

Amara Raja

Estimate changes TP change Rating change

Bloomberg	ARENM IN
Equity Shares (m)	183
M.Cap.(INRb)/(USDb)	188.8 / 2.2
52-Week Range (INR)	1776 / 738
1, 6, 12 Rel. Per (%)	-4/-27/11
12M Avg Val (INR M)	1816

Financials & Valuations (INR b)

rinariolais & valuations (new s)									
Y/E March	2025E	2026E	2027E						
Sales	126.0	139.0	153.5						
EBITDA	17.0	18.8	21.2						
Adj. PAT	9.4	10.1	11.8						
EPS (INR)	51.4	55.4	64.4						
EPS Gr. (%)	3.8	7.7	16.4						
BV/Sh. (INR)	417	462	516						
Ratios									
RoE (%)	13.1	12.6	13.2						
RoCE (%)	13.0	12.6	13.4						
Payout (%)	16.1	18.1	17.1						
Valuations									
P/E (x)	20.1	18.6	16.0						
P/BV (x)	2.5	2.2	2.0						
Div. Yield (%)	0.9	1.0	1.1						
FCF yield (%)	5.4	5.2	6.4						

Shareholding pattern (%)

	<u> </u>	•	
As On	Dec-24	Sep-24	Dec-23
Promoter	32.9	32.9	28.1
DII	14.8	15.4	17.9
FII	21.8	22.3	24.0
Others	30.5	29.4	30.0

FII Includes depository receipts

CMP: INR1,032 TP: INR1,120 (+9%) Neutral

High RM prices, power cost adjustment dent profit

Exports and replacement to remain key growth drivers for LAB segment

- Amara Raja's (ARENM) 3QFY25 results missed our estimates as EBITDA and PAT were hit by higher alloy metal costs and a power cost adjustment from the Andhra Pradesh government for FY24. Lead-acid battery (LAB) business grew 9% YoY, with most segments performing well, except for 4W OE and telecom.
- We cut our FY25/FY26 EPS estimates by 6%/7% to factor in provisions related to higher power and other operational costs. The stock at ~18.6x FY26E/16x FY27E EPS appears fairly valued. We, hence, maintain a Neutral rating with a revised TP of INR1,120 (based on 18x Dec'26E EPS).

Margins impacted by rising power costs in the State

- 3QFY25 standalone revenue grew ~10% YoY to INR31.6b (in line), whereas EBITDA/PAT fell 4%/9% YoY to INR4.2b/INR2.3b (est. INR4.5b/INR2.6b). 9MFY25 revenue/EBITDA/PAT grew ~11%/6%/6% YoY.
- The growth momentum was driven by exports, automotive after-markets and UPS segment. LAB contributed 96% of revenue, while the remaining came from the new energy business, including battery packs and chargers. LAB segment grew 9% YoY, driven by strong demand in automotive and industrial applications. In telecom, lithium adoption led to a decline.
- EBITDA margin contracted 200bp YoY/100bp QoQ at 13.1% (est. 14.3%). Operating margins were impacted by 100-120bp due to higher alloy metal costs (tin and antimony) and a power cost adjustment from the Andhra Pradesh government for FY24.
- An exceptional item of INR1.11b was recognized in the P&L, representing the difference between the cumulative amount received and the insurance claim receivable for the tubular battery plant.
- Adj. PAT declined 9% YoY at INR2.3b (est. INR2.6b).

Highlights from the management commentary

- LAB growth is expected to remain steady in the coming quarters. Lithium packs and chargers are projected to grow at least 10% in FY25. Discussions with multiple 2W and 3W OEMs for NMC cells are ongoing, though no new major agreements have been disclosed. The company aims for a steady ramp-up in its lithium cell business after CY27.
- **FY26 outlook:** 4W segment is expected to grow 8-9%, while 2W demand could rise by 11-12%, occasionally reaching 13%. The UPS segment is projected to grow 6-7%, and exports could see 13-14% growth. Total LAB revenue is expected to grow 11-12%.

Research analyst - Aniket Mhatre (Aniket.Mhatre@MotilalOswal.com)

Research analyst - Amber Shukla (Amber.Shukla@MotilalOswal.com)

■ Li-ion plant: The NMC plant's timeline is slightly delayed, with commercial supplies now expected by early CY27 instead of FY27. The LFP plant will commence at least three to four quarters after the NMC plant due to capital equipment gestation and software development requirements.

