

April 27, 2025

RESULT REPORT Q4 FY25 | Sector: Metals and Mining

Hindustan Zinc Ltd

Near-term headwinds persist; outlook remains positive in the long-term; maintain BUY!

Results Synopsis

Hindustan Zinc's Q4FY25 performance was above the consensus estimates on the back of increasing refined metal volumes, falling Zinc CoP clubbed with higher silver prices leading to a better EBITDA margin profile. EBITDA margins for Q4FY25 and FY25 stood at 52.9% and 50.9% respectively. FY25 has reported strong earnings growth primarily on the back of higher metal volumes and improving pricing for zinc and silver. LME Zinc prices saw a 16% jump over FY24 and while LME Lead recorded a 4% fall, silver prices offset the same with a 29% jump during the same period.

HZ also announced its guidance for FY26E on the operational front and the volumes for Silver was the highlight of the same. The company announced a 700-710 tons of production target for FY26E which is about 5-6% below the volumes achieved during FY24. We see that the lower volumes will more likely be offset by the expected increase in the silver prices over the course of the next two fiscals.

Our View

Debottlenecking activities to help refined metal production; however, silver volumes seen to take a hit as compared to FY24 levels

Since our initiation on HZ in January 2025, the global industry has witnessed major volatility owing to – Mr. Trump's tariff announcements, global trade wars etc. These events have caused a stir in the base metal prices since the start of April 2025. Zinc prices have dropped c.8.0% from Q4FY25 levels whereas lead prices have fallen by c.4.5% during the same period. Silver prices however continue to see an upward trend as the commodity faces supply side constraints and increased usage in industrial segments. The price volatility is expected to persist during H1FY26 however we see the prices to recover as both zinc and silver are expected to be in supply deficit zones owing to lack of new projects and falling ore grades.

Valuation

We project Revenue/EBITDA growth for Hindustan Zinc Ltd at a CAGR of 9%/13% over FY25-27E. We continue to value the company at 11x FY27E EV/EBITDA multiple to arrive at our unchanged target price of Rs 565/share.

We continue to remain positive on the company's growth potential despite the near-term headwinds on the pricing front. We have cut our estimates for FY26E primarily to account for the lower pricing expected for both zinc and lead during H1FY26 as the dust from the uncertainties surrounding the tariff regimes and trade wars settle down. We have also made downward revisions for the silver volumes for both FY26E and FY27E, however, our pricing estimates have seen an upward revision for the same thereby offsetting any potential run-down in profitability from the segment.

Exhibit 1: Actuals vs Estimates

Rs mn	Actuals	Estimates		% Variation		Remarks
		YES Sec	Consensus	YES Sec	Consensus	
Revenue	90,410	85,352	84,968	5.9%	6.4%	Increasing volumes for refined metal & higher silver prices lead the show.
EBITDA	47,830	43,718	43,752	9.4%	9.3%	
EBITDA margins	52.9%	51.2%	51.5%	170bps	140bps	
PAT	29,760	25,158	25,220	18.3%	18.0%	

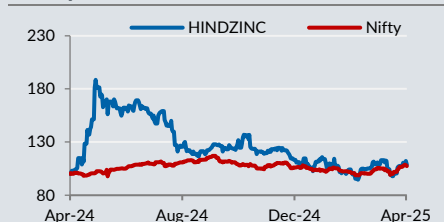
Source: YES Sec

Reco	: BUY
CMP	: Rs 445
Target Price	: Rs 565
Potential Upside	: +27%

Stock data (as on Apr 25, 2025)

Nifty	24,039
52 Week h/l (Rs)	808 / 378
Market cap (Rs/USD mn)	1940900 / 22732
Outstanding Shares (mn)	4,225
6m Avg t/o (Rs mn):	894
Div yield (%):	3.2
Bloomberg code:	HZ IN
NSE code:	HINDZINC

Stock performance



	1M	3M	1Y
Absolute return	0.6%	-4.6%	5.6%

Shareholding pattern (As of Dec'24 end)

Promoter	63.4%
FII+DII	33.4%
Others	3.2%

Δ in estimates

FY26E	New	Old
EBITDA	184,016	215,021
FY27E	New	Old
EBITDA	222,965	226,905

Δ in stance

(1-Yr)	New	Old
Rating	BUY	BUY
Target Price	565	565

Financial Summary

(Rs mn)	FY25A	FY26E	FY27E
Revenue	339,690	351,679	400,824
YoY (%)	17.4	3.5	14.0
EBIDTA	172,960	184,016	222,965
EBITDA (%)	50.9	52.3	55.6
PAT	102,790	109,106	139,523
EPS	24.5	25.8	33.0
P/E	18.2	17.2	13.5
BVPS	31	37	48
P/B	14.2	11.9	9.2
ROE (%)	77.3	69.3	68.4
ROCE (%)	58.8	57.0	62.4

