motilal oswal
Financial Services

25 July 2026
1QFY27 Results Update | Sector: Metals

Jindal Steel

Estimate change	⟷
TP change	⟷
Rating change	⟷

Bloomberg	JINDALST IN
Equity Shares (m)	1020
M.Cap.(INRb)/(USDb)	1060.9 / 11
52-Week Range (INR)	1306 / 942
1, 6, 12 Rel. Per (%)	-4/3/9
12M Avg Val (INR M)	1677
Free float (%)	37.3

Financials & Valuations (INR b)

Y/E MARCH	FY26	FY27E	FY28E
Sales	532	680	781
EBITDA	90	131	177
APAT	34	61	95
Adj. EPS (INR)	33.3	59.2	91.6
EPS Gr. (%)	(19.6)	77.6	54.9
BV/Sh. (INR)	493	545	626
Ratios			
Net D:E	0.3	0.3	0.2
RoE (%)	7.0	11.4	15.6
RoCE (%)	8.2	11.9	15.7
Payout (%)	10.0	10.0	10.0
Valuations			
P/E (x)	31.2	17.6	11.3
P/BV (x)	2.1	1.9	1.7
EV/EBITDA(x)	13.6	9.3	6.8
Div. Yield (%)	0.3	0.6	0.9
FCF Yield (%)	(2.3)	3.3	4.3

Shareholding Pattern (%)

As On	Jun-26	Mar-26	Jun-25
Promoter	62.7	62.7	62.4
DII	19.5	19.1	18.1
FII	9.1	9.5	10.0
Others	8.7	8.7	9.5

FII includes depository receipts

CMP: INR1,040 TP: INR1,200 (+15%) Buy

Operating outperformance over better NSR; outlook remains strong

- Jindal Steel's (JINDALST) revenue stood at INR155b (+26% YoY and -5% QoQ) during 1QFY27 and was 10% above our estimates. The beat was driven by better-than-expected volumes and NSR. The QoQ revenue decline was primarily due to muted volumes, which was partially offset by healthy NSR.
- Adj. EBITDA stood at INR27b (flat YoY and -10% QoQ) against our est. of INR24b during the quarter. This translated into EBITDA/t of INR11,900 vs our estimate of INR11,160/t in 1QFY27. The higher coking coal costs of USD23/t QoQ were partially offset by stronger NSR and disciplined cost management, resulting in resilient EBITDA despite lower volumes.
- APAT for the quarter stood at INR8.4b (down 40% YoY and 39% QoQ), against our estimate of INR9.5b in 1QFY27, driven by higher tax outgo.
- Production for 1QFY27 stood at 2.4mt (+15% YoY and -10% QoQ), whereas sales volume stood at 2.23MT (+17% YoY and -15% QoQ). The muted production and sales were due to planned maintenance shutdowns.
- The share of exports stood at 9% in 1QFY27, compared to 5% in 4QFY26.
- Flat steel ASP improved by ~INR7,000/t QoQ, while long product ASP rose ~INR4,500/t QoQ, resulting in a strong NSR jump of 7% YoY and 12% QoQ to INR69,427/t, despite lower sales volumes.
- The consolidated net debt stood at INR159b during the quarter, compared to INR160b as of Mar'26. The net debt/EBITDA increased to 1.71x in 1QFY27 vs 1.66x in 4QFY26.

Key highlights from the management commentary

- Management reiterated FY27 steel sales guidance of 10.5-11.0mt despite lower volumes in 1Q, as the decline was attributed to the planned BOF maintenance shutdown. The shortfall is expected to be fully recovered in the coming quarters.
- Management remains focused on maximizing utilization of its installed 15.6mt capacity, initially targeting ~11.5mt, followed by ~12.5-13mt through debottlenecking and operational improvements. Beyond this, the company plans to utilize external metallics (HBI/DRI/scrap) to unlock the full utilization potential of the asset base.
- Current market prices indicate limited correction in flat products (~INR800/t below Q1 average), while TMT prices have corrected by ~INR8,000/t due to seasonal monsoon-led weakness.
- Management expects long steel demand to recover post-monsoon, while the diversified product portfolio provides flexibility to shift production toward higher-VAP during periods of weakness in construction steel.
- Coking coal consumption costs increased by ~USD23/t QoQ during Q1FY27, in line with earlier guidance, while management expects another USD12-15/t increase in Q2FY27 depending on international coal markets.