■ Capex: For FY25, total capex is expected to be around INR10b, with INR3-4b allocated to lead-acid business and INR5-6b to the new energy business. 4W battery capacity utilization is at 85-90%, while 2W is close to 90%. Industrial UPS batteries' utilization is at 85%, whereas LVRLA is lower at 65-70%.

Valuation and view

- ARENM's venture into the lithium-ion business is strategically sound given the opportunities in the segment and risks facing its core business. However, there are notable challenges: 1) market opportunities are limited by existing OEM partnerships; 2) low-margin nature of lithium-ion business is likely to dilute returns; and 3) long-term viability of technology remains uncertain despite the large capital investment.
- While the market is optimistic about ARENM's li-ion initiative, we are cautious about its potential returns. We believe the stock trading at around 18.6x FY26E/16x FY27E EPS appears fairly valued. Therefore, we maintain a Neutral rating with a revised TP of INR1120, based on 18x Dec'26E EPS.

Quarterly Performance Y/E March (INR m)		FY	24			FY2	SE		FY24	FY25E		(INR IV
1/L Waren (IIVIX III)	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE	1124	11232	3QE	(%)
Net Sales	27,707	28,111	28,817	27,967	31,312	31,358	31,640	31,645	1,12,603	1,25,956	31,699	-0.2
YoY Change (%)	5.8	4.1	9.3	14.9	13.0	11.6	9.8	13.2	8.4	11.9	10.0	0.2
RM Cost (% of sales)	69.6	66.6	66.0	65.5	68.9	67.6	66.9	68.0	66.9	67.9	67.5	-60bp
Staff Cost (% of sales)	6.4	6.3	6.3	5.8	5.9	6.1	6.0	6.0	6.2	6.0	6.0	0bp
Other Exp (% of sales)	10.7	12.5	12.6	14.1	11.5	12.2	13.9	12.9	12.5	12.7	12.2	170bp
EBITDA	3,689	4,099	4,349	4,077	4,304	4,407	4,158	4,135	16,214	17,004	4,535	-8.3
Margins (%)	13.3	14.6	15.1	14.6	13.7	14.1	13.1	13.1	14.4	13.5	14.3	-120bp
Depreciation	1,168	1,207	1,202	1,210	1,183	1,220	1,233	1,243	4,787	4,879	1265	-2.5
Interest	76	81	77	97	90	131	107	113	332	440	115	-7.4
Other Income	218	277	238	283	256	185	293	277	1,015	1,010	255	14.7
PBT before EO expense	2,662	3,087	3,307	3,053	3,287	3,240	3,111	3,058	12,110	12,695	3410	-8.8
Extra-Ord expense	0	0	0	0	0	0	-1,111	0	0	0	0	
PBT after EO	2,662	3,087	3,307	3,053	3,287	3,240	4,222	3,058	12,110	12,695	3,410	23.8
Tax	676	823	779	773	841	833	1,103	799	3,052	3,576	852	
Tax Rate (%)	25.4	26.7	23.6	25.3	25.6	25.7	26.1	26.1	25.2	28.2	25.0	
Adj PAT	1,987	2,264	2,528	2,280	2,446	2,407	2,298	2,259	9,059	9,119	2,557	-10.1
YoY Change (%)	51.1	12.0	13.5	29.7	23.1	6.3	-9.1	-0.9	18.4	0.7	1.2	

