

JSW Steel

Estimate changes	←
TP change	←
Rating change	←

Bloomberg	JSTL IN
Equity Shares (m)	2417
M.Cap.(INRb)/(USDb)	1994.8 / 24
52-Week Range (INR)	896 / 649
1, 6, 12 Rel. Per (%)	-5/-7/-7
12M Avg Val (INR M)	1780

Financials Snapshot (INR b)

Y/E MARCH	FY24E	FY26E	FY26E
Net Sales	1,778	1,963	2,103
EBITDA	298	384	424
PAT	105	158	178
EPS (INR)	43	65	74
GR. (%)	196	50	13
BV/Sh (INR)	306	358	417
Ratios			
ROE (%)	15.1	19.7	19.0
RoCE (%)	9.6	11.7	12.1
Valuations			
P/E (X)	18.8	12.5	11.1
P/BV (X)	2.7	2.3	2.0
EV/EBITDA (X)	8.6	6.7	5.9
Div Yield (%)	1.1	1.6	1.8

Shareholding pattern (%)

As On	Dec-23	Sep-23	Dec-22
Promoter	44.8	44.8	45.2
DII	10.0	10.0	9.9
FII	26.7	26.6	26.6
Others	18.5	18.0	18.4

FII Includes depository receipts

CMP: INR816 TP: INR910 (+12%) Neutral

Revenue in line; slight beat on earnings

- JSTL posted consolidated revenue of INR419b (up 7% YoY), which was in line with our estimate of INR411b. ASP for 3QFY24 stood at INR69,900/t (up 2% YoY), INR236/t higher than our estimate of INR69,664/t.
- EBITDA stood at INR72b (up 58% YoY), 9% above our estimate of INR66b. EBITDA/t stood at INR11,967/t, INR807/t higher than our estimate of INR11,159/t.
- Record dispatches to OEM, auto, RE, and packaging sector along with better operating performance from overseas subsidiaries supported the performance, which was partially offset by lower exports and lower offtake during festive holidays and higher input costs.
- APAT stood at INR23b (up 366% YoY), 9% above our estimates of INR21b. During 3QFY24, JSTL recognized an unrealized gain of INR1.35b, resulting from the dilution of interest in the company's JV. This gain was accounted for as 'other income'.
- Combined crude steel production stood at 6.9mt (up 12% YoY) and sales volumes came in at 6mt (up 5% YoY). The volumes were driven by higher capacity utilization and better demand scenario in the USA.
- Net debt in 3QFY24 increased INR100b to INR792b, with a net debt-to-EBITDA ratio of 2.64x (up from 2.52x in 2QFY24) and D/E ratio of 1.02x (up from 0.92x in 2QFY24).
- Revenue for 9MFY24 was up 8% YoY to INR1,287b; EBITDA was up 108%
 YoY to INR221b and APAT stood at INR77b.

Highlights from management commentary

- In 3QFY24, the coking coal cost was up USD21/t (as against the guidance of USD25-30/t). JSTL could achieve lower-than-guided cost due to better blending.
- Coking coal cost for 4QFY24 is expected to increase USD20-25/t.
- JSTL has maintained its production and sales target at 26.3mt and 25mt, respectively, for FY24.
- Capex for FY24 has been slightly trimmed down from INR200-210b to INR180b, with ~INR50b expected in 4QFY24. The decline in capex guidance is due to some spill over to 1QFY25.
- The 1.5mt BPSL expansion is expected to come on stream by the end of Feb'24 and the full benefit for the same is expected in FY25.
- The Vijayanagar expansion is expected to come on stream by mid FY25.
- JSTL is enhancing its RM integration by expanding EC at its existing mines in Karnataka by 4mt to 11mt.
- JSTL expects to increase the share of captive iron ore to 50% from its current 33% in the next few years.
- The company has implemented a price hike at the start of CY24 and may implement more hikes in 4QFY24.

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

Parthiv Deepak Jhonsa - Research analyst (Parthiv.Jhonsa@MotilalOswal.com)

Motilal Oswal

Valuation and view

The recent increase in coking coal and iron ore prices are expected to increase the cost; however, higher domestic volumes, better product mix, better overseas subsidiaries performance and higher exports are expected to partly mitigate the hike in key input prices in 4QFY24.

