

TATA STEEL

COMPANY UPDATE

KEY DATA

Rating	HOLD
Sector relative	Neutral
Price (INR)	166
12 month price target (INR)	175
52 Week High/Low	187/123
Market cap (INR bn/USD bn)	2,006/22.3
Free float (%)	66.9
Avg. daily value traded (INR mn)	4,341.6

SHAREHOLDING PATTERN

	Sep-25	Jun-25	Mar-25
Promoter	33.19%	33.19%	33.19%
FII	17.78%	17.72%	18.78%
DII	27.09%	26.25%	24.67%
Pledge	21.94%	22.84%	23.36%

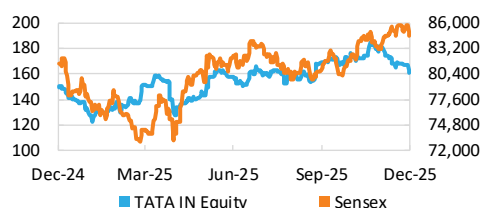
FINANCIALS

	(INR bn)			
Year to March	FY25A	FY26E	FY27E	FY28E
Revenue	2,185.4	2,421.7	2,610.7	2,659.8
EBITDA	253.0	337.4	422.8	434.1
Adjusted profit	42.8	116.4	166.1	173.4
Diluted EPS (INR)	3.4	9.3	13.3	13.9
EPS growth (%)	26.6	172.2	42.7	4.4
RoAE (%)	3.7	11.7	16.1	15.1
P/E (x)	48.6	17.8	12.5	12.0
EV/EBITDA (x)	11.5	8.6	6.8	6.5
Dividend yield (%)	2.2	2.0	2.5	2.6

CHANGE IN ESTIMATES

(INR bn)	Revised estimates		% Revision	
Year to March	FY26E	FY27E	FY26E	FY27E
Revenue	2,422	2,611	-0.5	-1.1
EBITDA	337	423	-4.4	-2.8
Adjusted profit	116	166	-8.4	-4.5
Diluted EPS (INR)	9.3	13.3	-8.5	-4.9

PRICE PERFORMANCE



On course for next phase of expansion

Tata Steel unveiled growth plans wherein it can potentially add ~10mtpa steel capacity in India in phases by FY32, taking capacity to 37mtpa. This will mark its Maharashtra entry to produce crude steel.

Though the company is yet to divulge details on capex, we estimate growth capex of INR950–1,000bn (INR700–750bn in India, ~INR250bn in Europe) to be spent over next six years, assuming all intended plans fall in place. We believe the expansion can be internally funded and net debt is unlikely to rise. We are cutting FY26E/27E EBITDA by 5%/3% amid lower steel prices (still pencilled in INR3,000–3,500/t steel prices hike in Q4FY26). Retain 'HOLD' with a TP of INR175 (earlier INR183) on FY28E SotP. The stock trades at 6.8x/6.5x FY27E/28E EV/EBITDA.

Expanding NINL capacity by 4.8mtpa; commissioning by FY30E

The board has in-principal approved plans to expand capacity at NINL. A 4.8mtpa expansion (long products) will take NINL capacity to 5.8mtpa and the company plans to take it eventually to ~10mtpa. Tata Steel is working on expanding iron ore mine (Koira mine of old regime, having no additional premium, with EC capacity of ~2mtpa and reserves of ~150mt, valid until 2067), which will meet entire needs of NINL. We understand that this expansion is more like greenfield in nature (only land available) wherein Tata has to develop all associated facilities and the first phase typically incurs higher capex. Management informed that detailed capex would be finalised by Mar-26. We estimate that the capex involved shall be INR350–400bn. Once fully ramped-up, it will deliver margins comparable with Kalinganagar.

Planning to foray into Maharashtra, optionality in place

Given lease of all operating iron ore mines (except NINL) of Tata shall be over by FY30, the company is looking at different locations to expand capacities wherein it can have cheap source of consistent iron ore supply. Tata and Lloyds Metals and Energy (LMEL) have signed non-binding MoU wherein Tata is likely to help in setting up LMEL's upcoming steel plants (4.5mtpa flat products) in Gadchiroli, Maharashtra as well as in offtake. Besides, Tata may plan to set up 6mtpa flat steel capacity in two phases (3mtpax 2). The pre-requisite is to ensure long-term iron ore supply security at a reasonable cost for considering it forward. LMEL is likely to mine ~25mtpa in FY27E. Land has been notified and Tata will work on it to secure regulatory clearances. Post this, detailed engineering will be done and capex will be initiated.