Alok Deora - Research analyst (Alok.Deora@MotilalOswal.com)
Sonu Upadhyay - Research analyst (Sonu.Upadhyay@MotilalOswal.com)

- Iron ore costs increased by ~INR500/t during 1Q, while geopolitical disruptions in the Middle East also adversely impacted raw material costs by USD12-13/t.
- 1Q witnessed lower operating leverage due to a planned maintenance shutdown, which increased costs by ~INR2,000/t. Management expects cost reduction from 2QFY27 onwards, driven by higher operating leverage and commissioning of the slurry pipeline.

Valuation and view – Reiterate BUY

- JINDALST posted a strong 1QFY27 performance, driven by higher NSR. However, the company witnessed cost escalation during the quarter due to muted volumes, higher input costs (coking coal and iron ore), and ongoing disruptions in the Middle East. Costs are expected to moderate over the coming quarters, supported by capacity ramp-up and higher value-added mix.
- We remain positive on JINDALST's long-term outlook, where the recent increase in its crude steel capacity to 15.6mtpa provides significant headroom for earnings growth. Further, the safeguard duty is expected to keep steel prices steady, supporting margins against input cost volatility.
- A large proportion of capex has already been incurred, and the rest is likely to be funded through internal accruals, keeping net debt/EBITDA below the threshold level of 1.5x. Net debt stood at INR159b in 1QFY27, translating into a net debt/EBITDA of 1.7x. **At CMP, the stock trades at 6.8x EV/EBITDA on FY28E. We retain our estimates and reiterate our BUY rating with a TP of INR1,200, based on 7.5x EV/EBITDA on the FY28 estimate.**

Consolidated quarterly performance **(INR b)**

Y/E March	FY26				FY27				FY26	FY27E	FY27	vs Est
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	(%)
Sales (kt)	**1,900**	**1,870**	**2,280**	**2,620**	**2,230**	**2,254**	**2,708**	**3,422**	**8,670**	**10,613**	**2,162**	**3.1**
Change (YoY %)	(9.1)	1.1	20.0	23.0	17.4	20.5	18.8	30.6	8.8	22.4		
ASP	**64,708**	**62,491**	**57,134**	**61,900**	**69,427**	**61,427**	**62,427**	**63,714**	**61,390**	**64,100**	**64,900**	**7.0**
Net Sales	**122.9**	**116.9**	**130.3**	**162.2**	**154.8**	**138.5**	**169.0**	**218.0**	**532.2**	**680.3**	**140.3**	**10.3**
Change (YoY %)	(9.7)	4.2	10.9	23.0	25.9	18.5	29.7	34.4	7.0	27.8		
Change (QoQ %)	(6.7)	(5.0)	11.5	24.5	(4.5)	(10.6)	22.1	29.0				
EBITDA	**29.3**	**18.8**	**15.9**	**26.5**	**26.6**	**22.6**	**33.6**	**48.4**	**90.4**	**131.1**	**24.1**	**10.2**
Change (YoY %)	3.2	(14.0)	(25.3)	6.7	(9.2)	20.4	110.7	82.8	(6.8)	45.0		
Change (QoQ %)	18.1	(36.0)	(15.1)	66.2	0.5	(15.1)	48.6	44.2				
EBITDA/t	**15,419**	**10,027**	**6,986**	**10,103**	**11,930**	**10,018**	**12,392**	**14,140**	**10,432**	**12,354**	**11,161**	**6.9**
Interest	3.0	3.7	4.1	4.4	5.5	4.0	4.5	4.9	15.2	18.8		
Depreciation	7.2	7.5	8.4	8.6	9.3	9.0	9.2	9.5	31.7	37.0		
Other Income	0.3	0.2	0.1	2.7	0.2	1.2	1.3	1.4	3.3	4.0		
PBT (before EO item)	**19.4**	**7.8**	**3.6**	**16.1**	**12.0**	**10.8**	**21.1**	**35.4**	**46.8**	**79.3**		
Exceptional items	0.8	2.1	(0.1)	(5.2)	-	-	-	-	(2.6)	-		
PBT (after EO item)	**20.2**	**9.8**	**3.4**	**10.8**	**12.0**	**10.8**	**21.1**	**35.4**	**44.3**	**79.3**		
Total Tax	5.2	3.5	1.5	0.3	3.6	2.3	4.5	7.8	10.5	18.2		
% Tax	25.9	35.3	43.7	3.0	29.9	21.5	21.5	22.0	23.8	23.0		
PAT (pre MI/ Asso.)	15.0	6.4	1.9	10.5	8.4	8.5	16.6	27.6	33.8	61.1		
MI - Loss/(Profit)	0.0	(0.0)	(0.0)	(0.0)	(0.0)	-	-	-	(0.1)	(0.0)		
Associate	(0.0)	(0.0)	(0.0)	(0.1)	(0.0)	-	-	-	(0.2)	(0.0)		
PAT (after MI /Asso.)	**14.9**	**6.4**	**1.9**	**10.4**	**8.4**	**8.5**	**16.6**	**27.6**	**33.7**	**61.1**		
Adjusted PAT	**14.2**	**4.3**	**2.0**	**13.9**	**8.4**	**8.5**	**16.6**	**27.6**	**34.4**	**61.1**	**9.5**	**(11.0)**
Change (YoY %)	5.8	(48.5)	(77.3)	26.0	(40.4)	95.8	712.0	99.3	(19.1)	77.6		
Change (QoQ %)	28.9	(69.5)	(52.8)	579.4	(39.0)	0.2	95.7	66.7				