MANAV GOGIA

Research Analyst

📞 +91 22 6992 2934 / 35 / 36



Q4FY25 RESULT HIGHLIGHTS

Consolidated performance

- Revenue from operations for the quarter stood at Rs 90,410mn (vs our estimate of Rs 85,352mn) up 5.7% QoQ and 19.7% YoY, driven by higher lead and zinc volume and silver prices and stronger dollar. The fall in the Zinc and Lead prices for the quarter was majorly offset by a falling cost of production per-tonne for Zinc and the rise in the silver prices which came in at an average of \$31.90/oz vs \$31.40/oz.
- Absolute EBITDA for the quarter stood at Rs 47,380mn (vs our estimates of Rs 43,718mn). EBITDA margins for the quarter stood at 52.9% vs 52.1% in Q3FY25 and 48.4% in Q4FY24.
- Net profit for the quarter stood at Rs 29,760mn, up c.12% QoQ and c.46% YoY.
- Mined metal production stood at 310kt in Q4FY25 vs 265kt during the previous quarter.
- Refined metal sales came in at 274kt (218kt for Zinc and 56kt for Lead)
- Silver volumes saw a c.11% increase QoQ and were reported at 177 tons.
- Zinc COP for the quarter stood at \$994/t (vs \$1,041/t in Q3FY25), lower by 4.5% QoQ on account of improved metal grades supported by increased renewable energy, higher by-products sales, and softened input commodity prices.

Additional Remarks

- FY25 saw a strong Zinc market with prices surging over 16% over last year averaging \$2,875/t during FY25.
- The 160ktpa roaster at Debari is expected to commission during Q1FY26E.
- DAP/NPK plant with a 510ktpa capacity is expected to commission by the end of FY26E.
- FY26E Guidance: Mined Metal -> 1,125ktpa; Refined metal-> 1,100ktpa; Silver-> 700-710 tons
- Zinc CoP Guidance: \$1,025-1,050/t.
- Growth capex: \$225-250mn.

Exhibit 2: Quarterly Operational Highlights

Rs mn	Q4FY24	Q1FY25	Q2FY25	Q3FY25	Q4FY25	% qoq	% yoy	FY24	FY25	% yoy
Mined metal (kt)	299	263	262	265	310	17.0%	3.7%	1,079	1,095	1.5%
Zinc (kt)	221	211	198	201	218	8.5%	(1.4%)	817	828	1.3%
Lead (kt)	53	51	63	55	56	1.8%	5.7%	216	225	4.2%
Refined metal sales (kt)	274	262	261	256	274	7.0%	0.0%	1,033	1,053	1.9%
Silver (Tons)	189	167	184	160	177	10.6%	(6.3%)	746	688	(7.8%)

Source: Company; YES Sec

Exhibit 3: Quarterly Snapshot

Rs mn	Q4FY24	Q1FY25	Q2FY25	Q3FY25	Q4FY25	% qoq	% yoy	FY24	FY25	% yoy
Revenue	75,500	81,300	82,420	85,560	90,410	5.7%	19.7%	289,340	339,690	17.4%
Cost of goods sold	14,370	16,910	18,320	16,380	15,760	(3.8%)	9.7%	62,040	67,370	8.6%
Employee costs	2,270	2,280	1,840	2,420	2,240	(7.4%)	(1.3%)	8,260	8,780	6.3%
Other expenses	22,320	22,600	21,220	22,180	24,580	10.8%	10.1%	82,430	90,580	9.9%
EBITDA	36,540	39,510	41,040	44,580	47,830	7.3%	30.9%	136,610	172,960	26.6%
EBITDA %	48.4%	48.6%	49.8%	52.1%	52.9%	1.5%	9.3%	47.2%	50.9%	7.8%
Other income	2,800	2,770	2,680	2,210	2,300	4.1%	(17.9%)	11,030	9,960	(9.7%)
Depreciation	9,360	8,430	8,750	9,030	10,130	12.2%	8.2%	34,660	36,340	4.8%
Finance costs	2,620	2,560	3,190	2,850	2,510	(11.9%)	(4.2%)	9,550	11,110	16.3%
Exceptional items	-	-	830	-	-			-	830	
Profit before tax	27,360	31,290	30,950	34,910	37,490	7.4%	37.0%	103,430	134,640	30.2%
Taxes	6,940	7,710	7,970	8,440	7,730	(8.4%)	11.4%	25,560	31,850	24.6%
Profit after tax	20,420	23,580	22,980	26,470	29,760	12.4%	45.7%	77,870	102,790	32.0%

Source: Company; YES Sec

KEY CONFERENCE CALL TAKEAWAYS

General business updates

- Q4FY25 saw the average grade rise from the average of 7.5% to 7.85% resulting in higher volumes for zinc and lead. Silver quantities up sequentially, owing to the massive fall seen in Q3FY25 due to changes made in the mining plan which also impacted grades for silver.
- Major driver of the costs following down was the increase in the usage of renewable energy in the power mix. Coal costs were flattish sequentially. Coal mix - domestic coal mix was 44% in FY25 and for Q4FY25 it was at 46%.
- On the silver guidance for FY26E- The guidance of 700-710 tons is below the FY24 peak seen as earlier the smelters were running on Pyro-lead mode. For FY26E, HZ's focus will be on zinc more, hence the silver guidance is lower than expected. The silver guidance, however, doesn't include the incremental volumes from the scrap recovery technology and the new fumers which is expected to add about 25 tons of silver if implemented within the targeted timeline. Additionally, if the company sees an increase in the grades from SK mine, they might change the plans and focus on silver.
- Hindustan Zinc Alloy Plant has generated an EBITDA of Rs 1,000mn for FY25. At peak capacity it should give c.Rs 2,500mn of EBITDA on a full year basis from FY26E onwards. Being a new company, the effective tax rate will be 17.44%. The production stood at 10kt for the year with a plant capacity of 28ktpa.
- RE share in the energy mix currently stands at 15%. The company aims to reach a share of 30% by the end of FY26E which should see about \$10/t cost savings on the Zinc CoP. Long-term targets for RE usage in the production mix will be between 32-35%.
- LME zinc prices expected to average around \$2,850/t; LME lead at \$2,025/t however, silver prices may go up to \$37-38/oz. The first half of FY26E is expected to see price volatility owing to how the new tariff regime plays out. Hindustan Zinc being a domesticated operations company see no major demand or supply side shifts in its operations.
- Bamnia Kalan mine should take another couple of years before it starts producing ore for commercial purposes. Expect the flow to start from FY28E onwards.
- Growth and sustenance capex expected at Rs 43,000mn for FY26E. Share of growth capex: Rs 43,000mn.
- 1.20 to 2.0mtpa mined metal expansion will be in phases with 1.50mtpa in 1st phase - ready with Agucha expansion and announcement on timeline of expansion from 1.20 to 1.50mtpa is expected in Q1FY26E.