- Though JSTL remains positive on the robust steel demand from India, any increase in iron ore and coal cost would adversely impact the margins. Hence, we have largely retained our FY25/26 EBITDA guidance.
- JSTL is trading at 5.9x FY26E EV/EBITDA and 2x FY26E P/B. We reiterate our Neutral rating on the stock with a TP of INR910 (6.5x FY26E EV/EBITDA). While we remain positive on the company's growth prospects, we believe the current valuations reflect the strong outlook.

Consolidated financial performance (INR b)

Y/E March		FY	'23			FY2	4E		FY23	FY24E	FY24E	vs Est
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE	•		3QE	(%)
Sales (kt)	4,490	5,740	5,710	6,530	5,710	6,390	6,000	6,832	22,470	24,932		
Change (YoY %)	29.4	49.9	46.0	27.3	27.2	11.3	5.1	4.6	37.5	11.0		
Net Sales	381	418	391	470	422	446	419	491	1,660	1,778	411	1.9
Change (YoY %)	31.8	28.5	2.8	0.1	10.8	6.7	7.2	4.4	13.4	7.1		
Change (QoQ %)	-18.8	9.7	-6.3	20.0	-10.1	5.6	-5.9	17.0				
EBITDA	43	18	45	79	70	79	72	77	185	298	66	9.0
Change (YoY %)	-58.1	-83.2	-50.2	-13.6	63.5	350.1	57.9	-3.0	-52.5	60.7		
Change (QoQ %)	-53.1	-59.3	159.5	74.6	-11.2	11.9	-9.0	7.3				
EBITDA (INR per ton)	9,597	3,052	7,963	12,158	12,340	12,341	11,967	11,273	8,254	11,958		
Interest	14	15	18	21	20	21	20	21	69	81		
Depreciation	18	18	19	20	19	20	21	21	75	81		
Other Income	2	2	2	5	3	2	2	3	10	10		
PBT (before EO Item)	13	-14	10	43	35	40	33	38	52	147		
EO Items	0	6	0	0	0	6	0	0	6	6		
PBT (after EO Item)	13	-8	10	43	35	46	33	38	58	152		
Total Tax	4	1	5	5	11	18	9	10	15	47		
% Tax	34.1	-7.8	48.7	11.9	29.9	39.3	25.7	25.6	26.2	30.8		
PAT before MI and Asso.	9	-9	5	37	25	28	25	28	43	106		
MI (Profit)/Loss	0.0	0.7	0.2	-0.8	-0.9	-0.1	-0.4	0.0	0.1	-1.4		
Share of P/(L) of Ass.	-0.2	-0.6	-0.6	-0.1	-0.3	-0.2	-0.2	0.0	-1.4	-0.7		
Reported PAT (after MI and Asso.)	8	-8	5	37	23	28	24	28	41	103		
Adjusted PAT	8	-14	5	37	23	31	23	28	36	105	21	8.5
Change (YoY %)	-85.8	PL	-88.8	-7.8	179.0	LP	365.3	-22.9	-83.4	195.8		
Change (QoQ %)	-78.9	PL	LP	647.8	-36.2	31.1	-25.6	24.0				

Source: MOFSL, Company

Motilal Oswal



Highlights from the management interaction

4QFY24 and FY24 guidance:

 Coking coal cost, which was up USD21/t in 3QFY24, is expected to further increase by USD20-25/t in 4QFY24.

- JSTL could achieve lower-than-guided coal cost in 3QFY24, on the back of better blending. JSTL blended coal cost is usually lower than the benchmark premium HCC.
- Iron ore prices though have cooled off over the last few weeks, it is expected to remain higher than it was in 3QFY24.
- JSTL has maintained its production and sales guidance of 26.3mt and 25mt, respectively, for FY24.
- Higher domestic volumes, better product mix, better overseas subsidiaries performance and higher exports are expected to mitigate the increase in input cost.
- The share of VAP stood at 60% (down from 62% in 2QFY24) and JSTL expects to keep the share of VAP over 50% (post expansion).
- Net debt in 3QFY24 increased INR100b to INR792b and the same is expected to reduce in the coming quarters as working capital gets released.