CONFERENCE CALL

Key highlights from the management commentary

Volume guidance and outlook

- Management reiterated FY27 steel sales guidance of 10.5-11.0mt, despite lower volumes in 1Q over planned BOF maintenance shutdown. The shortfall is expected to be fully recovered in the coming quarters.
- Management remains focused on maximizing utilization of its installed 15.6mt capacity, with an initial target of ~11.5mt, followed by ~12.5-13mt through debottlenecking and operational improvements before utilizing external metallics (HBI/DRI/scrap) to unlock the full potential of the asset base.
- Blast Furnace-I at Angul is currently operating at ~11ktpd above the rated capacity of ~10ktpd. Angul Blast Furnace-II has already achieved ~11ktpd hot metal production, with management targeting 12ktpd after the monsoon and full design capacity of 13ktpd by Dec'26. This will take the total Angul hot metal production to ~24ktpd by end-CY26.
- The company reiterated its strategic shift toward value-added steel rather than commodity volumes, with future capacity additions focused on specialty and engineered products instead of conventional HRC or rebar capacity.

Pricing and cost guidance and outlook

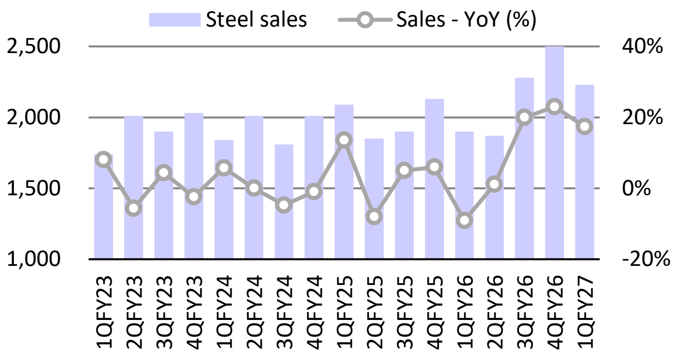
- Value-added products accounted for 66% of sales in 1QFY27 (vs. 61% in Q4FY26), aided by downstream ramp-up, and management expects the mix to improve further as recently commissioned facilities stabilize.
- Current market prices indicate limited correction in flat products (~INR800/t below Q1 average), while TMT prices have corrected by ~INR8,000/t due to seasonal monsoon weakness.
- Management expects long steel demand to recover post-monsoon, while the diversified product portfolio provides flexibility to shift production toward higher-value products during periods of weakness in construction steel.
- Coking coal consumption costs increased by ~USD23/t QoQ during 1QFY27, in line with the earlier guidance, while management expects another USD12-15/t increase in 2QFY27, depending on international coal markets.
- Iron ore costs increased by ~INR500/t during 1Q, while geopolitical disruptions in the Middle East also adversely impacted raw material costs by USD12-13/t.
- 1Q witnessed lower operating leverage due to a planned maintenance shutdown, which have increased costs by ~INR2,000/t. Management expects cost reduction from 2QFY27 onwards, driven by higher operating leverage and commissioning of the slurry pipeline.
- The company targets structural operating cost reduction of ~INR1,000/t over the medium term through productivity improvements, yield enhancement, lower power consumption, optimized coal blending, and operational efficiencies.
- Captive coal utilization currently stands at ~50%, with further improvement expected through the ramp-up of Utkal B1 and commissioning of Utkal B2.
- Captive iron ore usage increased to ~28% in 1QFY27 (vs. ~16% in Q4FY26), with management targeting ~40% backward integration by FY27 exit.