Future expansion to be internally funded; no stress on balance sheet

We estimate that upcoming capex is shall be funded via internal accruals and thus net debt is unlikely to increase from Q2FY26 level of INR870bn. We assume capex of INR180bn/INR200bn/INR200bn in FY27E/28E/29E. Assuming a recovery in steel prices, we are factoring in cash flow from operation of INR350–360bn in each of FY26E and FY27E. As a result, net debt is likely to be ~INR747bn at end-FY28E with net debt/EBITDA of 1.7x.

Financial Statements

Income Statement (INR mn)

Year to March	FY25A	FY26E	FY27E	FY28E
Total operating income	21,85,425	24,21,669	26,10,736	26,59,793
Raw Material Cost	9,50,007	10,84,257	11,59,600	11,80,571
Employee costs	2,48,890	2,52,502	2,34,386	2,39,531
Other expenses	5,85,946	5,96,054	6,29,956	6,38,941
EBITDA	2,52,985	3,37,364	4,22,788	4,34,084
Depreciation	1,04,213	1,15,463	1,16,713	1,17,963
Less: Interest expense	73,410	72,210	71,210	70,210
Add: Other income	15,405	13,736	13,936	13,936
Profit before tax	90,767	1,63,427	2,48,802	2,59,848
Prov for tax	52,391	48,951	84,593	88,348
Less: Other adj	(8,546)	(5,520)	0	0
Reported profit	34,205	1,10,864	1,66,117	1,73,408
Less: Excp.item (net)	8,546	5,520	0	0
Adjusted profit	42,752	1,16,384	1,66,117	1,73,408
Diluted shares o/s	12,474	12,474	12,474	12,474
Adjusted diluted EPS	3.4	9.3	13.3	13.9
DPS (INR)	3.6	3.4	4.2	4.3
Tax rate (%)	57.7	30.0	34.0	34.0

Important Ratios (%)

Year to March	FY25A	FY26E	FY27E	FY28E
Free cashflow yield (%)	4.0	5.0	8.5	7.7
EBITDA margin (%)	11.6	13.9	16.2	16.3
Net profit margin (%)	2.0	4.8	6.4	6.5
Revenue growth (% YoY)	(4.6)	10.9	7.8	1.9
EBITDA growth (% YoY)	13.4	33.4	25.3	2.7
Adj. profit growth (%)	26.6	172.2	42.7	4.4

Assumptions (%)

Year to March	FY25A	FY26E	FY27E	FY28E
GDP (YoY %)	6.0	6.2	6.2	6.2
Repo rate (%)	6.0	5.0	5.0	5.0
USD/INR (average)	84.5	88.0	89.0	89.0
India: Sales volume (mt)	20.9	22.4	24.6	25.3
India: Realisation/t (INR)	61,750	61,050	62,850	63,050
India: EBITDA/t (INR)	13,307	14,238	15,229	15,254
TSE- Sales volume (mt)	8.8	8.8	8.8	8.8
TSE-EBITDA (USD/t)	(45.0)	7.6	45.4	45.4
Net debt/EBITDA(x)	3.3	2.5	1.9	1.7

Valuation Metrics

Year to March	FY25A	FY26E	FY27E	FY28E
Diluted P/E (x)	48.6	17.8	12.5	12.0
Price/BV (x)	2.3	2.1	1.9	1.7
EV/EBITDA (x)	11.5	8.6	6.8	6.5
Dividend yield (%)	2.2	2.0	2.5	2.6

Source: Company and Nuvama estimates

Balance Sheet (INR mn)

Year to March	FY25A	FY26E	FY27E	FY28E
Share capital	12,474	12,474	12,474	12,474
Reserves	8,99,222	9,66,103	10,78,221	11,95,564
Shareholders funds	9,11,696	9,78,578	10,90,696	12,08,038
Minority interest	1,832	1,832	1,832	1,832
Borrowings	9,48,011	9,48,011	9,48,011	9,48,011
Trade payables	2,93,144	3,22,953	3,48,200	3,54,786
Other liabs & prov	4,97,928	4,86,095	5,07,937	5,13,634
Total liabilities	27,93,948	28,88,212	30,54,875	31,86,445
Net block	13,33,031	13,07,568	12,40,855	11,92,891
Intangible assets	1,86,314	1,86,314	1,86,314	1,86,314
Capital WIP	4,06,019	4,66,019	5,96,019	7,26,019
Total fixed assets	19,25,364	19,59,901	20,23,188	21,05,224
Non current inv	57,515	57,515	57,515	57,515
Cash/cash equivalent	1,20,896	1,11,432	1,64,405	2,00,792
Sundry debtors	52,601	58,356	62,918	64,108
Loans & advances	18,340	18,340	18,340	18,340
Other assets	4,92,079	5,52,052	5,95,147	6,06,389
Total assets	27,93,948	28,88,212	30,54,875	31,86,445

Free Cash Flow (INR mn)