Capex:

- JSTL incurred over INR130b as capex in 9MFY24 and is expected to incur an additional INR50b in 4QFY24, taking the yearly capex to ~INR180b.
- Management has revised the capex guidance from its earlier INR200b, due to some payments spilling over to the next quarter.
- 1.5mt BPSL facility is expected to commence production from the end of Feb'24 and the full benefit of ramp up in volumes will be from FY25 onwards.
- The 5mt Vijayanagar facility is expected to commence production from 2Q-3QFY25 onwards.
- Post completion of the ongoing expansion, JSTL expects to undertake brownfield expansion projects at Vijayanagar, Dolvi, and BPSL. Each of these locations holds a growth potential of 4.5-5mt.
- JSTL would also undertake 4mt green steel expansion in two phases with 2mt EAF expected to come on stream by FY30.
- JSTL has planned to increase its domestic presence from the current ~28mt to ~50mt by FY31E.
- The slurry pipeline is expected to be commissioned in FY26.

Iron ore linkages:

- JSTL has nine mines in Karnataka with existing EC of ~7mt and the company has applied for an additional 4mt EC, which is expected to take the total production to 11mt in the near term.
- JSTL has recently won three new mines, which has EC of ~4.5mt and are expected to come on stream by FY25.
- JSTL also has four mines at Odisha with a potential of ~20-25mt, thus taking the total iron ore from captive mines to ~40mt.
- JSTL currently has ~33% of iron ore linkages and the rest is procured from merchant miners. The company expects the same to reach 50% levels.

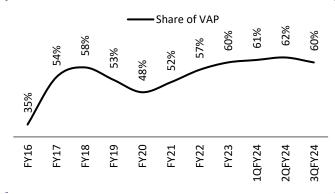
MOTILAL OSWAL JSW Steel

Domestic demand:

- Domestic demand continues to remain robust and is expected to grow at 8-10%
 YoY in FY24.
- The demand is driven by sectors such as infrastructure, real estate, RE, and automobile.
- JSTL expects the demand to further pick up before elections.
- Though the steel imports had increased and touched a recent high in Nov'23, they have since subdued over the last few weeks. As export realizations improve, JSTL expects to dispatch higher volumes in exports in 4QFY24.
- Domestic prices are now close to parity with international prices, which would also limit the imports going ahead.

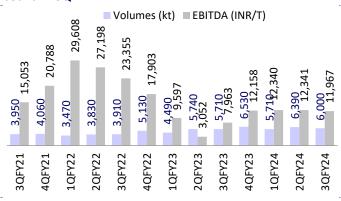
Story in charts

Exhibit 1: Share of VAP has witnessed a slight dip in 3QFY24



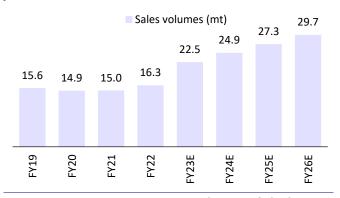
Source: MOFSL, Company

Exhibit 2: Consolidated volumes and EBITDA/t remain range bound in 3QFY24



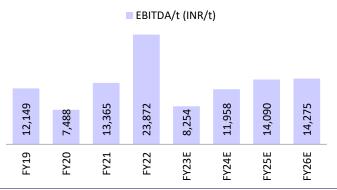
Source: MOFSL, Company

Exhibit 3: Sales volumes expected to touch ~30mt by FY26E



Source: MOFSL, Company

Exhibit 4: Consolidated EBITDA/t (INR/t) expected to improve going forward



Source: MOFSL, Company

Motilal Oswal

Exhibit 5: Net debt/EBITDA to remain below LTA

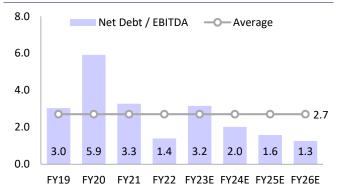
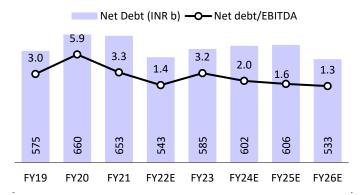