Project updates

- **Debari Roaster:** Project progress is on track with commissioning being targeted during Q1FY26E.
- **DAP/NPK Plant:** Project is targeted to be completed by the end of FY26E.

Volumes guidance for FY26E

- **Mined Metal:** 1,125kt (+-10kt)
- **Refined Metal:** 1,100kt (+-10kt)
- **Silver:** 700-710 tons
- **Zinc CoP:** \$1,025-1,050/t
- **Growth capex:** \$225-250mn

VALUATION AND VIEW

Exhibit 4: Valuation Summary

Rs million	FY27E	Per-share
EBITDA	222,965	52.77
EBITDA multiple (x)	11.0x	
EV	2,452,620	580.50
Net Debt	89,684	21.23
CWIP	22,515	5.33
Market capitalization	2,385,451	564.60
No. of shares outstanding	4,225	
Rs/share	564.60	
CMP	445.00	
Upside (%)	26.9%	

Source: Company, YES Sec

Exhibit 5: Change in Estimates

(Rs mn)	New Estimates			Old Estimates			% Change in estimates		
	FY25A	FY26E	FY27E	FY25E	FY26E	FY27E	FY25E	FY26E	FY27E
Refined metal sales (kt)	1,053	1,101	1,184	1,046	1,157	1,195	0.7%	(4.8%)	(0.9%)
Zinc prices (\$/t)	2,875	2,813	3,050	2,878	2,950	3,050	(0.1%)	(4.7%)	0.0%
Lead prices (\$/t)	2,046	1,994	2,150	2,080	2,100	2,150	(1.6%)	(5.1%)	0.0%
Silver sales (tons)	687	704	752	691	752	776	(0.6%)	(6.4%)	(3.1%)
Silver prices (\$/oz)	30.40	31.50	32.00	29.78	31.00	31.00	2.1%	1.6%	3.2%
EBITDA	172,960	184,016	222,965	175,161	215,021	226,905	(1.3%)	(14.4%)	(1.7%)
EBITDA margins	50.9%	52.3%	55.6%	52.4%	56.8%	56.5%	(2.8%)	(7.9%)	(1.5%)