E: MOFSL Estimates



Key takeaways from the management commentary

- Outlook: LAB growth is expected to remain steady in the coming quarters. Lithium packs and chargers are projected to grow at least 10% in FY25. Discussions with multiple 2W and 3W OEMs for NMC cells are ongoing, though no new major agreements have been disclosed beyond the previously announced deal with Ather Energy. The company aims for a steady ramp-up in its lithium cell business from CY27 onwards.
- > FY26: 4W segment is expected to grow 8-9%, while 2W demand could rise by 11-12%. The UPS segment is projected to grow 6-7%, and exports could see 13-14% growth. Total LAB revenue is expected to grow 11-12% in FY26E.
- Lithium ion Sector headwinds: Challenges include oversupply, pricing pressure, and RM volatility, particularly from China. Given the high capital intensity, the company prefers a calibrated investment strategy, ensuring optimal utilization of capital while adjusting timelines as required.
- **Revenue and growth:** LAB contributed 96% of revenue, while the remaining came from the new energy business, including battery packs and chargers.
- LAB Segmental Performance: 4W aftermarket volume growth stood at 11%, while OEM demand remained muted. 4W exports grew 8-9%, with expectations of a double-digit increase by year-end. 2W aftermarket and OEM volumes grew 16-17%, maintaining momentum. Tubular batteries and home UPS systems saw 15% volume growth. The lubes distribution business generated INR1b in revenue this quarter. The industrial segment witnessed strong growth in UPS and exports, though telecom battery demand declined due to the shift toward lithium ion.
- Segmental Market share in LAB: The company holds a stable 33-34% aftermarket share in 4W batteries and around 35-36% in 2W. Industrial battery market share, combining lead and lithium, stands at 57-58% in telecom and 40-43% in UPS. The OEM 2W segment has a 25% share, with inverter batteries at 10-11% due to limited manufacturing capacity.
- > **Telecom Battery Segment:** It contributed 10-11% of total revenue, with LAB accounting for 9%. Industry revenue growth remains muted due to limited new tower expansion, with demand driven primarily by replacement. The segment witnessed a 25% YoY decline due to the shift to lithium ion based batteries. Despite the low capacity utilization of the plant, profitability impact is limited as this is amongst the oldest plants of the company.
- The company received insurance claims of INR2.75b in lieu of the accident at its tubular battery plant. Given that this is in excess of its book value, company has reported an exceptional gain of INR1.11b in Q3. The new plant is set to resume operations in early FY26.
- The first phase of the recycling plant (50k ton refining capacity) began commercial operations this quarter, with smelting operations expected by 1QFY26.
- Margin and cost pressures: Operating margins were impacted by 100-120bp due to higher alloy metal costs (tin and antimony) and a power cost adjustment from the Andhra Pradesh government for FY24. Higher electricity costs are expected to impact margins by 40-50bp in the next quarter as well. However, increased procurement from renewable sources is expected to reduce power cost pressures from FY26.

- Currency depreciation is another headwind, with INR nearing 87.5-88 per USD, affecting imported lead prices. The company will explore mitigation measures to manage the impact.
- No immediate pricing changes have been made despite currency depreciation. Lead price movement will be monitored, and pricing actions will be taken accordingly.
- New Energy Business: Revenue declined 20% YoY due to changes in OEM demand, but localization of chargers is expected to drive recovery through FY25. The company started commercial deliveries of 2W battery packs and localized portable chargers for 2W and 3W applications.
- Lithium-Ion Plant: The NMC cell plant is expected to commence operations by end-CY26 or early CY27, initially targeting 1GWh capacity, with NMC cell prices at USD70-75/kWh. The LFP plant will commence at least three to four quarters after the NMC plant due to capital equipment gestation and software development requirements. The company remains cautious with its investment approach to avoid capital inefficiencies.
- ➤ The NMC plant at 2GWh will not be EBITDA positive initially. The entire lithium ion capacity utilization needs to reach at least 7-8GWh for low double-digit EBITDA margins. Stabilization will take two to three years, with optimal margins expected at ~85% utilization, subject to demand and plant ramp-up.
- CapEx Plans: For FY25, total CapEx is expected to be around INR10b, with INR3-4b allocated to lead-acid business and INR5-6b to the new energy business.
- 4W battery capacity utilization is at 85-90%, while 2W is close to 90%. Industrial UPS batteries' utilization is at 85%, whereas LVRLA is lower at 65-70%. Efficiency improvements have led to a 5-6% increase in output without significant capex. The upcoming tubular facility with a capacity of 120-130k batteries will support inverter battery demand.