Exhibit 6: JSTL is expected to continuously deleverage



Source: MOFSL, Company

Exhibit 7: Changes in key assumptions and our estimates (consolidated)

Source: MOFSL, Company

Particulars (INR b)	FY24E			FY25E			FY26E		
	New	Old	% Change	New	Old	% Change	New	Old	% Change
Revenue	1,778	1,767	0.6	1,963	1,986	-1.2	2,103	2,126	-1.1
EBITDA	298	290	2.8	384	384	0.0	424	424	0.0
Adj PAT	105	102	2.8	158	158	0.1	178	178	-0.1

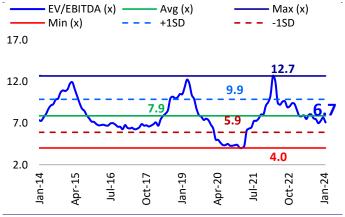
Source: MOFSL, Company

Calculation of TP	
Year	FY26E
Volumes (mt)	29.7
EBITDA (INR/t)	14,275
EBITDA (INR m)	4,23,998
EBITDA (INR b)	424
EV/EBITDA (x)	6.5
EV (INR b)	2,735
Net Debt (INR b)	533
Equity value (INR b)	2,202
No. of shares (b)	2.4
Equity value /sh.	910





Exhibit 9: EV/EBITDA is below LTA



Source: MOFSL

MOTILAL OSWAL

Comparative valuations of global steel companies

	M-Cap	P/E (x)		EV/EBI	TDA (x)	P/B	s (x)	RoE (%)	
	_	CY22/	CY23/	CY22/	CY23/	CY22/	CY23/	CY22/	CY23/
Company	USD mn	FY23	FY24	FY23	FY24	FY23	FY24	FY23	FY24
India									
Tata*	19,791	18.9	33.6	7.2	10.6	1.7	1.8	8.3	5.2
JSW*	24,001	55.5	18.8	13.8	8.6	3.0	2.7	5.3	15.1
JSP*	8,792	19.7	14.9	7.9	8.5	1.9	1.7	9.9	11.8
SAIL*	5,918	25.6	46.6	9.9	9.4	0.9	0.9	3.5	1.9
Japan									_
JFE	9,965	8.8	7.3	7.2	6.0	0.6	0.6	7.4	8.7
Nippon Steel	22,451	5.0	7.6	5.3	6.1	0.8	0.7	17.3	10.3
Kobe Steel	5,312	12.4	6.5	8.5	5.4	0.9	0.8	7.5	11.7
Korea									_
POSCO	25,353	13.2	11.4	5.6	5.3	0.6	0.6	4.7	5.1
Hyundai Steel	3,380	6.3	6.4	5.0	4.5	0.2	0.2	3.7	3.6
US									_
Nucor	42,439	9.7	13.8	6.0	7.8	2.1	1.8	21.7	13.6
US Steel	10,788	11.4	16.8	6.0	6.6	1.0	1.0	9.6	5.8
Steel Dynamics	18,858	7.9	11.4	5.4	7.6	2.1	1.9	28.1	17.4
Europe									_
AM	23,543	6.9	6.2	3.9	4.0	0.4	0.4	6.7	7.0
SSAB	7,328	6.1	9.8	3.0	4.3	1.1	1.0	18.4	11.2
TKA	3,881	21.7	7.6	0.3	0.3	0.3	0.3	0.7	4.0
VOE	5,410	5.0	9.9	2.9	4.1	0.6	0.6	13.8	6.5
China									
Baosteel	18,764	12.2	10.3	5.1	4.6	0.7	0.6	5.4	6.4

