

BUY TP: Rs 850 | A 33%

HDFC LIFE

Muted quarter; clear growth roadmap a positive

- 9MFY24 growth low but management's clear roadmap for growth raises confidence on medium-term prospects
- ULIP share continues to increase in the APE mix; non-par business remained stable
- TP revised to Rs 850 (vs. Rs 822) as we raise FY24-FY26 EV estimates by ~3% each; maintain BUY

APE growth sluggish...: HDFC Life's individual and overall APE grew at a muted 6%/5% YoY as at end-9MFY24. Further, individual APE market share slipped from 16% in FY23 to 14% at end-Q3FY24, though the company retained its #2 rank among private peers. On the positive side, management indicated that it has rolled out new products, seen strong growth in tier-2/3 cities (<Rs 0.5mn premium paying customers), and continues to register a higher share of 60%+ in the HDFC Bank distribution channel.

...but expect pick up from Q4: We expect higher growth from Q4FY24 onwards due to management's targeted growth strategy of (i) expanding in tier-2/3 markets, (ii) adding new banking partnerships where APE growth is historically 30-40% in the first 15 months of onboarding, (iii) hiring new agents, (iv) driving growth in sub-Rs 0.5mn policies (+17% YoY in 9M), and (v) maintaining a balanced product mix which should hold the company in good stead when market exuberance subsides.

ULIP business gains traction; non-par stable: Owing to the buoyant equity markets, the share of ULIPs in APE has risen from 16% in FY23 to 24% in H1FY24 and 27% in 9MFY24. Non-par APE was stable at 24% in 9MFY24 but showed a decline compared to FY23. The share of protection plans fell from 17% in H1FY24 to 15% in 9M but has increased from 13% in FY23.

Stable VNB margin: HDFC Life generated VNB of Rs 22.7bn (+5% YoY) with a stable margin of 26.5% at end-9M and retained guidance of staying margin-neutral by FY24-end. We continue to factor in a VNB margin of 26.5% for FY24 but expect FY25 to have a margin of 27% (vs. 26.5% earlier), with a similar level in FY26. We now pencil in a 12% VNB CAGR over FY23-FY26 to Rs 52bn and a 13% APE CAGR to Rs 188bn.

Maintain BUY: HDFC Life is trading at 2.1x FY26E P/EV. We continue to value the stock at 2.8x FY26E P/EV– a 30% discount to the long-term mean – while raising our FY24-FY26 embedded value (EV) estimates by ~3% each to bake in the strong economic variance seen this quarter. This yields a higher TP of Rs 850 (vs. Rs 822). We maintain BUY given robust demand in tier-2/3 markets, rising market share in the HDFC Bank channel and new distribution partnerships.

12 January 2024

Mohit Mangal research@bobcaps.in

Insurance

Key changes

	Target	Rating				
	A	<►				
Ticker/Price		HDFCLIFE IN/Rs 638				
Mark	et cap	US\$ 16.6bn				
Free	float	48%				
3M ADV		US\$ 23.9mn				
52wk high/low		Rs 711/Rs 458				
Prom	oter/FPI/DII	52%/26%/8%				

Source: NSE | Price as of 12 Jan 2024

Key financials

Y/E 31 Mar	FY23A	FY24E	FY25E
NBP (Rs mn)	2,90,851	3,26,323	3,71,049
APE (Rs mn)	1,33,400	1,44,107	1,65,134
VNB (Rs mn)	36,818	38,188	44,586
Embedded Value (Rs mn)	3,94,988	4,75,439	5,54,723
VNB margin (%)	27.6	26.5	27.0
EVPS (Rs)	185.0	222.7	259.8
EPS (Rs)	6.4	7.0	8.6
Consensus EPS (Rs)	8.9	8.9	8.9
P/EV (x)	3.4	2.9	2.5

Source: Company, Bloomberg, BOBCAPS Research

Stock performance



Source: NSE





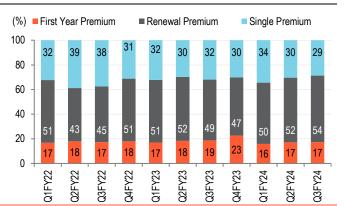
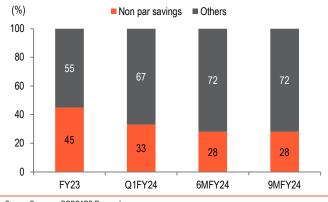