Source: Company, YES Sec

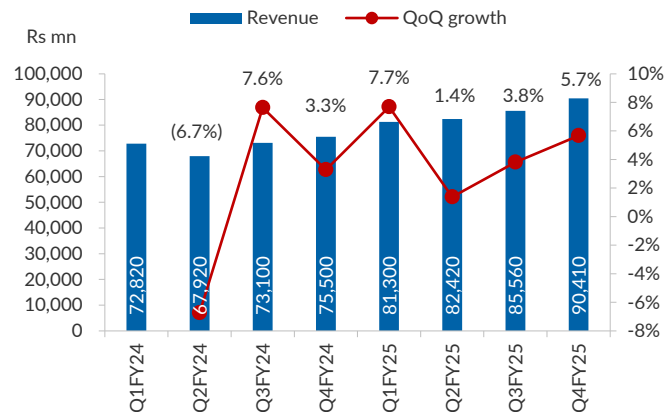
Exhibit 6: Case Analysis

In Rs million	BEAR CASE			BASE CASE			BULL CASE		
	FY25A	FY26E	FY27E	FY25A	FY26E	FY27E	FY25A	FY26E	FY27E
Valuations									
EBITDA	172,960	160,395	183,958	172,960	184,016	222,965	172,960	185,791	225,661
EV Multiple (x)			10.00			11.00			11.00
Enterprise value			1,839,577			2,452,620			2,482,272
Net debt			89,684			89,684			89,684
CWIP			22,515			22,515			22,515
Equity value			1,772,409			2,385,451			2,415,103
No of shares			4,225			4,225			4,225
Rs/share			420			565			572
CMP			445			445			445
Upside (%)			-6%			27%			28%
Assumptions									
Pricing assumptions (\$/t)									
LME Zinc		2,750	2,850		2,813	3,050		2,813	3,050
Zinc Premium		250	250		250	250		250	250
LME Lead		1,975	2,025		1,994	2,150		1,994	2,150
Lead Premium		250	250		250	250		250	250
Silver prices (USD/oz)		30.50	31.00		31.50	32.00		31.50	32.00
Silver Premium		1.00	1.00		1.00	1.00		1.00	1.00
USD/INR		85.54	85.50		85.54	85.50		85.54	85.50
Operational highlights									
Refined zinc production	828	839	907	828	883	955	828	901	974
Refined lead production	225	207	217	225	218	229	225	222	233
Total refined metal production	1,053	1,046	1,125	1,053	1,101	1,184	1,053	1,123	1,208
Silver volumes (Tons)	687	669	714	687	704	752	687	718	767
Financials	FY25A	FY26E	FY27E	FY25A	FY26E	FY27E	FY25A	FY26E	FY27E
Revenue from zinc	218,870	215,252	240,459	218,870	231,488	269,445	218,870	235,928	274,834
Revenue from lead	42,270	39,415	42,298	42,270	41,839	46,970	42,270	37,921	42,919
Revenue from silver	61,300	57,665	62,547	61,300	62,627	67,897	61,300	63,880	69,255
Revenue from by-products	10,420	15,726	16,512	10,420	15,726	16,512	10,420	15,726	16,512
Total Revenue	332,860	328,059	361,816	332,860	351,679	400,824	332,860	353,454	403,520
Cost of goods sold	67,370	65,617	73,033	67,370	65,617	73,033	67,370	65,617	73,033
Employee benefit expenses	8,780	9,107	9,562	8,780	9,107	9,562	8,780	9,107	9,562
Other expenses	90,580	92,940	95,263	90,580	92,940	95,263	90,580	92,940	95,263
EBITDA	166,130	160,395	183,958	166,130	184,016	222,965	166,130	185,791	225,661
EBITDA %	49.9%	48.9%	50.8%	49.9%	52.3%	55.6%	49.9%	52.6%	55.9%