Capex and capacity update

- The Angul slurry pipeline is fully installed and currently undergoing commissioning trials, with commercial commissioning expected during 2QFY27, subject to weather conditions.
- The slurry pipeline is expected to generate logistics savings of ~INR700/t once fully ramped up. The 18mtpa slurry pipeline has been designed to support both current and future expansion projects, with utilization expected to increase alongside pellet and sinter capacity additions.
- FY27 capex guidance of ~INR85b remains unchanged, with ~INR19.6b invested during 1QFY27 and the balance to be deployed primarily toward ongoing expansion and value-added downstream projects.
- Cumulative spending under the existing expansion program has reached INR37.5b out of the announced INR47b, with major projects largely completed.
- Management emphasized that the future expansion will largely be funded through internal cash generation rather than incremental leverage.
- Moreover, management ruled out aggressive greenfield commodity expansion, indicating that future investments will be driven by returns and product differentiation rather than capacity leadership.
- Future annual capex is expected to remain in the INR80-100b range, primarily focused on value-added steel, downstream processing, and specialty product development rather than commodity capacity expansion.
- The proposed Jharkhand steel project remains conditional upon securing iron ore resources, with no final investment decision taken until raw material linkage is established.
- Net debt/EBITDA stood at 1.71x, and management remains confident of reducing leverage below 1.5x during 2QFY27 through stronger CFO.