Fig 1 – Renewal premium grew 17% YoY in Q3

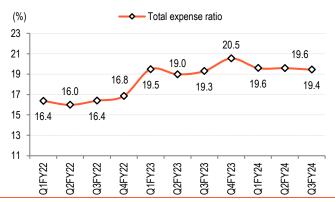
Source: Company, BOBCAPS Research

Fig 3 - Product mix (individual APE-based) shows nonpar savings at a relatively low 28% in 9MFY24



Source: Company, BOBCAPS Research

Fig 5 – Overall expense ratio stable



Source: Company, BOBCAPS Research

Fig 2 – APE declined 2% YoY

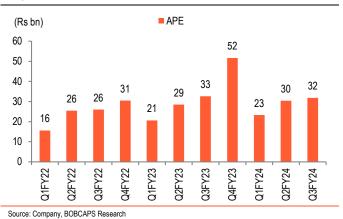
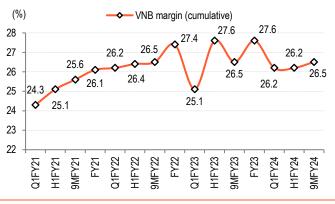
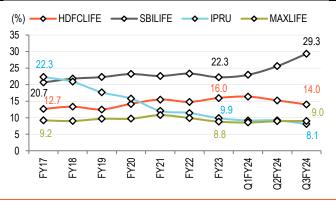


Fig 4 – VNB margin stood at 26.5% at end-9MFY24



Source: Company, BOBCAPS Research





Source: IRDA, BOBCAPS Research

-											
(%)	Q1FY22	H1FY22	9MFY22	FY22	Q1FY23	H1FY23	9MFY23	FY23	Q1FY24	H1FY24	9MFY24
Bancassurance	56.0	60.0	61.0	60.0	56.0	61.0	59.0	56.0	61.0	65.0	64.0
Brokers and Others	6.0	6.0	6.0	6.0	7.0	7.0	9.0	11.0	8.0	7.0	6.0
Agency	15.0	13.0	14.0	14.0	16.0	15.0	18.0	20.0	20.0	18.0	18.0
Direct	23.0	21.0	19.0	19.0	22.0	17.0	15.0	13.0	12.0	11.0	11.0

Fig 7 – Distribution mix based on individual APE shows bancassurance gaining traction

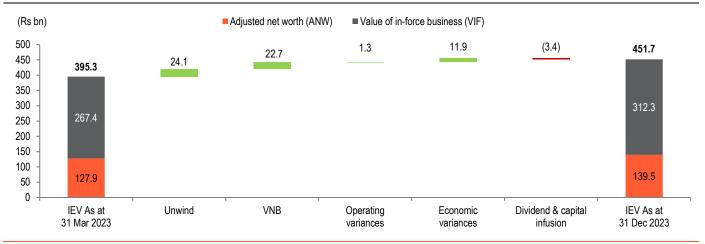
Source: Company, BOBCAPS Research





Source: Company, BOBCAPS Research |*Reflects the impact of difference in mix of segment/distribution channel/tenure/age/sum assured multiple, etc. | Note: VNB – Value of New Business; NBM – New Business Margin