MOTILAL OSWAL

Financials and Valuation

Income statement (consolidated)								(INR b)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Net sales	848	726	796	1,464	1,660	1,778	1,963	2,103
Change (%)	20.9	-14.3	9.6	83.9	13.4	7.1	10.4	7.1
Total Expenses	658	615	596	1,074	1,474	1,480	1,579	1,679
EBITDA	190	112	200	390	185	298	384	424
% of Net Sales	22.4	15.4	25.1	26.6	11.2	16.8	19.6	20.2
Depn. & Amortization	40	42	47	60	75	81	93	104
EBIT	149	69	153	330	111	217	291	320
Net Interest	39	43	40	50	69	81	83	85
Other income	2	5	6	15	10	10	5	5
PBT before EO	112	32	119	296	52	147	213	240
EO income		21	1	-7	6	6	0	0
PBT after EO	112	53	120	288	58	152	213	240
Tax	36	12	41	88	15	47	54	60
Rate (%)	32.5	23.7	34.5	30.6	26.2	30.8	25.2	25.2
PAT before MI and Asso.	76	40	79	200	43	106	160	180
Minority interests	1	1	0	-3	0	-1	-1	-1
Share of Associates	0	-1	0	9	-1	-1	-1	-1
Reported PAT after MI and Asso.	76	40	79	207	41	103	158	178
Adj. PAT (after MI & Asso)	76	20	78	214	36	105	158	178
Change (%)	35.5	-74.2	297.8	173.3	-83.4	195.8	50.3	12.6

Balance sheet								(INR b)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Share Capital	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
Reserves	346	364	465	671	655	737	863	1,006
Net Worth	348	366	468	673	657	739	866	1,008
Minority Interest	-5	-6	-6	12	13	16	17	19
Total Loans	638	780	782	717	793	823	783	768
Deferred Tax Liability	38	17	35	76	79	79	79	79
Capital Employed	1,019	1,157	1,278	1,478	1,542	1,657	1,745	1,874
Gross Block	775	811	887	1,300	1,392	1,592	1,792	1,962
Less: Accum. Deprn.	149	191	238	301	348	429	522	626
Net Fixed Assets	626	620	649	999	1,045	1,164	1,271	1,337
Capital WIP	119	272	326	169	222	202	187	187
Investments	18	13	86	49	48	48	48	48
Curr. Assets	385	414	423	748	797	839	851	944
Inventory	145	139	142	338	331	355	403	432
Account Receivables	72	45	45	75	71	76	84	90
Cash and Bank Balance	63	120	128	174	207	221	176	235
Others	105	110	107	161	187	187	187	187
Curr. Liability & Prov.	129	161	205	487	568	596	611	642
Account Payables	59	81	69	309	382	409	425	455
Provisions & Others	69	80	136	178	186	186	186	186
Net Current Assets	256	252	218	261	228	243	240	302
Appl. of Funds	1,019	1,157	1,278	1,478	1,542	1,657	1,745	1,874

