	655	745	886
Net Worth	226.5	280	348	366	468	673	657	748	889
Minority Interest	-2.5	-5	-5	-6	-6	12	13	15	16
Total Loans	540.2	496	638	780	782	717	793	823	783
Deferred Tax Liability	29.9	26	38	17	35	76	79	81	80
Capital Employed	794.1	797	1,019	1,157	1,278	1,478	1,542	1,666	1,767
Gross Block	663.8	688	775	811	887	1,297	1,417	1,617	1,817
Less: Accum. Deprn.	76.5	110	149	191	238	298	373	452	545
Net Fixed Assets	587.3	578	626	620	649	999	1,045	1,165	1,272
Capital WIP	43.6	60	119	272	326	169	222	210	195
Investments	10.7	12	18	13	86	49	48	48	48
Curr. Assets	238.5	270	385	414	423	748	797	842	877
Inventory	114.0	126	145	139	142	338	331	358	416
Account Receivables	41.5	47	72	45	45	75	71	77	87
Cash and Bank Balance	17.9	14	63	120	128	174	207	221	187
Others	65.2	83	105	110	107	161	187	187	187
Curr. Liability & Prov.	85.9	122	129	161	205	487	568	599	625
Account Payables	38.5	69	59	81	69	309	382	412	438
Provisions & Others	47.5	53	69	80	136	178	186	186	186
Net Current Assets	152.5	148	256	252	218	261	228	244	252
Appl. of Funds	794.1	797	1,019	1,157	1,278	1,478	1,542	1,666	1,767

Financials and valuations

Ratios									
Y/E March	FY17	FY18	FY19	FY20	FY21E	FY22	FY23	FY24E	FY25E
Basic (INR)									
EPS	14.9	23.4	31.8	8.2	32.4	88.6	14.7	47.0	72.8
Cash EPS	29.6	39.8	48.7	34.5	52.1	110.3	48.1	80.0	111.1
BV/Share	94.4	116.2	145.0	152.5	193.5	278.4	271.8	309.4	367.6
DPS	0.8	2.3	3.3	4.1	6.5	17.4	3.4	9.4	14.6
Payout (%)	6.1	9.6	10.2	50.0	20.1	19.6	23.1	20.0	20.0
Valuation (x)									
P/E	52.7	33.6	24.7	95.8	24.3	8.9	53.5	16.7	10.8
Cash P/E	26.6	19.7	16.1	22.8	15.1	7.1	16.4	9.8	7.1
P/BV	8.3	6.8	5.4	5.2	4.1	2.8	2.9	2.5	2.1
EV/Sales	4.3	3.4	2.9	3.5	3.2	1.7	1.5	1.4	1.2
EV/EBITDA	19.6	16.2	13.0	22.8	12.8	6.3	13.4	8.3	6.3
Dividend Yield (%)	0.1	0.3	0.4	0.5	0.8	2.2	0.4	1.2	1.9
Return Ratios (%)									
EBITDA Margins (%)	22.0	21.0	22.4	15.4	25.1	26.6	11.2	16.9	19.6
Net Profit Margins (%)	6.4	8.0	9.0	2.7	9.8	14.6	2.1	6.3	8.7
RoE	17.4	22.2	24.4	5.5	18.7	37.5	5.3	16.2	21.5
RoCE (pre-tax)	7.9	9.6	11.0	4.5	8.7	17.4	5.3	9.9	12.4
RoIC (pre-tax)	8.5	10.6	13.0	5.9	13.8	24.2	6.9	13.3	16.2
Working Capital Ratios									
Fixed Asset Turnover (x)	0.8	1.0	1.1	0.9	0.9	1.1	1.2	1.1	1.1
Asset Turnover (x)	0.7	0.9	0.8	0.6	0.6	1.0	1.1	1.1	1.1
Debtor (Days)	27.2	24.5	30.8	22.6	20.6	18.6	15.7	15.7	15.7
Inventory (Days)	74.8	65.6	62.6	69.7	65.3	84.3	72.9	72.9	75.0
Creditors(Days)	25.2	36.0	25.5	40.8	31.6	77.0	84.0	84.0	79.0
Working Capital (Days)	76.8	54.1	67.9	51.5	54.3	25.8	4.5	4.5	4.5
Leverage Ratio (x)									
Current Ratio	2.8	2.2	3.0	2.6	2.1	1.5	1.4	1.4	1.4
Interest Cover Ratio	2.3	3.1	3.8	1.6	3.9	6.6	1.6	2.8	3.7
Debt/Equity	2.3	1.7	1.7	1.8	1.4	0.8	0.9	0.8	0.7

Cash flow statement (consolidated)

Cash flow statement (conso	lidated)								(INR b)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
EBITDA	122.6	147	190	112	200	390	185	303	398
Non cash exp. (income)	-2.7	2	-1	11	-5	-1	23	0	0
(Inc)/Dec in Wkg. Cap.	-38.7	-11	-16	16	13	-73	31	-2	-43
Tax Paid	-2.4	-14	-26	-12	-19	-54	-6	-41	-58
CF from Op. Activity	78.9	124	146	128	188	263	233	260	297
(Inc)/Dec in FA + CWIP	-44.4	-47	-102	-128	-93	-100	-147	-188	-185
(Pur)/sale of Invest.	-2.9	0	3	1	-3	-1	0	0	0
Acquisition in subs.	-1.5	-4	-14	1	-67	-7	-4	0	0
Int. & Dividend Income	1.2	1	2	5	6	6	11	13	13
Others	0.5	1	-2	-75	75	-58	33	2	-1
CF from Inv. Activity	-47.1	-49	-114	-196	-81	-160	-107	-173	-173
Equity raised/(repaid)	0.0	0	-2	0	0	0	0	0	0
Debt raised/(repaid)	10.8	-40	67	111	17	-80	51	30	-40
Dividend (incl. tax)	-2.2	-7	-9	-12	-5	-16	-42	-23	-35
Interest paid	-35.7	-35	-38	-47	-43	-51	-69	-81	-83
CF from Fin. Activity	-27.1	-82	18	52	-31	-147	-60	-73	-158
(Inc)/Dec in Cash	4.7	-7	49	-16	76	-44	66	14	-34
Add: opening Balance	7.3	18	14	63	120	128	174	207	221
Regrouping	5.9	3	0	73	-67	89	-33	0	0
Closing Balance	17.9	14	63	120	128	174	207	221	187

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ΝΟΤΕS

Explanation of Investment Rating							
Investment Rating	Expected return (over 12-month)						
BUY	>=15%						
SELL	< - 10%						
NEUTRAL	< - 10 % to 15%						
UNDER REVIEW	Rating may undergo a change						
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation						

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