Key exhibits

Exhibit 1: Trend in revenue and growth

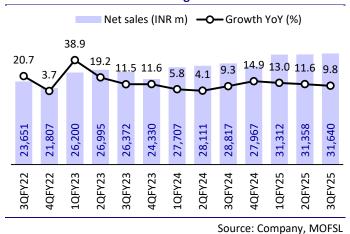
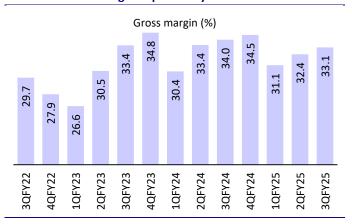
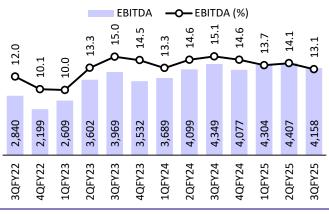


Exhibit 2: Gross margin impacted by RM cost inflation



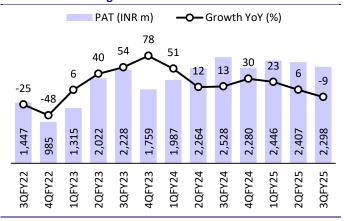
Source: Company, MOFSL

Exhibit 3: Trend in EBITDA and EBITDA margin



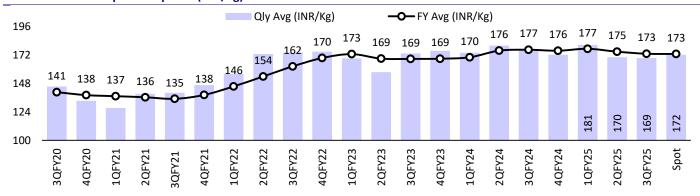
Source: Company, MOFSL

Exhibit 4: PAT and growth trend



Source: Company, MOFSL

Exhibit 5: Trend in spot lead prices (INR/kg)



Source: Bloomberg, MOFSL

Valuation and view

Industry structure remains a duopoly, but ARENM strong in second position: While the industry structure remains largely a duopoly, ARENM has emerged as a formidable challenger to leader EXID, with market leadership in Telecom and UPS segments and fast gaining share in Auto. Over FY14-24, it clocked a CAGR of 13%/9% in net sales/PAT, exceeding EXID's 10%/8% CAGRs. This was driven by a combination of technological innovation (first to introduce maintenance-free, factory-charged, extended-warranty batteries), witty advertising, and a unique distribution model (franchisee-based), supported by operational efficiency-led competitive pricing.

- ARENM to emerge as one of the beneficiaries of steady outlook in LAB: The outlook on both auto and industrial segments remains strong. In the auto segment, strong growth posted by the industry over the last three years is expected to translate into healthy replacement demand in the coming years. The industrial segment is expected to benefit from the surge in demand for power backup for data centers. Thermal power generation is seeing a comeback and should see strong incremental demand with growth visibility for the next 5-6 years. Given its strong position in LAB both in auto and industrial segments, we expect the company to emerge as a beneficiary of the healthy demand outlook in the industry.
- EV transition remains the real risk for LAB in the long run: Transition to electrification globally and in India is emerging as a big risk for LAB players in the long run. The only saving grace for Indian players in the near term is the fact that EV transition is picking up pace currently in 2Ws and 3Ws only and the same in PVs is likely to take a bit longer. However, lithium-ion batteries are now increasingly finding application even in various industrial use cases, including telecom, traction, UPS, etc. This transition is clearly emerging as a significant risk for LAB players like ARENM in the long run.
- Foray into lithium-ion will have its own challenges: Given the significant imminent risk to its core business, the company has forayed into manufacturing of lithium-ion cells in partnership with a Chinese major. The total capex outlay will be INR95b over a 10-year period, which will have an eventual cell manufacturing capacity of 16 GWh. It plans to start with a customer qualification plant having capacity of 2 Gwh initially and get the same approved from key customers. The company is also looking for a partner for cell manufacturing, who could help it set up and stabilize the plant and also help in securing and localizing supply chain. While ARENM can fund the initial couple of years of this project through internal accruals, we expect the company would need to raise funds to finance the remaining project. Further, we think the company's foray into lithium-ion cell manufacturing is likely to see multiple challenges in the coming years, which include: 1) most domestic PV OEMs either have their own lithium-ion manufacturing plans or have existing tie-ups, limiting Amara's potential addressable market in this space; 2) given Amara is setting up a greenfield in this segment without prior experience, we expect its facility to take at least a couple of years to stabilize operations as it goes through its testing and validation phase initially for interested OEMs; 3) since lithium ion cell manufacturing is a low-margin business, we expect this business to be return-dilutive for Amara in the long run, even if this venture is successful; and

- 4) given that it is still not certain if the lithium-ion cell technology will emerge as a sustainable technology in the long run, we think the outcome of this venture remains highly uncertain at this stage, despite the significant capital commitment required.
- Valuations fair; reiterate our Neutral rating: We cut our FY25/FY26 EPS estimates by 6%/7% to factor in provisions related to higher power and other operational costs. While the market is optimistic about ARENM's li-ion initiative, we are cautious about its potential returns. We believe the stock trading at around 18.6xFY26E/16x FY27E EPS appears fairly valued. Therefore, we maintain a Neutral rating with a revised TP of INR1,120, based on 18x Dec'26E EPS.