Year to March	FY25A	FY26E	FY27E	FY28E
PBT	84,129	1,57,907	2,48,802	2,59,848
Add: Depreciation	1,04,213	1,15,463	1,16,713	1,17,963
Interest (net of tax)	63,038	72,210	71,210	70,210
Others	(12,090)	0	0	0
Less: Changes in WC	22,070	(41,809)	4,142	1,081
Operating cash flow	2,35,118	2,54,819	3,56,274	3,60,753
Less: Capex	(1,51,566)	(1,50,000)	(1,80,000)	(2,00,000)
Free cash flow	83,552	1,04,819	1,76,274	1,60,753

Key Ratios

Year to March	FY25A	FY26E	FY27E	FY28E
RoE (%)	3.7	11.7	16.1	15.1
RoCE (%)	8.9	12.4	16.1	15.7
Inventory days	78	71	73	75
Receivable days	10	8	8	9
Payable days	54	46	47	48
Working cap (% sales)	(3.9)	(1.5)	(1.4)	(1.3)
Gross debt/equity (x)	1.0	1.0	0.9	0.8
Net debt/equity (x)	0.9	0.9	0.7	0.6
Interest coverage (x)	2.0	3.1	4.3	4.5

Valuation Drivers

Year to March	FY25A	FY26E	FY27E	FY28E
EPS growth (%)	26.6	172.2	42.7	4.4
RoE (%)	3.7	11.7	16.1	15.1
EBITDA growth (%)	13.4	33.4	25.3	2.7
Payout ratio (%)	131.3	38.0	31.4	31.2

Various expansion projects announced...

- **NINL, Odisha** – Tata is working on increasing crude steel capacity by 4.8mtpa to 5.8mtpa by FY30E; further scaling-up its long product portfolio. Environment clearance is likely to be received by Jan-26. Detailed engineering work is in the final leg and post receiving final approval from Board, it is likely to start capex on it. It will take three–four years (i.e. FY30E) to commission the plant. This is more of greenfield project (only land available). Overall, it plans to expand the capacity to 10mtpa. This will house 2x1mtpa rebar mills, 0.5mtpa rebar and coil mill and balance wire rods mill.
- **Jamshedpur, Jharkhand** – After working on Hisarna technology, for a decade and attaining success at Ijmuiden plant in Netherlands, it plans to introduce it in India by setting-up 1mtpa capacity on this platform at Jamshedpur, Jharkhand. Using this technology, Tata will not need to incur capex on sinter plant, pellet plant and coke plant. It is flexible to use inferior quality of iron ore, eliminates usage of coke and uses steel slag in its process. As per management, the CoP/t is ~INR3,000/t lower compared with producing steel via the BF route. The estimated capex for this project is INR25–INR30bn.
- **Meramandali, Odisha** – Currently, Tata has excess 1.5mtpa of slab capacity at Kalinganagar, which it sends to UK for further processing into hot rolled products. However, once 3mtpa EAF capacity is commissioned (by end-FY28E), it will not need to send slabs to UK. Furthermore, the realigning of one of the furnaces is due at Meramandali unit and post completion, it will increase crude steel capacity by 1mtpa to 6.6mtpa by FY29E. Hence, it is planning further value addition by installing 2.5mtpa finished steel capacity for thinner gauge products (thin slab caster) by FY29E.
- **Tarapur, Maharashtra** – Setting up ‘first of its kind’ in India a hot rolled pickling and galvanising line of 0.7mtpa. It will help import substitution and meet automotive customers requirement
- **Foray into Maharashtra:** Tata and Lloyds Metals and Energy (LMEL) have signed non-binding MoU wherein Tata is likely to help in setting up LMEL’s upcoming steel plants (4.5mtpa flat products) in Gadchiroli, Maharashtra, may help to run the plant as well as can sell the products. It can work with LMEL in future mining and infra projects in JV. Besides, Tata may plan to set up 6mtpa flat steel capacity in two phases (3mtpax 2) on its own. The pre-requisite is to ensure long-term iron ore supply security at a reasonable cost for considering it forward. LMEL is likely to mine ~25mtpa in FY27E. Land has been notified (non-forest land, so does not require R&R activities) and Tata will work on securing regulatory clearances. Post this, detailed engineering will be done and capex will be initiated.