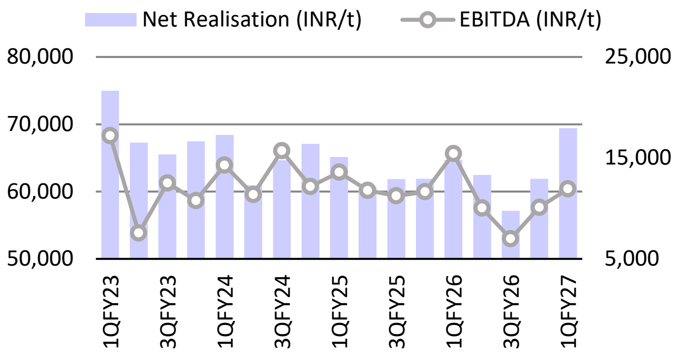
Story in charts

Exhibit 1: Muted volume in 1Q over schedule maintenance



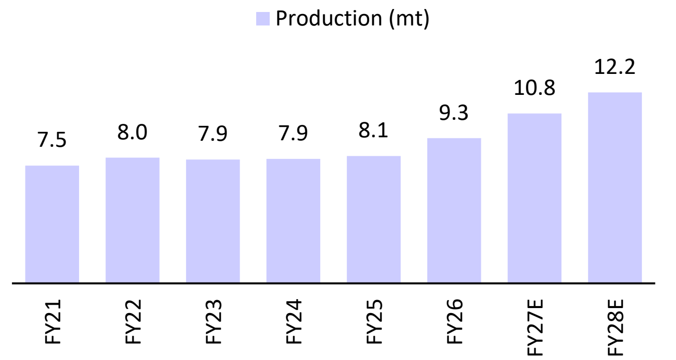
Source: MOFSL, Company

Exhibit 2: Healthy NSR led to improved EBITDA/t



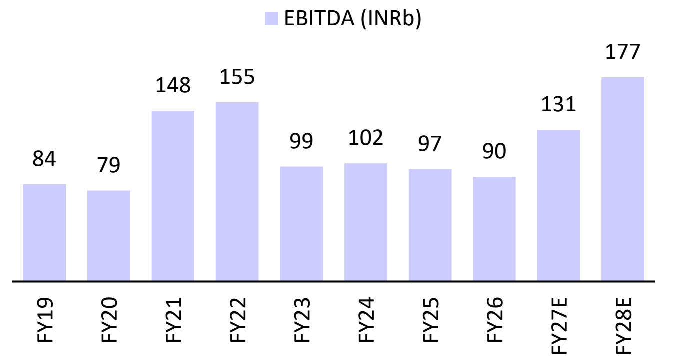
Source: MOFSL, Company

Exhibit 3: Volume to clock a 15% CAGR over FY26-28E



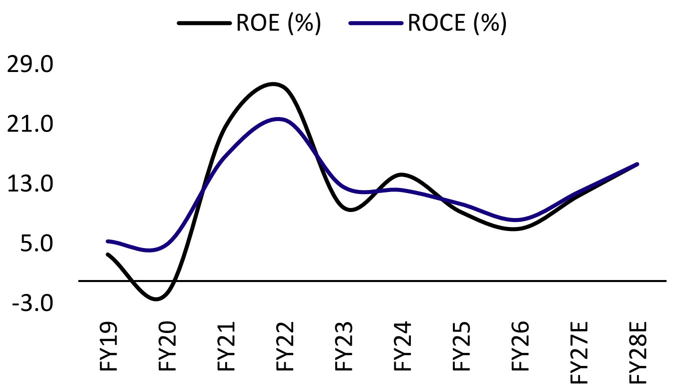
Source: MOFSL, Company

Exhibit 4: Robust volume growth to drive EBITDA



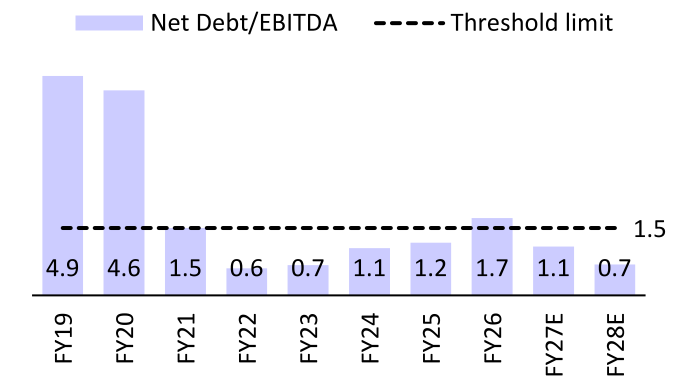
Source: MOFSL, Company

Exhibit 5: RoE and RoCE trends are likely to improve



Source: MOFSL, Company

Exhibit 6: Net debt/EBITDA to remain below 1.5x



Source: MOFSL, Company

Exhibit 7: Key assumptions and changes to our estimates

	UoM	FY27E			FY28E		
		New	Old	Change	New	Old	Change
Revenue	INR b	680	671	1%	781	781	0%
EBITDA	"	131	131	0%	177	177	0%
PAT	"	61	63	-3%	95	95	0%

Source: Company, MOFSL

Exhibit 8: Valuation

Y/E March	UoM	FY28E
Volume	mt	11.8
Blended EBITDA/t	INR	14,945
Consolidated EBITDA	**INR b**	**177**
Target EV/EBITDA(x)	x	7.5
Target EV	INR b	1,324
Net Debt	**INR b**	**121**
Equity Value	INR b	1,203
No of shares o/s	b	1.0
Target price (INR/share)	**INR/sh**	**1,200**