Exhibit 6: Revisions to our estimates

(INID NA)		FY25E		FY26E			
(INR M)	Rev	Old	Chg (%)	Rev	Old	Chg (%)	
Net Sales	1,25,956	1,25,956	0.0	1,39,010	1,39,058	0.0	
EBITDA (%)	13.5	14.2	-70bp	13.5	14.2	-70bp	
Net Profit	9,407	9,993	-5.9	10,136	10,903	-7.0	
EPS (INR)	51.4	54.6	-5.9	55.4	59.6	-7.0	

Source: MOFSL

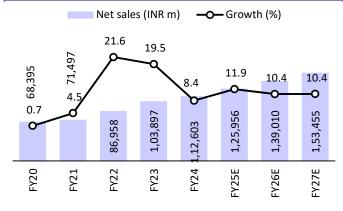
Story in charts

Exhibit 7: Significant addition in 2W capacity



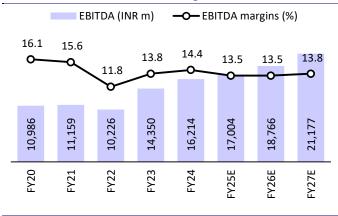
Source: Company, MOFSL

Exhibit 8: Trend in revenue



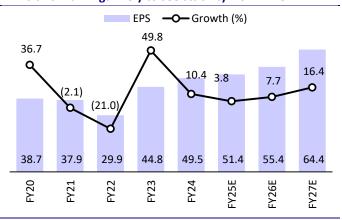
Source: Company, MOFSL

Exhibit 9: EBITDA and EBITDA margin trend



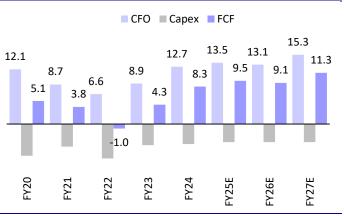
Source: Company, MOFSL

Exhibit 10: Earnings likely to see stability from FY25E



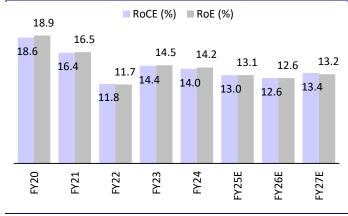
Source: Company, MOFSL

Exhibit 11: Trend in CFO, capex, and FCF



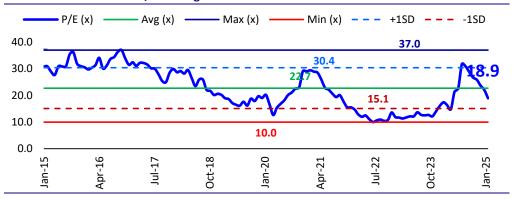
Source: Company, MOFSL

Exhibit 12: Return ratios to remain supressed



Source: Company, MOFSL

Exhibit 13: Valuations – P/E trading bands



Source: Company, MOFSL

Exhibit 14: Valuations – P/B trading bands



Source: Company, MOFSL

MOTILAL OSWAL

Financials and valuations

Standalone - Income Statement								(INR M)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Net Sales	68,395	71,497	86,958	1,03,897	1,12,603	1,25,956	1,39,010	1,53,455
Change (%)	0.7	4.5	21.6	19.5	8.4	11.9	10.4	10.4
Gross operating income	68,395	71,497	86,958	1,03,897	1,12,603	1,25,956	1,39,010	1,53,455
Total Expenditure	57,409	60,338	76,732	89,547	96,389	1,08,952	1,20,243	1,32,279
% of Sales	83.9	84.4	88.2	86.2	85.6	86.5	86.5	86.2
EBITDA	10,986	11,159	10,226	14,350	16,214	17,004	18,766	21,177
Margin (%)	16.1	15.6	11.8	13.8	14.4	13.5	13.5	13.8
Growth	15.4	1.6	-8.4	40.3	13.0	4.9	10.4	12.8
Depreciation	3,007	3,192	3,957	4,504	4,787	4,879	5,416	5,609
EBIT	7,978	7,967	6,269	9,846	11,427	12,125	13,350	15,568
Int. and Finance Charges	122	105	151	296	332	440	550	650
Other Income - Rec.	551	874	780	897	1,015	1,010	750	850
PBT bef. EO Exp.	8,407	8,736	6,898	10,447	12,110	12,695	13,550	15,768