Exhibit 1: Snapshot of expansion projects announced

Particulars	Location	Product	mtpa
Capacity expansion	NINL (Kalinganagar, Odisha)	Crude Steel	4.8
Capacity expansion using Hisarna technology	Jamshedpur, Jharkhand	Crude Steel	1.0
Greenfield steel capacity in phases (3*2)	Maharashtra	Crude Steel	6.0
Post BF relining will expand capacity	Meramandali (Odisha)	Crude Steel	1.0
Capacity expansion for thinner gauge products	Meramandali (Odisha)	Finished Steel	2.5
Hot rolled pickling and galvanizing line	Tarapur, Maharashtra	Finished Steel	0.7
Acquisition of 50.01% stake in Thriveni Pellets Pvt Limited	Jajpur, Odisha	Pellet	4.0

Source: Nuvama Research, Company

Exhibit 2: Tata's steel capacity likely to increase to ~37mtpa by FY31

(mtpa)	Current capacity	capacity addition	Total capacity	Remarks
Jamshedpur	11.0	1.0	12.0	Using Hisarna Technology
Kalinganagar	8.0		8.0	
Meramandali	5.6	1.0	6.6	debottlenecking in FY29 (post relining of furnaces)
NINL	1.0	4.8	5.8	Expansion in long product portfolio, in FY30E
Gamharia	1.0		1.0	
Ludhiana	0.0	0.8	0.8	EAF capacity expected to commission by FY27E-end
Maharashtra	0.0	3.0	3.0	to develop greenfield steel capacity in phases (3mtpa*2)
Total	26.6	10.6	37.2	

Source: Company, Nuvama Research

- **Kalinganagar, Odisha (4mtpa pellet plant)** – It is in the process of acquiring 50.01% stake in Thriveni Pellets Private Limited (TPPL) subject to regulatory approvals. It in turn owns Brahmani Pellet Limited, which operates 4mtpa pellet plant at Jajpur, Odisha along with 212km slurry pipeline connected to beneficiation plant at Barbil, Odisha. This facility is in close proximity to Kalinganagar and NINL steel plant. The acquisition cost is INR6.36bn (at 1x Book value) for 50.01% stake. It is lower than replacement cost and saves time cost as well. As per management, payback period is a year. This will supplement existing 6mtpa pellet plant over there.
- However, we observe that it is at ~28% premium compared with similar acquisition made by Lloyd Metals two months in same company.

Exhibit 3: Tata to pay ~28% higher value vis-à-vis Lloyds Metals to acquire stake in TPPL

Date	Companies	Stake (%)	Consideration (INR mn)	Implied value- 100% basis (INR mn)	Remarks
10-Dec-25	Tata Steel	50.01	6,360	12,717	Cash
21-Oct-25	Lloyds Metals	49.99	4,960	9,922	Mix of preferential equity allotment of INR 2.86 bn (1.957mn shares of Lloyds @INR1460.5/sh) and cash of INR 2.1bn

Source: Company, Nuvama Research

Exhibit 4: Estimated capex can be done through internal accruals

Location	Capacity	Estimated capex (INR bn)
NINL, Odisha	4.8	350-400
Hisarna, Jamshedpur	1.0	30
Debottlenecking (Meramandali, Odisha)	1.0	10
Maharashtra	3.0	250
Others downstream projects		50
India- Total		700-750
Europe		
UK	3.0	90
Netherlands	3.5	160
Europe- Total		250
Total Tata Steel growth capex*		950-1000

Source: Company, Nuvama Research, ***Above are our estimates, TATA Steel has not provided capex details yet**

Exhibit 5: Key assumptions

Particulars	FY23	FY24	FY25	FY26E	FY27E	FY28E
Average exchange rate (USD/INR)	81.0	83.0	84.5	88.0	89.0	89.0
India: Sales volume (mt)	18.7	19.9	20.9	22.4	24.6	25.3
India: Realisation/t (INR)	74,095	68,953	61,750	61,050	62,850	63,050
India: EBITDA/t (INR)	14,998	15,062	13,307	14,238	15,229	15,254
TSE- Sales volume (mt)	8.2	8.1	8.8	8.8	8.8	8.8
TSE-EBITDA (USD/t)	70	-114	-45	8	45	45
Net debt/EBITDA(x)	2.3	3.6	3.3	2.5	1.9	1.7

Source: Company, Nuvama Research

Exhibit 6: Change in estimates

Old			New		Variance (%)	
INR mn	FY26E	FY27E	FY26E	FY27E	FY26E	FY27E
Exchange rate (Rs/USD)	87.5	87.5	88.0	89.0	0.6	1.7
Standalone						
Sales volume(mt)	22.4	24.6	22.4	24.6	0.0	0.0
Realisation (INR/t)	61,750	63,250	61,050	62,850	-1.1	-0.6
Revenue	14,00,812	15,73,576	13,84,125	15,63,732	-1.2	-0.6
EBITDA	3,32,761	3,82,795	3,19,078	3,74,778	-4.1	-2.1
EBITDA/t (INR)	14,849	15,554	14,238	15,229	-4.1	-2.1
PAT	1,78,533	2,14,362	1,68,298	2,08,365	-5.7	-2.8
EPS (INR/share)	14.3	17.2	13.5	16.7	-5.7	-2.8
Tata Steel Europe						
Sales volume (mt)	8.8	9.2	8.8	8.8	0.0	-4.3
EBITDA	8,131	39,951	5,854	35,539	-28.0	-11.0
EBITDA/t (USD)	11	50	8	45	-28.4	-8.6
Consolidated						
Revenue	24,35,152	26,40,467	24,21,669	26,10,736	-0.6	-1.1
EBITDA	3,53,304	4,35,158	3,37,364	4,22,788	-4.5	-2.8
PAT	1,21,863	1,74,281	1,10,864	1,66,117	-9.0	-4.7
EPS (INR/share)	9.8	14.0	8.9	13.3	-9.0	-4.7