Fig 9 – Higher economic variance boosts embedded value



Source: Company, BOBCAPS Research



Fig 10 – Policyholders' account

(Rs mn)	Q3FY24	Q3FY23	YoY (%)	Q2FY24	QoQ (%)	9MFY24	9MFY23	YoY (%)
Gross premium income	1,55,259	1,45,750	6.5	1,49,403	3.9	4,21,389	3,79,073	11.2
First Year Premium	26,792	27,249	(1.7)	25,656	4.4	70,962	68,567	3.5
Renewal Premium	83,962	71,870	16.8	78,389	7.1	2,20,392	1,91,941	14.8
Single Premium	44,505	46,632	(4.6)	45,358	(1.9)	1,30,036	1,18,565	9.7
Reinsurance	2,905	1,957	48.5	1,843	57.6	6,678	5,698	17.2
Net premium income	1,52,353	1,43,794	6.0	1,47,560	3.2	4,14,711	3,73,374	11.1
Income from investments (Net)	1,13,698	49,280	130.7	81,044	40.3	3,11,029	1,14,080	172.6
Other income	704	722	(2.5)	1,007	(30.1)	2,573	1,967	30.8
Contribution of funds from Shareholders' A/c	193	3,137	(93.9)	132	45.7	504	3,369	(85.0)
Total	2,66,948	1,96,933	35.6	2,29,743	16.2	7,28,817	4,92,791	47.9
Commission on								
First Year Premium	6,684	4,887	36.8	7,032	(5.0)	17,804	11,609	53.4
Renewal Premium	1,275	1,177	8.3	1,217	4.8	3,322	3,862	(14.0)
Single Premium	4,435	699	534.6	3,566	24.4	9,594	1,917	400.5
Rewards	63	165	(61.9)	54	17.4	222	367	(39.4)
Net Commission	12,457	6,928	79.8	11,869	5.0	30,943	17,754	74.3
Expenses of Management	30,197	28,132	7.3	29,270	3.2	82,348	72,929	12.9
Provision for taxes	1,015	(315)	(422.5)	(5,120)	(119.8)	(2,981)	1,871	(259.3)
Benefits Paid (Net)	98,661	86,623	13.9	93,371	5.7	2,72,760	2,76,672	(1.4)
Change in actuarial liability	1,36,837	79,201	72.8	1,10,161	24.2	3,72,634	1,33,153	179.9
Surplus/Deficit	613	3,300	(81.4)	2,293	(73.3)	5,023	7,871	(36.2)

Source: Company, BOBCAPS Research

Fig 11 – Shareholders' account

(Rs mn)	Q3FY24	Q3FY23	YoY (%)	Q2FY24	QoQ (%)	9MFY24	9MFY23	YoY (%)
Transfer from Policyholders' Account	1,293	4,161	(68.9)	1,354	(4.5)	4,964	8,851	(43.9)
Investment Income	2,811	2,437	15.3	2,368	18.7	7,496	5,237	43.1
Expenses other than those related to insurance business	273	318	(14.1)	247	10.5	875	932	(6.1)
Transfer of funds to Policyholders' Account	193	3,137	(93.9)	132	45.7	504	3,369	(85.0)
Provisions for diminution in value of investments6	(31)	0	NA	135	(122.8)	39	(239)	(116.4)
Profit before tax	3,668	3,142	16.7	3,307	10.9	11,141	10,026	11.1
Provisions for tax	18	(10)	(280.6)	(461)	(103.8)	(431)	12	(3,781.2)
Profit after tax and before extraordinary items	3,651	3,152	15.8	3,768	(3.1)	11,572	10,015	15.5

Source: Company, BOBCAPS Research

Fig 12 – Key ratios and growth metrics

(Rs mn)	Q3FY24	Q3FY23	YoY (%)	Q2FY24	QoQ (%)	9MFY24	9MFY23	YoY (%)
NBP	71,297	73,880	(3.5)	71,013	0.4	2,00,998	1,87,132	7.4
APE	31,870	32,600	(2.2)	30,430	4.7	85,600	81,700	4.8
Opex ratio (%)	11.4	14.5	(312bps)	11.6	(22bps)	12.2	14.6	(236bps)
Commission ratio (%)	8.0	4.8	327bps	7.9	8bps	7.3	4.7	266bps
Expense ratio (%)	19.4	19.3	15bps	19.6	(14bps)	19.5	19.2	30bps
VNB margin (%) - Cumulative	26.5	26.5	0bps	26.2	30bps	26.5	26.5	0bps
Solvency ratio (%)	190.0	209	(1900bps)	194.0	(400bps)	190.0	209.0	(1,900bps)