Source: Company, MOFSL

Exhibit 9: EV/EBITDA trend

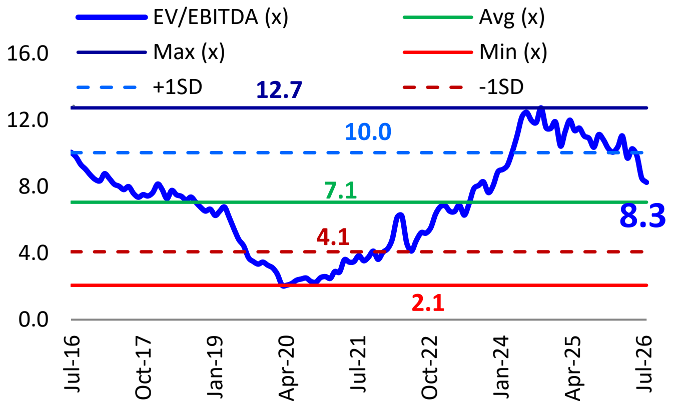
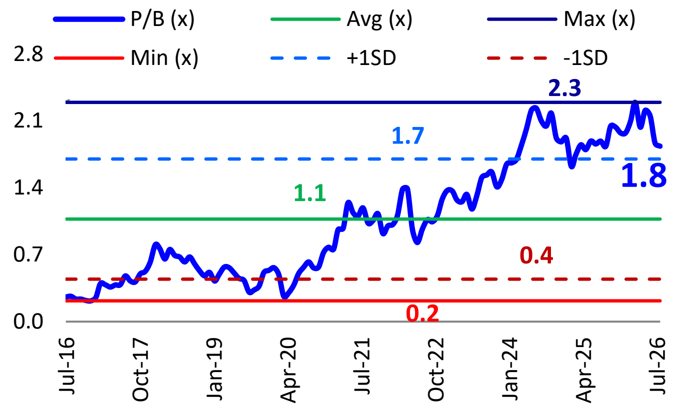


Exhibit 10: P/B ratio slipped from the peak



Source: MOFSL, Company Data

Financials and valuation

Consolidated Income Statement								(INR b)
Y/E March	**FY21**	**FY22**	**FY23**	**FY24**	**FY25**	**FY26**	**FY27E**	**FY28E**
Net sales	**389**	**511**	**527**	**500**	**498**	**532**	**680**	**781**
Change (%)	5.0	31.5	3.2	(5.1)	(0.5)	7.0	27.8	14.8
Total Expenses	241	356	428	398	401	442	549	604
EBITDA	**148**	**155**	**99**	**102**	**97**	**90**	**131**	**177**
As a percentage of Net Sales	38.0	30.4	18.8	20.4	19.5	17.0	19.3	22.6
Depn. and Amortization	35	21	27	28	28	32	37	40
EBIT	**113**	**134**	**72**	**74**	**69**	**59**	**94**	**136**
Net Interest	31	19	14	13	13	15	19	16
Other income	4	1	1	2	2	3	4	3
PBT before EO	**86**	**116**	**59**	**62**	**58**	**47**	**79**	**123**
EO income	(13)	(4)	(14)		(14)	(3)		
PBT after EO	**73**	**112**	**45**	**62**	**44**	**44**	**79**	**123**
Tax	18	29	13	3	15	11	18	28
Rate (%)	24.2	26.2	28.8	4.8	33.8	23.8	23.0	23.0
PAT (before MI and Sh. of Asso.)	**55**	**82**	**32**	**59**	**29**	**34**	**61**	**95**
Minority interests	3	(0)	0	0	0	(0)	(0)	
Other adj.			(9)					
Share of Associates		(0)	(0)	(0)	(0)	(0)	(0)	
PAT (after MI and Sh. of Asso.)	**53**	**83**	**32**	**59**	**29**	**34**	**61**	**95**
Adjusted PAT	**66**	**87**	**37**	**59**	**43**	**34**	**61**	**95**
Change (%)	LP	31.8	(57.9)	62.3	(28.4)	(19.1)	77.6	54.9