MOTILAL OSWAL

Financials and Valuation

Ratios								
Y/E March	FY19	FY20	FY21E	FY22	FY23	FY24E	FY25E	FY26E
Basic (INR)								
EPS	31.8	8.2	32.4	88.6	14.7	43.5	65.4	73.6
Cash EPS	48.3	34.4	51.9	107.7	48.6	77.0	104.6	117.3
BV/Share	145.0	152.5	193.5	278.4	271.8	305.9	358.2	417.1
DPS	3.3	4.1	6.5	17.4	3.4	8.7	13.1	14.7
Payout (%)	10.2	50.0	20.1	19.6	23.1	20.0	20.0	20.0
Valuation (x)								
P/E	25.6	99.4	25.2	9.2	55.5	18.8	12.5	11.1
Cash P/E	16.9	23.7	15.7	7.6	16.8	10.6	7.8	7.0
P/BV	5.6	5.4	4.2	2.9	3.0	2.7	2.3	2.0
EV/Sales	3.0	3.6	3.3	1.7	1.5	1.4	1.3	1.2
EV/EBITDA	13.4	23.5	13.1	6.4	13.8	8.6	6.7	5.9
Dividend Yield (%)	0.4	0.5	0.8	2.1	0.4	1.1	1.6	1.8
Return Ratios (%)	0.4	0.5	0.0	2.1	0.4	1.1	1.0	1.0
EBITDA Margins (%)	22.4	15.4	25.1	26.6	11.2	16.8	19.6	20.2
Net Profit Margins (%)	9.0	2.7	9.8	14.6	2.1	5.9	8.0	8.5
RoE	24.4	5.5	18.7	37.5	5.3	15.1	19.7	19.0
ROCE (pre-tax)	11.0	4.5	8.7	17.4	5.3	9.6	19.7	19.0
RolC (pre-tax)	13.0	5.9			6.9	12.9	15.5	
, ,	13.0	5.9	13.8	24.2	0.9	12.9	15.5	15.7
Working Capital Ratios	4.4	0.0	0.0	4.4	1.3	4.4	4.4	4.4
Fixed Asset Turnover (x)	1.1	0.9	0.9	1.1	1.2	1.1	1.1	1.1
Asset Turnover (x)	0.8	0.6	0.6	1.0	1.1	1.1	1.1	1.1
Debtor (Days)	30.8	22.6	20.6	18.6	15.7	15.7	15.7	15.7
Inventory (Days)	62.6	69.7	65.3	84.3	72.9	72.9	75.0	75.0
Creditors(Days)	25.5	40.8	31.6	77.0	84.0	84.0	79.0	79.0
Working Capital (Days)	67.9	51.5	54.3	25.8	4.5	4.5	11.7	11.7
Leverage Ratio (x)								
Current Ratio	3.0	2.6	2.1	1.5	1.4	1.4	1.4	1.5
Interest Cover Ratio	3.8	1.6	3.9	6.6	1.6	2.7	3.5	3.8
Debt/Equity	1.7	1.8	1.4	0.8	0.9	0.8	0.7	0.5
Ch fl								(INID Is)
Cash flow statement (consolidated)								(INR b)
Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
EBITDA	190	112	200	390	185	298	384	424
Non cash exp. (income)	-1	11	-5	-1	23	0	0	0
(Inc)/Dec in Wkg. Cap.	-16	16	13	-73	31	-1	-41	-4
Tax Paid	-26	-12	-19	-54	-6	-47	-54	-60
CF from Op. Activity	146	128	188	263	233	256	289	359
(Inc)/Dec in FA + CWIP	-102	-128	-93	-100	-147	-180	-185	-170
(Pur)/sale of Invest.	3	1	-3	-1	0	0	0	0
Acquisition in subs.	-14	1	-67	-7	-4	0	0	0
Int. & Dividend Income	2	5	6	6	11	10	5	5
Others	-2	-75	75	-58	33	0	0	0
CF from Inv. Activity	-114	-196	-81	-160	-107	-170	-180	-165
Equity raised/(repaid)	-2	0	0	0	0	0	0	0
Debt raised/(repaid)	67	111	17	-80	51	30	-40	-15
Dividend (incl. tax)	-9	-12	-5	-16	-42	-21	-32	-36
Interest paid	-38	-47	-43	-51	-69	-81	-83	-85
CF from Fin. Activity	18	52	-31	-147	-60	-72	-154	-136
(Inc)/Dec in Cash	49	-16	76	-44	66	14	-44	58
Add: opening Balance	6	56	40	119	88	154	168	123
Regrouping / transaction Adj.	1	0	4	12	0	0	0	0
Closing cash balance	56	40	119	88	154	168	123	182
Bank Balance	7	80	9	86	53	53	53	53
Closing Balance (incl. bank balance)	63	120	128	174	207	221	176	235
crossing balance (incl. balik balance)	03	120	120	1/4	207	221	1/0	233

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

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. 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 (erstwhile Motilal Oswal Securities Limited - MOSL) 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 brokling 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 (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at http://online

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 service transactions. Details of pending Enquiry Proc https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

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.

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") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- MOFSL. Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report
- Research Analyst has not served as director/officer/employee in the subject company MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months 6
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months 8
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 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
- 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

27 January 2024 9 MOTILAL OSWAL JSW Steel

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.

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 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.

Gilevalice Rediessal 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 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 . AMFI: ARN .: 146822. IRDA Corporate Agent - CA0579. 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

am@motilaloswal.com

27 January 2024 10