Source: YES Sec

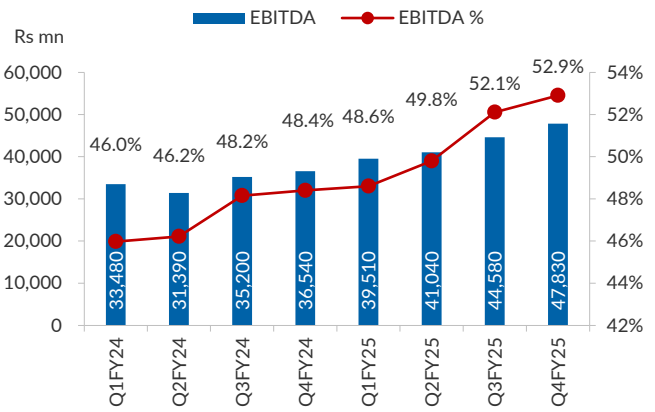
QUARTERLY TRENDS IN CHARTS

Exhibit 7: Revenues up 5.7% sequentially



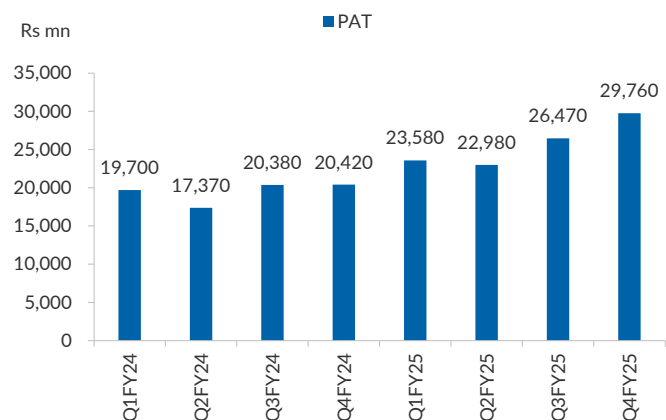
Source: Company, YES Sec

Exhibit 8: Margin profile continues to improve



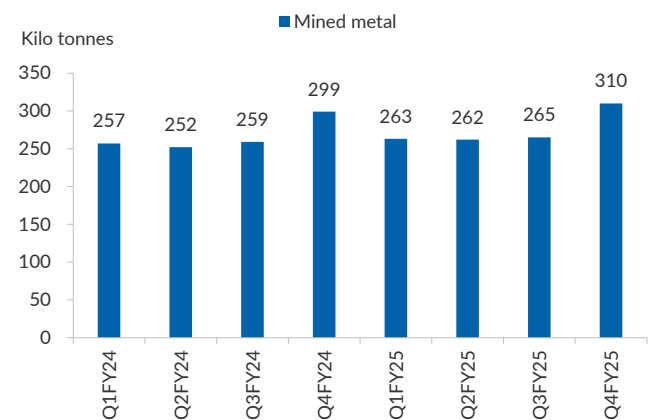
Source: Company, YES Sec

Exhibit 9: PAT



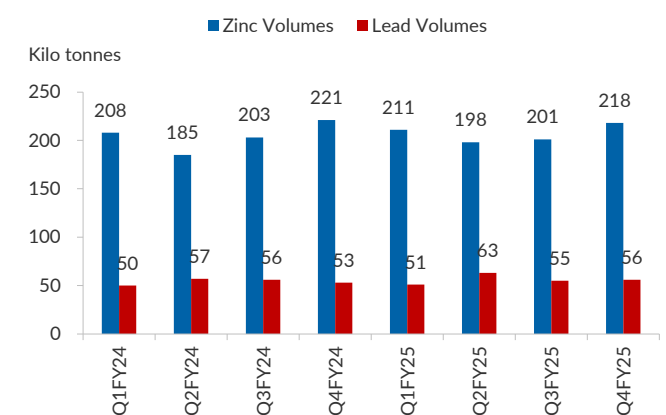
Source: Company, YES Sec

Exhibit 10: Mined metal output



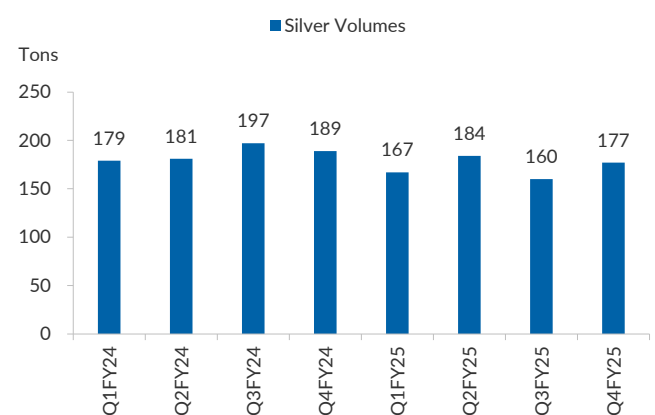
Source: Company, YES Sec

Exhibit 11: Refined metal volumes



Source: Company, YES Sec

Exhibit 12: Silver volumes



Source: Company, YES Sec

FINANCIALS

Exhibit 13: Income Statement

Y/e 31 Mar (Rs mn)	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Net revenue	226,290	294,400	340,980	289,340	339,690	351,679	400,824
Cost of goods sold	47,300	58,410	76,360	62,040	67,370	65,617	73,033
Employee cost	7,600	7,170	8,430	8,260	8,780	9,107	9,562
Other expenses	54,670	66,560	81,070	82,430	90,580	92,940	95,263
EBITDA	116,720	162,260	175,120	136,610	172,960	184,016	222,965
% Margin	51.6%	55.1%	51.4%	47.2%	50.9%	52.3%	55.6%
Dep. & Amort.	25,310	29,170	32,640	34,660	36,340	38,685	40,082
Other income	18,190	12,160	13,820	11,030	9,960	10,209	10,464
Finance costs	3,860	2,900	3,330	9,550	11,110	10,066	7,316
Exceptional items	-	1,340	-	-	830	-	-
Profit before tax	105,740	141,010	152,970	103,430	134,640	145,474	186,031
Taxes	25,940	44,710	47,770	25,560	31,850	36,369	46,508
Profit after tax	79,800	96,300	105,200	77,870	102,790	109,106	139,523
EPS - Basic and Diluted	18.89	23.11	24.90	18.43	24.53	25.82	33.02

Source: Company, YES Sec

Exhibit 14: Balance Sheet

Y/e 31 Mar (Rs mn)	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Assets							
PPE	164,470	171,650	175,280	178,750	183,580	185,395	185,813
CWIP	19,220	20,750	21,070	15,290	25,520	30,020	34,520
Non-current assets	211,590	206,880	205,920	212,110	227,750	235,189	241,089
Inventories	14,250	19,530	18,620	19,240	18,820	19,775	22,010
Trade receivables	4,060	7,160	3,800	1,610	1,120	2,891	3,294
Cash and equivalents	3,130	15,920	590	510	940	182	5,993
Bank	90,630	41,710	13,530	1,220	810	1,644	15,627
Current assets	245,680	239,830	148,620	126,930	116,430	131,055	154,471
Total assets	457,270	446,710	354,540	339,040	344,180	366,244	395,560
Equity and liabilities							
Equity share capital	8,450	8,450	8,450	8,450	8,450	8,450	8,450
Other equity	314,680	334,370	120,970	143,880	124,450	149,056	195,629
Non-current liabilities	55,380	42,950	50,700	78,530	99,530	97,329	89,049
Current liabilities	78,760	60,940	174,420	108,180	111,750	111,000	102,022
Total equity and liabilities	457,270	446,710	354,540	339,040	344,180	365,834	395,150

Source: Company, YES Sec

Exhibit 15: Cash Flow Statement

Y/e 31 Mar (Rs mn)	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Profit before taxes	105,740	141,010	152,970	103,430	134,640	145,474	186,031
Depreciation & amortization	25,310	29,170	32,640	34,660	36,340	38,685	40,082
Finance costs	3,860	2,900	3,330	9,550	11,110	10,066	7,316
CFO before working cap changes	116,840	162,810	177,500	137,010	173,880	194,225	233,430
Working capital changes	6,380	(11,990)	5,560	13,990	1,150	3,636	3,138
Cash generated from operations	123,220	150,820	183,060	151,000	175,030	197,861	236,567
Taxes paid	(17,550)	(23,910)	(31,400)	(17,570)	(33,760)	(36,369)	(46,508)
Net CFO	105,670	126,910	151,660	133,430	141,270	161,492	190,060
Net CFI	(24,350)	8,460	65,250	(34,050)	(26,580)	(52,260)	(45,000)
Net CFF	(96,970)	(122,580)	(232,240)	(99,460)	(114,260)	(109,566)	(125,266)
Net change in cash	(15,650)	12,790	(15,330)	(80)	430	(334)	19,794
Cash at beginning	18,780	3,130	15,920	590	510	940	182
Cash at end	3,130	15,920	590	510	940	182	5,993