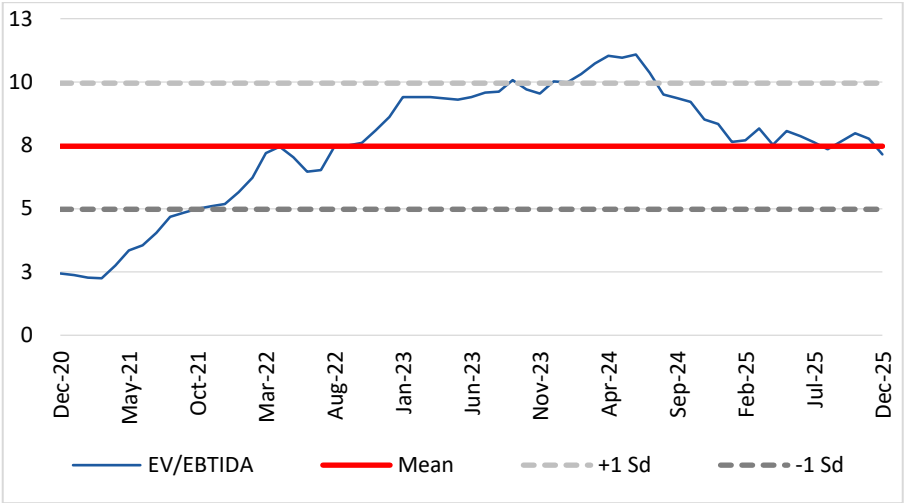
Source: Company, Nuvama Research

Exhibit 7: SotP valuation

Particulars (INR mn)	FY28E EBITDA	Multiple (x)	Value
Tata Steel-India	3,86,074	7.0	27,02,516
Tata Steel-Europe	35,539	5.0	1,77,697
Others	12,471	5.0	62,355
Total EV			29,42,568
Average net debt			7,65,412
Mkt-cap			21,77,157
No. of shares			12,474
TP (INR/share)			175

Source: Company, Nuvama Research

Exhibit 8: On 1Y forward EV/EBITDA, Tata trading at five-year average



Source: Company, Nuvama Research

Company Description

Tata Steel is one of the largest steel producer in India with installed capacity of ~26.6mtpa in India and ~7mtpa in Europe. It is 100% integrated in iron ore and satisfies 15-20% of coking coal requirement captively in India. In Europe, it procures iron ore and coking coal from market. In India, the product portfolio comprises of ~80% flats and 20% longs. TATA is focussing on India and it aims to increase India steel capacity to ~37mtpa by (FY31).

Investment Theme

We expect EBITDA/t for domestic operations to average at ~INR15,250/t for FY27E and FY28E (FY13-22 average was INR14,448/t). In case of Tata steel Europe, turnaround from losses to breakeven in UK business is expected by Q2FY27 supported by lower fixed cost initiatives and improved steel prices while Netherland profitability to improve. Overall, we expect Europe to remain in black in FY26.

Key Risks

- Global recession leading to lower demand in India, thereby impacting volume
- Higher-than-expected fall in steel prices; No imposition of 12% safeguard duty on flat product imports (earlier imposed for 200 days in April-25 until 6th Nov25)
- Continuous fall in real estate demand in China
- Higher steel exports from China
- Demand destruction in Europe and thus compression in European spread

Additional Data

Management

Emeritus Chairman	Ratan Tata
Chairman	N. Chandrasekaran
CEO & MD	T.V. Narendran
CFO	Koushik Chatterjee
Auditor	PwC CA LLP

Holdings – Top 10*

% Holding		% Holding	
LIC	7.96	ICICI pru	1.80
SBI Funds	4.84	FMR	1.12
Vanguard	2.81	UTI AMC	1.23
HDFC AMC	2.23	Nippon AMC	0.99
Blackrock	2.23	Mirae Asset	0.81