Source: Company, BOBCAPS Research



Earnings call highlights

Business highlights

- HDFC Life's NBP stood at Rs 71bn and renewal premium at Rs 84bn as at end-Q3FY24 vs. Rs 74bn and Rs 72bn respectively in Q3FY23. At end-9MFY24, NBP grew 7% YoY to Rs 201bn whereas renewals grew 15% to Rs 220bn.
- Annuity and protection business put together contributed to >50% of NBP in 9MFY24.
- APE was at Rs 32bn at end-Q3FY24, of which 88% or Rs 28bn comprised individual APE. At end-9MFY24, APE grew 5% YoY to Rs 86bn and individual APE grew 6% to Rs 73bn. The lower growth was on account of moderation in high-ticket policies (premium above Rs 500,000) and efforts by the company to maintain a balanced product mix.
- HDFC Life recorded an uptick of 9% YoY in the number of individual policies sold during 9MFY24.
- The trend of high traction in tier-2 and tier-3 cities continues, with APE rising at twice the company's growth rate. Management expects double-digit growth in Q4FY24. The company is focused on working with its bancassurance partners, especially parent HDFC Bank, to grow faster.
- The solvency ratio stood at 190% as on Dec'23 while 13th and 61st month persistency ratios were healthy at 86% and 54% respectively in 9MFY24 vs. 87% and 52% in 9MFY23.
- During Q3, the company introduced 'Click 2 Achieve', an innovative non-par savings product that has been received well across channels and garnered Rs 1bn within four weeks of launch. This product helps buyers garner flexible income and derive higher survival benefits than savings bank deposits.

Product mix

 HDFC Life maintains a balanced product mix with non-par savings at 28% of individual APE, participating products at 28%, ULIPs at 32%, and annuity and protection plans at 7% and 6% respectively.

VNB margin

- VNB margin was flat at 26.5% in 9MFY24, with VNB up 5% YoY to Rs 22.7bn.
- Management maintained its guidance of margin neutrality by the end of FY24.
- The VNB margin of 26.5% includes a positive impact of 0.7% from new business profile and a negative impact of 0.8% from fixed cost absorption.



Protection business

- Protection plans constituted 6% of the individual APE mix at end-9MFY24 vs. 4% in 9MFY23. Retail protection grew 36% YoY based on individual APE.
- The company's 'Credit Protect' product clocked 21% YoY growth in 9MFY24.
 Management stated that growth would have been higher but for lower bank loan disbursements.

Embedded value (EV)

- EV stood at Rs 452bn (+20% YoY) as on Dec'23, with an operating return on EV of 16.5%.
- EV had a positive economic variance of Rs 11.9bn at end-9MFY24 owing to an increase in persistency across channels and an increase in the amount of protection attached to linked products.

Distribution channel

- The bancassurance channel share in individual APE improved from 56% in FY23 to 64% at end-9MFY24.
- HDFC Life had ~60% market share in the HDFC Bank channel at end-9MFY24 and 70% share excluding ULIPs.
- Brokers' share in individual APE fell from 11% in FY23 to 6% in 9MFY24 and agency share fell from 20% to 18% as agents typically sell high-ticket par and nonpar products where demand has slowed.
- HDFC Life announced partnership with three banks, i.e. Karnataka Bank, Karur Vysya Bank and NKGSB Co-operative Bank.
- The company added more than 50,000 agents in 9MFY24 and is focused on strengthening its distribution network by expanding branches (75 additions in tier-2 and tier-3 cities), attracting relevant distributor profiles and making consistent investments in technology and capability building.

Regulatory changes

- HDFC Life believes the draft regulation by IRDAI on surrender charges is unlikely to be executed in its current form. The company, along with other players, has made a presentation to the regulator and is hopeful of a more moderate version.
- Management did not indicate any potential timeline for the regulation to become a reality as all industry players intend to have meaningful dialogue with the regulator over the next few months.



Valuation methodology

Following the Q3FY24 results, we continue to factor in a VNB margin of 26.5% for FY24 but bake in a slightly higher 27% margin for FY25 (vs. 26.5% earlier), with a similar level in FY26. Although APE growth of 5% at end-9MFY24 remains weak, management expects to deliver a solid performance going into FY25 based on a clear roadmap comprising expansion into fast-growing tier-2/3 markets, new banking and agency partnerships, and ensuring a balanced product mix. We pencil in a 12% VNB CAGR over FY23-FY26 to Rs 52bn and a 13% APE CAGR to Rs 188bn.

HDFC Life is trading at 2.1x FY26E P/EV. We continue to value the stock at 2.8x FY26E P/EV – a 30% discount to the long-term mean – while raising our FY24-FY26 embedded value (EV) estimates by ~3% each to bake in the strong economic variance seen this quarter. This yields a higher TP of Rs 850 (vs. Rs 822) – maintain BUY for 33% upside potential.