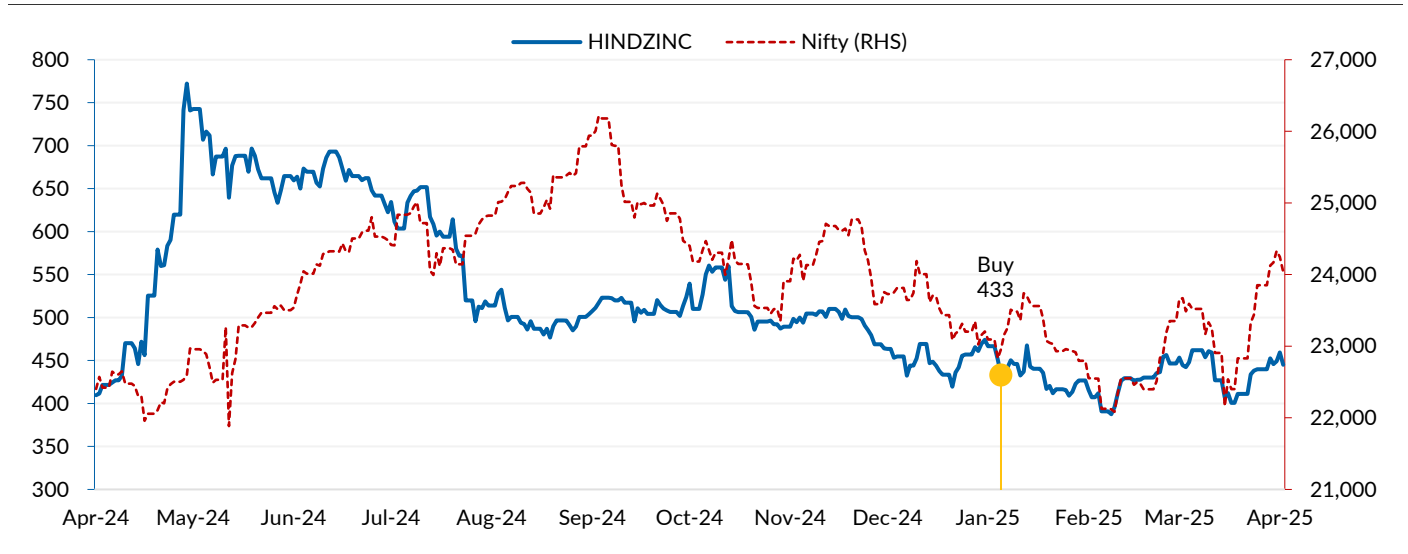
Source: Company, YES Sec

Exhibit 16: Key Ratios

Y/e 31 Mar (Rs mn)	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Growth (%)							
Revenues	21.9	30.1	15.8	(15.1)	17.4	3.5	14.0
GP	21.0	31.8	12.1	(14.1)	19.8	5.0	14.6
EBITDA	31.9	39.0	7.9	(22.0)	26.6	6.4	21.2
EBIT	39.2	45.6	7.1	(28.4)	34.0	6.4	25.8
PAT	17.3	20.7	9.2	(26.0)	32.0	6.1	27.9
Margins (%)							
GP	79.1	80.2	77.6	78.6	80.2	81.3	81.8
EBITDA	51.6	55.1	51.4	47.2	50.9	52.3	55.6
EBIT	40.4	45.2	41.8	35.2	40.2	41.3	45.6
PAT	35.3	32.7	30.9	26.9	30.3	31.0	34.8
Return profile (%)							
ROE	24.7	28.1	81.3	51.1	77.3	69.3	68.4
ROCE	24.1	34.5	79.1	44.2	58.8	57.0	62.4
Per share (Rs)							
EPS	18.9	23.1	24.9	18.4	24.5	25.8	33.0
BVPS	76.5	81.1	30.6	36.1	31.5	37.3	48.3
P/E (x)	14.4	13.4	12.0	15.9	18.2	17.2	13.5
P/BV (x)	3.6	3.8	9.8	8.1	14.2	11.9	9.2

Source: Company, YES Sec

Recommendation Tracker



STANDARD DISCLAIMER:

YES Securities (India) Limited, Registered Address: 2nd Floor, North Side, YES BANK House, Off Western Express Highway, Santacruz East, Mumbai - 400055. Maharashtra, India | **Correspondence Add:** 7th Floor, Urmi Estate Tower A, Ganpatrao Kadam Marg, Opp. Peninsula Business Park, Lower Parel (West), Mumbai - 400 013, Maharashtra, India. | Website: www.yesinvest.in | Email: customer.service@ysil.in

Registration Nos.: CIN: U74992MH2013PLC240971 | SEBI Registration No.: NSE, BSE, MCX & NCDEX : INZ000185632 | Member Code: BSE - 6538, NSE - 14914, MCX - 56355 & NCDEX - 1289 | CDSL & NSDL: IN-DP-653-2021 | RESEARCH ANALYST: INH000002376 | INVESTMENT ADVISER: INA000007331 | Sponsor and Investment Manager to YSL Alternates Alpha Plus Fund (Cat III AIF) and YES Wealth Maximiser AIF (Cat III AIF) SEBI Registration No.: IN/AIF3/20- 21/0818 | AMFI ARN Code - 94338