*Latest public data

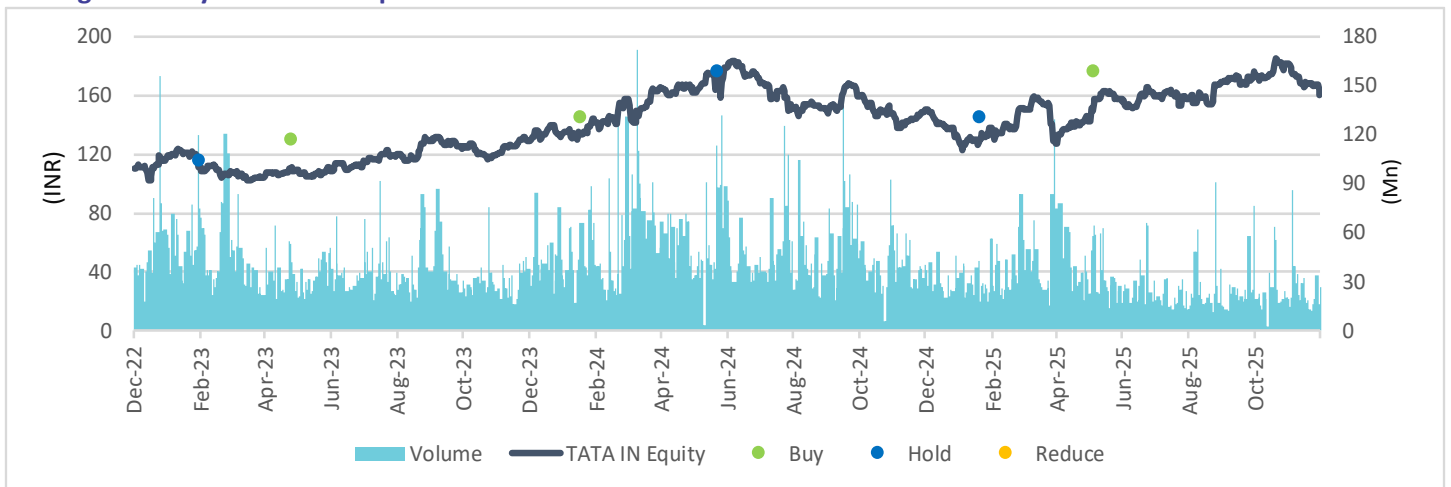
Recent Company Research

Date	Title	Price	Reco
13-Nov-25	Price weakness to hurt profits; <i>Result Update</i>	176	Hold
31-Jul-25	Europe EBITDA positive again; India in c; <i>Result Update</i>	158	Buy
13-May-25	India stands firm; Europe to recover; <i>Result Update</i>	149	Buy

Recent Sector Research

Date	Name of Co./Sector	Title
03-Dec-25	JSW Steel	BPSL monetisation to drive deleveraging; <i>Company Update</i>
20-Nov-25	Vedanta	A play on 3Ds; <i>Company Update</i>
17-Nov-25	GMDC	Tepid earnings; too much optimism priced; <i>Result Update</i>

Rating and Daily Volume Interpretation



Source: Bloomberg, Nuvama research

Rating Rationale & Distribution: Nuvama Research

Rating	Expected absolute returns over 12 months	Rating Distribution
Buy	15%	207
Hold	<15% and >-5%	69
Reduce	<-5%	35

DISCLAIMER

Nuvama Wealth Management Limited (defined as “NWML” or “Research Entity”) a company duly incorporated under the Companies Act, 1956 (CIN No L67110MH1993PLC344634) having its Registered office situated at 801- 804, Wing A, Building No. 3, Inspire BKC, G Block, Bandra Kurla Complex, Bandra East, Mumbai – 400 051 is regulated by the Securities and Exchange Board of India (“SEBI”) and is licensed to carry on the business of broking, Investment Adviser, Research Analyst and other related activities. Name of Compliance officer: Mr. Abhijit Talekar, E-mail address: researchcompliance@nuvama.com Contact details +91 9004510449 Investor Grievance e-mail address- grievance.nwm@nuvama.com

This Report has been prepared by NWML in the capacity of a Research Analyst having SEBI Registration No. INH000011316 and Enlistment no. 5723 with BSE and distributed as per SEBI (Research Analysts) Regulations 2014. This report does not constitute an offer or solicitation for the purchase or sale of any financial instrument or as an official confirmation of any transaction. Securities as defined in clause (h) of section 2 of the Securities Contracts (Regulation) Act, 1956 includes Financial Instruments and Currency Derivatives. The information contained herein is from publicly available data or other sources believed to be reliable. This report is provided for assistance only and is not intended to be and must not alone be taken as the basis for an investment decision. The user assumes the entire risk of any use made of this information. Each recipient of this report should make such investigation as it deems necessary to arrive at an independent evaluation of an investment in Securities referred to in this document (including the merits and risks involved), and should consult his own advisors to determine the merits and risks of such investment. The investment discussed or views expressed may not be suitable for all investors.