Consolidated Balance Sheet								(INR b)
Y/E March	**FY21**	**FY22**	**FY23**	**FY24**	**FY25**	**FY26**	**FY27E**	**FY28E**
Share Capital	1	1	1	1	1	1	1	1
Reserves	317	355	386	442	471	508	562	646
Net Worth	**318**	**356**	**387**	**443**	**472**	**509**	**563**	**647**
Minority Interest	-9	15	3	4	2	9	9	9
Total Loans	293	139	124	159	178	220	216	212
Deferred Tax Liability	62	73	59	59	58	61	61	61
Capital Employed	**665**	**582**	**574**	**665**	**710**	**800**	**850**	**930**
Gross Block	833	681	690	766	804	986	1,061	1,151
Less: Accum. Deprn.	286	223	247	275	303	335	372	412
Net Fixed Assets	**547**	**458**	**443**	**491**	**501**	**652**	**690**	**739**
Capital WIP	9	17	71	89	155	73	73	73
Goodwill and Revaluation	5	4	1	1	1	1	1	1
Investments	1	1	1	1	5	11	11	11
Curr. Assets	**216**	**285**	**179**	**205**	**196**	**241**	**277**	**313**
Inventory	59	73	59	71	56	80	103	118
Account Receivables	28	13	10	17	14	17	22	25
Cash and Bank Balance	72	45	57	52	65	65	74	91
Loans and advances and others	57	155	53	66	61	79	79	79
Curr. Liability and Prov.	**113**	**184**	**120**	**121**	**147**	**176**	**201**	**206**
Account Payables	41	53	47	47	57	88	112	118
Provisions and Others	73	132	73	75	90	88	88	88
Net Current Assets	**103**	**101**	**58**	**84**	**48**	**65**	**77**	**107**
Appl. of Funds	**665**	**582**	**574**	**665**	**710**	**800**	**850**	**930**

Financials and valuation

Consolidated ratios

Y/E March	FY21	FY22	FY23	FY24	FY25	FY26	FY27E	FY28E
Basic (INR)								
EPS	**64.7**	**86.0**	**36.4**	**58.4**	**41.4**	**33.3**	**59.2**	**91.6**
Cash EPS	88.0	102.4	58.6	87.5	56.3	64.3	96.4	132.6
BV/Share	311.6	352.1	384.8	435.6	459.5	493.0	545.3	626.4
DPS	0.0	3.0	2.0	2.0	4.1	3.3	5.9	9.2
Payout (%)	0.0	3.5	5.5	3.4	10.0	10.0	10.0	10.0
Valuation (x)								
P/E	16.1	12.1	28.6	17.8	25.1	31.2	17.6	11.3
Cash P/E	11.8	10.2	17.8	11.9	18.5	16.2	10.8	7.8
P/BV	3.3	3.0	2.7	2.4	2.3	2.1	1.9	1.7
EV/Sales	3.3	2.2	2.1	2.3	2.4	2.3	1.8	1.5
EV/EBITDA	8.7	7.4	11.2	11.4	12.2	13.6	9.3	6.8
Dividend Yield (%)	0.0	0.3	0.2	0.2	0.4	0.3	0.6	0.9
Return Ratios (%)								
EBITDA Margin (%)	38.0	30.4	18.8	20.4	19.5	17.0	19.3	22.6
Net Profit Margin (%)	17.0	17.0	6.9	11.9	8.5	6.5	9.0	12.1
RoE	20.6	25.9	9.9	14.2	9.3	7.0	11.4	15.6
RoCE (pre-tax)	16.7	21.6	12.6	12.2	10.3	8.2	11.9	15.7
RoIC (pre-tax)	17.7	24.6	15.1	15.3	13.8	10.3	14.0	18.8
Working Capital Ratios								
Fixed Asset Turnover (x)	0.7	1.1	1.0	0.9	0.8	0.7	0.9	1.0
Asset Turnover (x)	0.6	0.9	0.9	0.8	0.4	0.4	0.4	0.4
Inventory (Days)	56	52	41	52	41	55	55	55
Debtor (Days)	26	9	7	12	10	12	12	12
Payable (Days)	38	38	33	34	42	60	60	55
Work. Cap. Turnover (Days)	44	24	15	30	9	7	7	12
Leverage Ratio (x)								
Current Ratio	1.9	1.5	1.5	1.7	1.3	1.4	1.4	1.5
Interest Coverage Ratio	3.7	7.1	5.0	5.7	5.3	3.9	5.0	8.3
Debt/Equity ratio	0.7	0.3	0.2	0.2	0.2	0.3	0.3	0.2