EO Expense/(Income)	0	0	0	477	0	-1,111	0	0
PBT after EO Exp.	8,407	8,736	6,898	9,970	12,110	13,805	13,550	15,768
Current Tax	1,799	2,265	1,786	2,620	3,191	3,589	3,523	4,100
Deferred Tax	0	0	0	43	-140	-14	-108	-126
Tax Rate (%)	21.4	25.9	25.9	26.7	25.2	25.9	25.2	25.2
Reported PAT	6,608	6,470	5,112	7,307	9,059	10,230	10,136	11,794
PAT Adj for EO items	6,608	6,470	5,113	7,656	9,059	9,407	10,136	11,794
Change (%)	36.7	-2.1	-21.0	49.8	18.3	3.8	7.7	16.4

Standalone - Balance Sheet								(INR M)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Equity Share Capital	171	171	171	171	183	183	183	183
Total Reserves	36,385	41,932	45,343	59,886	67,504	76,086	84,392	94,173
Net Worth	36,556	42,103	45,514	60,056	67,687	76,269	84,575	94,356
Deferred Liabilities	441	407	314	1,036	885	871	763	637
Total Loans	343	234	234	2,014	1,527	2,000	2,800	500
Capital Employed	37,341	42,744	46,062	63,106	70,098	79,140	88,138	95,493
Gross Block	29,269	38,628	42,498	57,236	59,035	63,251	67,251	71,251
Less: Accum. Deprn.	10,977	14,081	17,575	20,354	23,532	28,411	33,827	39,436
Net Fixed Assets	18,292	24,548	24,923	36,882	35,503	34,840	33,424	31,815
Capital WIP	8,270	3,993	8,297	2,343	3,217	3,000	3,000	3,000
Total Investments	1,562	2,805	778	4,860	14,791	24,791	33,091	39,991
Curr. Assets, Loans&Adv.	21,882	26,625	29,761	35,288	34,833	36,814	40,366	44,605
Inventory	11,427	14,382	18,038	16,752	18,095	20,015	22,089	24,385
Account Receivables	6,363	7,875	7,926	7,797	10,171	10,698	11,806	13,033
Cash and Bank Balance	326	967	536	998	1,045	1,064	910	1,049
Loans and Advances	3,766	3,401	3,262	9,741	5,522	5,038	5,560	6,138
Curr. Liability & Prov.	12,665	15,227	17,697	16,267	18,245	20,305	21,743	23,918
Account Payables	6,149	7,465	8,065	7,514	8,398	10,007	11,045	12,192
Other Current Liabilities	4,685	5,623	7,177	6,005	6,924	7,557	8,341	9,207
Provisions	1,832	2,140	2,455	2,749	2,923	2,741	2,358	2,519
Net Current Assets	9,217	11,398	12,064	19,021	16,588	16,509	18,622	20,687
Appl. of Funds	37,341	42,744	46,062	63,106	70,098	79,140	88,138	95,493