This information is strictly confidential and is being furnished to you solely for your information. This information should not be reproduced or redistributed or passed on directly or indirectly in any form 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 NWML and associates, subsidiaries / group companies to any registration or licensing requirements within such jurisdiction. The distribution of this report in certain jurisdictions may be restricted by law, and persons in whose possession this report comes, should observe, any such restrictions. The information given in this report is as of the date of this report and there can be no assurance that future results or events will be consistent with this information. This information is subject to change without any prior notice. NWML reserves the right to make modifications and alterations to this statement as may be required from time to time. NWML or any of its associates / group companies shall not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. NWML is committed to providing independent and transparent recommendation to its clients. Neither NWML nor any of its associates, group companies, directors, employees, agents or representatives shall be liable for any damages whether direct, indirect, special or consequential including loss of revenue or lost profits that may arise from or in connection with the use of the information. Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein. Past performance is not necessarily a guide to future performance. The disclosures of interest statements incorporated in this report are provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. The information provided in these reports remains, unless otherwise stated, the copyright of NWML. All layout, design, original artwork, concepts and other Intellectual Properties, remains the property and copyright of NWML and may not be used in any form or for any purpose whatsoever by any party without the express written permission of the copyright holders.

NWML shall not be liable for any delay or any other interruption which may occur in presenting the data due to any reason including network (Internet) reasons or snags in the system, break down of the system or any other equipment, server breakdown, maintenance shutdown, breakdown of communication services or inability of the NWML to present the data. In no event shall NWML be liable for any damages, including without limitation direct or indirect, special, incidental, or consequential damages, losses or expenses arising in connection with the data presented by the NWML through this report.

We offer our research services to clients as well as our prospects. Though this report is disseminated to all the customers simultaneously, not all customers may receive this report at the same time. We will not treat recipients other than intended recipients as customers by virtue of their receiving this report.

NWML and its associates, officer, directors, and employees, research analyst (including relatives) worldwide may: (a) from time to time, have long or short positions in, and buy or sell the Securities, mentioned herein or (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 subject company/company(ies) discussed herein or act as advisor or lender/borrower to such company(ies) or have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of publication of research report or at the time of public appearance. (c) NWML may have proprietary long/short position in the above mentioned scrip(s) and therefore should be considered as interested. (d) The views provided herein are general in nature and do not consider risk appetite or investment objective of any particular investor; readers are requested to take independent professional advice before investing. This should not be construed as invitation or solicitation to do business with NWML

NWML or its associates may have received compensation from the subject company in the past 12 months. NWML or its associates may have managed or co-managed public offering of securities for the subject company in the past 12 months. NWML or its associates may have received compensation for investment banking or merchant banking or brokerage services from the subject company in the past 12 months. NWML or its associates may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months. NWML or its associates have not received any compensation or other benefits from the Subject Company or third party in connection with the research report. Research analyst or his/her relative or NWML's associates may have financial interest in the subject company. NWML and/or its Group Companies, their Directors, affiliates and/or employees may have interests/ positions, financial or otherwise in the Securities/Currencies and other investment products mentioned in this report. NWML, its associates, research analyst and his/her relative may have other potential/material conflict of interest with respect to any recommendation and related information and opinions at the time of publication of research report or at the time of public appearance.

Participants in foreign exchange transactions may incur risks arising from several factors, including the following: (i) exchange rates can be volatile and are subject to large fluctuations; (ii) the value of currencies may be affected by numerous market factors, including world and national economic, political and regulatory events, events in equity and debt markets and changes in interest rates; and (iii) currencies may be subject to devaluation or government imposed exchange controls which could affect the value of the currency. Investors in securities such as ADRs and Currency Derivatives, whose values are affected by the currency of an underlying security, effectively assume currency risk.

Research analyst has served as an officer, director or employee of subject Company in the last 12 month period ending on the last day of the month immediately preceding the date of publication of the Report.: No

NWML has financial interest in the subject companies: No

NWML's Associates may have actual / beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of research report.

Research analyst or his/her relative may have actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of research report

NWML has actual/beneficial ownership of 1% or more securities of the subject company at the end of the month immediately preceding the date of publication of research report: No

Subject company may have been client during twelve months preceding the date of distribution of the research report.

There were no instances of non-compliance by NWML on any matter related to the capital markets, resulting in significant and material disciplinary action during the last three years. A graph of daily closing prices of the securities is also available at www.nseindia.com

Artificial Intelligence (“AI”) tools may have been used (i) during the information gathering stage for compiling or collating the data from-(a) publicly available data sources; (b) databases to which NWML subscribes; and (c) internally generated research data, and/or (ii) for compiling summaries of the report.