Details of Compliance Officer: Aditya Goenka | Email: compliance@ysil.in / Contact No.: 022-65078127 | **Grievances Redressal Cell:** customer.service@ysil.in / igc@ysil.in

Standard Disclaimer: Investment in securities market are subject to market risks; read all the related documents carefully before investing. Above representation provides an overview related to our past performance neither does it provide any guarantee of future performance, nor we are ensuring any guaranteed returns. Actual Client returns may vary depending upon time premium, volatility Index, intrinsic value of the script, open interest, other geopolitical conditions and choice of the customer to execute the recommendation in full or part. All recommendations are published under Research Analyst License of YES Securities (India) Limited (YSIL); execution of the recommendation is at complete discretion of customer without any intervention by the research publisher.

Contents which are exclusively for Non-Broking Products/Services e.g. Mutual Fund, Mutual Fund-SIP, Research reports, Insurance, etc. where the YSIL is just a distributor. These are not Exchange traded product and the YSIL is just acting as distributor. Kindly note that all disputes with respect to the distribution activity, would not have access to Exchange investor redressal forum or Arbitration mechanism.

YSIL is a subsidiary of YES Bank Limited. Savings, Current, PIS and Demat Account are offered by YES Bank Limited. Please note Brokerage would not exceed the SEBI prescribed limit. YSIL also acts in the capacity of distributor for Products such as IPOs, Mutual Funds, Mutual Fund-SIPs, NCD/Bonds, etc., All disputes with respect to the distribution activity, would not have access to Exchange investor redressal forum or Arbitration mechanism.

Margin Trading Funding (MTF) is an exchange approved product offered to YSIL trading account holders, as per the regulation and guideline of SEBI Circular: CIR/MRD/DP/54/2017 dated June 13, 2017. For product specification, T&C, rights and obligations statement issued by the YSIL visit https://yesinvest.in/standard_documents_policies

DISCLAIMER

Investments in securities market are subject to market risks, read all the related documents carefully before investing.

The information and opinions in this report have been prepared by YSIL and are subject to change without any notice. The report and information contained herein are strictly confidential and meant solely for the intended recipient and may not be altered in any way, transmitted to, copied or redistributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of YSIL.

The information and opinions contained in the research report have been compiled or arrived at from sources believed to be reliable and have not been independently verified and no guarantee, representation of warranty, express or implied, is made as to their accuracy, completeness, authenticity or validity. No information or opinions expressed constitute an offer, or an invitation to make an offer, to buy or sell any securities or any derivative instruments related to such securities. Investments in securities are subject to market risk. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. Investors should note that Price of each of the securities or value may rise or fall and, accordingly, investors may even receive amounts which are less than originally invested. The investor is advised to take into consideration all risk factors including their own financial condition, suitability to risk return profile and the like, and take independent professional and/or tax advice before investing. Opinions expressed are our current opinions as of the date appearing on this report. Investor should understand that statements regarding future prospects may not materialize and are of general nature which may not be specifically suitable to any particular investor. Past performance may not necessarily be an indicator of future performance. Actual results may differ materially from those set forth in projections. Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. YES Securities (India) Limited conforms with the rules and regulations enumerated in the Securities and Exchange Board of India (Research Analysts) Regulations, 2014 as amended from time to time.

Technical analysis reports focus on studying the price movement and trading turnover charts of securities or its derivatives, as opposed to focussing on a company's fundamentals and opinions, as such, may not match with reports published on a company's fundamentals.

YSIL, its research analysts, directors, officers, employees and associates accept no liabilities for any loss or damage of any kind arising out of the use of this report. 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 YSIL and associates 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.

YES Securities (India) Limited distributes research and engages in other approved or allowable activities with respect to U.S. Institutional Investors through Rule 15a-6 under the Securities Exchange Act of 1934 (the "Exchange Act")^[1] and regulations under an exclusive chaperone arrangement with Brasil Plural Securities LLC. The views and sentiments expressed in this research report and any findings thereof accurately reflect YES Securities (India) Limited analyst's truthful views about the subject securities and or issuers discussed herein. YES Securities (India) Limited is not registered as a broker-dealer under the Securities Exchange Act of 1934, as amended (the "Exchange Act") and is not a member of the Securities Investor Protection Corporation ("SIPC"). Brasil Plural Securities LLC is registered as a broker-dealer under the Exchange Act and is a member of SIPC. For questions or additional information, please contact Gil Aikins (gil.aikins@brasilplural.com) or call +1 212 388 5600.

This research report is the product of YES Securities (India) Limited. YES Securities (India) Limited is the employer of the research analyst(s), the authors of this research report. YES Securities (India) Limited is the concerned representatives (employees) of YES Securities (India) Limited, are responsible for the content of this research report including but not limited to any material conflict of interest of YES Securities (India) Limited in relation the issuer(s) or securities as listed in this research report. This YES Securities (India) Limited research report is distributed in the United States through Brasil Plural Securities LLC (BPS). The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and is/ 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. As per SEC Rule 15a-6, the U.S. broker-dealer must accompany any third party research report it distributes with, or provide a web address that directs a recipient to, disclosure of any material conflict of interest that can reasonably be expected to have influenced the choice of a third-party research report provider or the subject company of a third-party research.