E: MOFSL Estimates

MOTILAL OSWAL

Financials and valuations

Ratios

Natios								
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Basic (INR)								
EPS	38.7	37.9	29.9	44.8	49.5	51.4	55.4	64.4
Growth	36.7	-2.1	-21.0	49.8	10.4	3.8	7.7	16.4
Cash EPS	56.3	56.6	53.1	71.2	75.7	78.1	85.0	95.1
BV/Share	214.0	246.5	266.5	351.6	369.9	416.8	462.2	515.6
DPS	11.0	11.0	4.5	6.1	10.6	9.6	10.7	11.8
Payout (%)	34.1	29.0	15.0	14.3	20.0	16.1	18.1	17.1
Valuation (x)								
P/E	26.7	27.2	34.5	23.0	20.8	20.1	18.6	16.0
Cash P/E	18.3	18.2	19.4	14.5	13.6	13.2	12.1	10.8
P/BV	4.8	4.2	3.9	2.9	2.8	2.5	2.2	2.0
EV/Sales	2.6	2.5	2.0	1.7	1.6	1.4	1.3	1.1
EV/EBITDA	16.0	15.7	17.2	12.4	10.9	10.4	9.5	8.3
Dividend Yield (%)	1.1	1.1	0.4	0.6	1.0	0.9	1.0	1.1
FCF per share	27.9	17.9	-7.4	28.8	47.8	52.1	49.6	61.6
Return Ratios (%)								
RoE	18.9	16.5	11.7	14.5	14.2	13.1	12.6	13.2
RoCE	18.6	16.4	11.8	14.4	14.0	13.0	12.6	13.4
RoIC	21.6	19.0	13.0	15.8	16.1	17.7	19.7	22.7
Working Capital Ratios								
Inventory (Days)	61.0	73.4	75.7	58.9	58.7	58.0	58.0	58.0
Debtor (Days)	34	40	33	27	33	31	31	31
Creditor (Days)	33	38	34	26	27	29	29	29
Working Capital Turnover (Days)	47	53	48	63	50	45	47	47
Leverage Ratio (x)								
Current Ratio	1.7	1.7	1.7	2.2	1.9	1.8	1.9	1.9
Interest Cover Ratio	65	76	42	33	34	28	24	24
Standalone - Cash Flow Statement								(INR M)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Net P/L Before Tax and E/O Items	8,407	8,733	6,898	10,447	12,110	12,695	13,550	15,768
Depreciation	3,007	3,192	3,957	4,504	4,787	4,879	5,416	5,609
Interest & Finance Charges	122	105	151	-601	-684	-570	-200	-200
				001	004	5,5		_500

Standarone - Cash Flow Statement								(IINK IVI)
Y/E March	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E	FY27E
Net P/L Before Tax and E/O Items	8,407	8,733	6,898	10,447	12,110	12,695	13,550	15,768
Depreciation	3,007	3,192	3,957	4,504	4,787	4,879	5,416	5,609
Interest & Finance Charges	122	105	151	-601	-684	-570	-200	-200
Direct Taxes Paid	2,364	1,995	1,993	2,563	3,289	3,576	3,415	3,973
(Inc)/Dec in WC	2,892	-1,301	-2,406	-2,866	-271	98	-2,267	-1,925
CF from Operations	12,065	8,734	6,607	8,921	12,654	13,526	13,084	15,278
Others	-296	-714	-277	641	488	0	0	0
CF from Operating incl EO	11,769	8,020	6,329	9,562	13,142	13,526	13,084	15,278
(inc)/dec in FA	-6,999	-4,964	-7,598	-4,647	-4,401	-4,000	-4,000	-4,000
Free Cash Flow	4,770	3,056	-1,268	4,915	8,741	9,526	9,084	11,278
(Pur)/Sale of Investments	-14,803	-14,598	-13,440	-27,976	-35,190	10,000	8,300	6,900
Others	13,305	13,212	16,219	24,731	28,871	-8,990	-7,550	-6,050
CF from Investments	-8,497	-6,350	-4,819	-7,892	-10,720	-2,990	-3,250	-3,150
(Inc)/Dec in Debt	-275	-321	-359	-377	-871	459	692	-2,426
Interest Paid	-52	-40	-67	-161	-188	-440	-550	-650
Dividend Paid	-3,311	-854	-1,708	-581	-1,367	-1,647	-1,830	-2,013
CF from Fin. Activity	-3,638	-1,215	-2,135	-1,119	-2,425	-1,628	-1,688	-5,089
Inc/Dec of Cash	-365	455	-624	551	-2	8,908	8,146	7,039
Add: Beginning Balance	2,512	512	967	343	894	892	9,801	17,947
Closing Balance	2,147	967	343	894	892	9,801	17,947	24,986

E: MOFSL Estimates

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

MOTILAL OSWAL

NOTES

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 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. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at 20Associate%20companies.pd

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 alaxy.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

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

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") (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

- 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
- 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
- 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.
- 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.
- Research Analyst has not served as an officer, director or employee of subject company(ies).
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months.
- MOFSL has not received compensation for investment banking /merchant banking/brokerage services from the subject company(ies) in the past 12 months.

13 10 February 2025

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 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.

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

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.