Analyst Certification:

The analyst for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

Additional Disclaimers

Disclaimer for U.S. Persons

This research report is a product of NWML, which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by NWML only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, NWML has entered into an agreement with a U.S. registered broker-dealer, Nuvama Financial Services Inc. (formerly Edelweiss Financial Services Inc.) ("NFSI"). Transactions in securities discussed in this research report should be effected through NFSI.

Disclaimer for U.K. Persons

The contents of this research report have not been approved by an authorised person within the meaning of the Financial Services and Markets Act 2000 ("FSMA").

In the United Kingdom, this research report is being distributed only to and is directed only at (a) persons who have professional experience in matters relating to investments falling within Article 19(5) of the FSMA (Financial Promotion) Order 2005 (the "Order"); (b) persons falling within Article 49(2)(a) to (d) of the Order (including high net worth companies and unincorporated associations); and (c) any other persons to whom it may otherwise lawfully be communicated (all such persons together being referred to as "relevant persons").

This research report must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this research report relates is available only to relevant persons and will be engaged in only with relevant persons. Any person who is not a relevant person should not act or rely on this research report or any of its contents. This research report must not be distributed, published, reproduced or disclosed (in whole or in part) by recipients to any other person.

Disclaimer for Canadian Persons

This research report is a product of NWML, which is the employer of the research analysts who have prepared the research report. The research analysts preparing the research report are resident outside the Canada and are not associated persons of any Canadian registered adviser and/or dealer and, therefore, the analysts are not subject to supervision by a Canadian registered adviser and/or dealer, and are not required to satisfy the regulatory licensing requirements of the Ontario Securities Commission, other Canadian provincial securities regulators, the Investment Industry Regulatory Organization of Canada and are not required to otherwise comply with Canadian rules or regulations regarding, among other things, the research analysts' business or relationship with a subject company or trading of securities by a research analyst.

This report is intended for distribution by NWML only to "Permitted Clients" (as defined in National Instrument 31-103 ("NI 31-103")) who are resident in the Province of Ontario, Canada (an "Ontario Permitted Client"). If the recipient of this report is not an Ontario Permitted Client, as specified above, then the recipient should not act upon this report and should return the report to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any Canadian person.

NWML is relying on an exemption from the adviser and/or dealer registration requirements under NI 31-103 available to certain international advisers and/or dealers. Please be advised that (i) NWML is not registered in the Province of Ontario to trade in securities nor is it registered in the Province of Ontario to provide advice with respect to securities; (ii) NWML's head office or principal place of business is located in India; (iii) all or substantially all of NWML's assets may be situated outside of Canada; (iv) there may be difficulty enforcing legal rights against NWML because of the above; and (v) the name and address of the NWML's agent for service of process in the Province of Ontario is: Bamac Services Inc., 181 Bay Street, Suite 2100, Toronto, Ontario M5J 2T3 Canada.

Disclaimer for Singapore Persons

In Singapore, this report is being distributed by Nuvama Investment Advisors Private Limited (NIAPL) (Previously Edelweiss Investment Advisors Private Limited ("EIAPL")) (Co. Reg. No. 201016306H) which is a holder of a capital markets services license and an exempt financial adviser in Singapore and (ii) solely to persons who qualify as "institutional investors" or "accredited investors" as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Pursuant to regulations 33, 34, 35 and 36 of the Financial Advisers Regulations ("FAR"), sections 25, 27 and 36 of the Financial Advisers Act, Chapter 110 of Singapore shall not apply to NIAPL when providing any financial advisory services to an accredited investor (as defined in regulation 36 of the FAR. Persons in Singapore should contact NIAPL in respect of any matter arising from, or in connection with this publication/communication. This report is not suitable for private investors.

Disclaimer for Hong Kong persons

This report is distributed in Hong Kong by Nuvama Investment Advisors (Hong Kong) Private Limited (NIAHK) (Previously Edelweiss Securities (Hong Kong) Private Limited (ESHK)), a licensed corporation (BOM -874) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to Section 116(1) of the Securities and Futures Ordinance "SFO". 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 report also does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of any individual recipients. The Indian Analyst(s) who compile this report is/are not located in Hong Kong and is/are not licensed to carry on regulated activities in Hong Kong and does not / do not hold themselves out as being able to do so.

INVESTMENT IN SECURITIES MARKET ARE SUBJECT TO MARKET RISKS. READ ALL THE RELATED DOCUMENTS CAREFULLY BEFORE INVESTING. REGISTRATION GRANTED BY SEBI, MEMBERSHIP OF RAASB AND CERTIFICATION FROM NISM IN NO WAY GUARANTEE PERFORMANCE OF NWML OR PROVIDE ANY ASSURANCE OF RETURNS TO INVESTORS AND CLIENTS.

Abneesh Roy

Head of Research Committee

Abneesh.Roy@nuvama.com