Consolidated Cash Flow Statement **(INR b)**

Y/E March	FY21	FY22	FY23	FY24	FY25	FY26	FY27E	FY28E
EBITDA	148	155	99	102	97	90	131	177
Non-cash exp./(income)	(2)	25	(5)	1	(5)	2	-	-
(Inc.)/Dec. in Wkg. Cap.	(12)	(8)	11	(19)	28	3	(3)	(13)
Tax Paid	1	(20)	(27)	(7)	(15)	(13)	(18)	(28)
others	(14)	9	(6)	(17)	3	(10)	-	-
CF from Op. Activity	**120**	**160**	**73**	**60**	**108**	**72**	**110**	**135**
(Inc.)/Dec. in FA + CWIP	(9)	(29)	(64)	(85)	(106)	(96)	(75)	(90)
(Pur.)/Sale of Investments	0	1	0	1	1	0	-	-
Loans and advances	(11)	4	23	(2)	(20)	(13)	-	-
Int. and Dividend Income	1	2	1	2	2	1	4	3
Other investing activities	(8)	(29)	(64)	(84)	(105)	(95)	-	-
CF from Inv. Activity	**(19)**	**(23)**	**(40)**	**(83)**	**(123)**	**(107)**	**(71)**	**(87)**
Equity raised/(repaid)	-	(5)	(2)	(2)	-	5	-	-
Debt raised/(repaid)	(23)	(119)	(6)	34	19	43	(4)	(4)
Dividend (incl. tax)	(0)	(1)	(2)	(2)	(2)	(2)	(7)	(11)
Interest paid	(23)	(26)	(15)	(16)	(20)	(22)	(19)	(16)
CF from Fin. Activity	**(46)**	**(151)**	**(25)**	**14**	**8**	**28**	**(30)**	**(31)**
(Inc.)/Dec. in Cash	**55**	**(14)**	**8**	**(10)**	**(7)**	**(7)**	**9**	**17**
Add: opening cash balance	5	60	35	43	33	26	19	28
Discontinued operations (/adj.)	-	(11)	-	0	-	-	-	-
Closing cash balance	60	35	43	33	26	19	28	45
Bank balance	12	10	15	18	39	46	46	46
Closing Balance	**72**	**45**	**57**	**52**	**65**	**65**	**74**	**91**

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

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

Disclosures

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412 and BSE enlistment no. 5028. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL),NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products and is a member of Association of Portfolio Managers in India (APMI) for distribution of PMS products. Details of associate entities of Motilal Oswal Financial Services Ltd. are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/Associate%20Details.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (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 company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx. As per Regulatory requirements, Research Audit Report is uploaded on www.motilaloswal.com > MOFSL-Important Links > MOFSL Research Analyst Compliance Audit Report.

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views.

Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the"1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered broker-dealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets (Singapore) Pte. Ltd. ("MOCMSPL") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore.This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL .

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani
Email: nainesh.rajani@motilaloswal.com
Contact: (+65) 8328 0276

.

Specific Disclosures

1. Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies).
   MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: Yes.
   Nature of Financial interest is holding equity shares or derivatives of the subject company
2. Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report.
   MOFSL has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report:No
3. Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.
   MOFSL may have received compensation from the subject company(ies) in the past 12 months.
4. Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.
   MOFSL does not have material conflict of interest in the subject company at the time of publication of research report.
5. Research Analyst has not served as an officer, director or employee of subject company(ies).

6. MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months.
7. MOFSL has not received compensation for investment banking /merchant banking/brokerage services from the subject company(ies) in the past 12 months.
8. MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) in the past 12 months.
9. MOFSL may have received compensation or other benefits from the subject company(ies) or third party in connection with the research report.
10. MOFSL has not engaged in market making activity for the subject company.

****

The associates of MOFSL may have:
financial interest in the subject company
actual/beneficial ownership of 1% or more securities in 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.
received compensation/other benefits from the subject company in the past 12 months
any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
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 company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
Served subject company as its clients during twelve months preceding the date of distribution of the research report.
The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report
Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.
Analyst Certification
The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.
Terms & Conditions:
This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.
Disclaimer:
The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed 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, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.
This report is meant for the clients of Motilal Oswal only.
Investment in securities market are subject to market risks. Read all the related documents carefully before investing.
Registration granted by SEBI, enlistment as RA with Exchange and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors
Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com.
Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.
Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com
Mr. Neeraj Agarwal	022 40548085	na@motilaloswal.com
Mr. Siddhartha Khemka	022 50362452	po.research@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412, BSE enlistment no. 5028, AMFI registered Mutual Fund Distributor and SIF Distributor: ARN .: 146822. IRDA Corporate Agent – CA0579, APMI: APRN00233. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products.
Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.