FINRA Rules 2241 and 2242, which govern the conduct of research analysts and the content of equity and debt research reports, respectively, apply to all research distributed by a FINRA member firm, including research prepared by a foreign broker-dealer under Rule 15a-6.

- Research reports prepared by a foreign broker-dealer and distributed by a U.S. broker-dealer are deemed to be third party research reports, as reports produced by a person other than a FINRA member.
- Prior to distributing any third party research, a U.S. broker-dealer must assure that such report contains the required disclosures under FINRA Rule 2241(h) or 2242(g)(3), as applicable.

This report is intended for distribution by YES Securities (India) Limited 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). As per Rule 15a-6(b)(4) of the Exchange Act, 1934, "Major U.S. institutional investor" means a U.S. institutional investor with assets, or assets under management, in excess of US\$100 million, or a registered investment adviser with assets under management in excess of US\$100 million. 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 or entity. Transactions in securities discussed in this research report should be effected through Brasil Plural Securities LLC (BPS) or another U.S. registered broker dealer/Entity as informed by YES Securities (India) Limited from time to time.

^[1] Rule 15a-6 under the Securities Exchange Act of 1934 provides conditional exemptions from broker-dealer registration for foreign broker-dealers that engage in certain specified activities involving U.S. investors. These activities include:

- (a) Effecting unsolicited securities transactions;
- (b) Providing research reports to major U.S. institutional investors, and effecting transactions in the subject securities with or for those investors;
- (c) Soliciting and effecting transactions with or for U.S. institutional investors or major U.S. institutional investors through a "chaperoning broker-dealer"; and
- (d) Soliciting and effecting transactions with or for registered broker-dealers, banks³ acting in a broker or dealer capacity, certain international organizations, foreign persons temporarily present in the U.S., U.S. citizens resident abroad, and foreign branches and agencies of U.S. persons.

In adopting Rule 15a-6, the SEC sought "to facilitate access to foreign markets by U.S. institutional investors through foreign broker-dealers and the research that they provide, consistent with maintaining the safeguards afforded by broker-dealer registration." [Rule 15a-6 Adopting Release at 54 FR 30013; see also Registration Requirements for Foreign Broker-Dealers, Exchange Act Release No. 25801 (June 14, 1988), 53 FR 23645 (June 23, 1988)].

DISCLOSURE OF INTEREST

Name of the Research Analyst : Manav Gogia

The analyst hereby certifies that opinion expressed in this research report accurately reflect his or her personal opinion about the subject securities and no part of his or her compensation was, is or will be directly or indirectly related to the specific recommendation and opinion expressed in this research report.

Sr. No.	Particulars	Yes/No
1	Research Analyst or his/her relative's or YSIL's financial interest in the subject company(ies)	No
2	Research Analyst or his/her relative or YSIL's 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 the research report	No
3	Research Analyst or his/her relative or YSIL has any other material conflict of interest at the time of publication of the research report	No
4	Research Analyst has served as an officer, director or employee of the subject company(ies)	No
5	YSIL has received any compensation from the subject company in the past twelve months	No
6	YSIL has received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months	No
7	YSIL has received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months	No
8	YSIL has received any compensation or other benefits from the subject company or third party in connection with the research report	No
9	YSIL has managed or co-managed public offering of securities for the subject company in the past twelve months	No
10	Research Analyst or YSIL has been engaged in market making activity for the subject company(ies)	No

Since YSIL and its associates are engaged in various businesses in the financial services industry, they may have financial interest or may have received compensation for investment banking or merchant banking or brokerage services or for any other product or services of whatsoever nature from the subject company(ies) in the past twelve months or associates of YSIL may have managed or co-managed public offering of securities in the past twelve months of the subject company(ies) whose securities are discussed herein.

Associates of YSIL may have actual/beneficial ownership of 1% or more and/or other material conflict of interest in the securities discussed herein.

RECOMMENDATION PARAMETERS FOR FUNDAMENTAL REPORTS

Analysts assign ratings to the stocks according to the expected upside/downside relative to the current market price and the estimated target price. Depending on the expected returns, the recommendations are categorized as mentioned below. The performance horizon is 12 to 18 months unless specified and the target price is defined as the analysts' valuation for a stock. No benchmark is applicable to the ratings mentioned in this report.

BUY: Upside greater than 20% over 12 months

ADD: Upside between 10% to 20% over 12 months

NEUTRAL: Upside between 0% to 10% over 12 months

REDUCE: Downside between 0% to -10% over 12 months

SELL: Downside greater than -10% over 12 months

NOT RATED / UNDER REVIEW

Lead Analyst signature

ABOUT YES SECURITIES (INDIA) LIMITED

YES Securities (India) Limited ("YSIL") is a subsidiary of YES BANK LIMITED. YSIL is a Securities and Exchange Board of India (SEBI) registered Stock broker holding membership of National Stock Exchange (NSE), Bombay Stock Exchange (BSE), Multi Commodity Exchange (MCX) & National Commodity & Derivatives Exchange (NCDEX). YSIL is also a SEBI-registered Investment Adviser and Research Analyst. YSIL is also a Sponsor and Investment Manager of Alternate Investment Fund - Category III (YSL Alternates) and AMFI registered Mutual Fund Distributor. The Company is also a registered Depository Participant with CDSL and NSDL.