Our multiple is at a premium to private listed peers under coverage as we factor in the positives from higher market share in the HDFC Bank channel, innovative launches, stable ticket size, a balanced product mix and pickup in demand from tier-2/3 markets. We also factor in the negatives of a slight contraction in market share and high expense ratios, which explains our discount to the mean multiple.

Fig 13 – Revised estimates

(Rs bn)	New			Old			Change (%)		
	FY24E	FY25E	FY26E	FY24E	FY25E	FY26E	FY24E	FY25E	FY26E
Gross Premium	664	761	880	676	758	870	(1.7)	0.4	1.2
Net Premium	656	751	869	667	748	858	(1.7)	0.4	1.2
VNB	38	45	52	37	42	52	4.3	5.0	(0.0)
APE	144	165	192	138	160	192	4.3	3.1	(0.0)
Embedded Value (EV)	475	555	647	460	536	627	3.4	3.5	3.3
VNB Margin (%)	26.5	27.0	27.0	26.5	26.5	27.0	0bps	50bps	0bps

Source: BOBCAPS Research

Fig 14 – Valuation summary

Particulars	
Embedded Value (FY26E) (Rs bn)	647
PV of Future business (Rs bn)	1,175
Total value (Rs bn)	1,822
Current P/EV (FY26E) (x)	2.2
Implied P/EV (FY26E) (x)	2.8
Implied Target Price (Rs)	850
Current Price (Rs)	638
Upside (%)	33.2
Source: BOBCAPS Research	

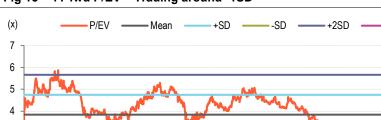


-2SD

Vov-22 Feb-23 Sep-23

Jan-24

Jun-23



Mar-20

Jul-20 Oct-20 Feb-21 May-21 Sep-21 Sep-21 Dec-21 Jul-22 Jul-22

Fig 15 – 1Y fwd P/EV – Trading around -1SD

Key risks

Jun-18 Oct-18 Jan-19 May-19 Aug-19 Dec-19

Source: Company, BOBCAPS Research

Nov-17 Mar-18

Key downside risks to our estimates are:

- Change in regulatory framework: Any unfavourable change in regulations can affect business growth. For example, ULIP proceeds are currently taxed to the extent the yearly premium exceeds Rs 0.25mn. Similarly, any change in income tax rate for insurance companies can adversely impact profitability.
- Losses from capital and bond markets: Prolonged weakness in capital markets could hamper the growth of ULIPs. Although insurance companies are opting for a balanced product mix, many of them have sizeable business coming from ULIPs.
- Increasing interest rates: The guaranteed return businesses can be affected by an increase in interest rates as other financial instruments (e.g. deposits) become more attractive.
- Adverse economic events: A significant economic decline may result in financial difficulties or defaults by issuers of bonds in the company's investment portfolios. The shareholders' equity and earnings and policyholders' funds may also be affected by fair value revaluation of bonds held in investment portfolios.
- High surrender of policies: Life insurance companies face the risk of surrendered policies. In ULIPs, customers can withdraw policies after five years even if they have been taken for longer durations. Policies can also be surrendered in case of job loss and monetary requirements, among other factors, which lowers the persistency ratios.



Sector recommendation snapshot

Company	Ticker	Market Cap (US\$ bn)	Price (Rs)	Target (Rs)	Rating
HDFC Life	HDFCLIFE IN	16.6	638	850	BUY
ICICI Prudential Life	IPRU IN	9.3	530	604	HOLD
LIC	LICI IN	63.8	829	965	BUY
SBI Life	SBILIFE IN	17.5	1,435	1,970	BUY

Source: BOBCAPS Research, NSE | Price as of 12 Jan 2024

Glossary

Glossary of A	Glossary of Abbreviations							
APE	Annual Premium Equivalent	NBP	New Business Premium					
EOM	Expenses of Management	ROEV	Return on Embedded Value					
EV	Embedded Value	ROP	Return of Premium					
EVOP	Embedded Value Operating Profit	RWRP	Retail Weighted Received Premium					
HNI	High Net Worth Individuals	ULIP	Unit Linked Insurance Plan					
IRDAI	Insurance Regulatory and Development Authority	VNB	Value of New Business					

Source: BOBCAPS Research



Financials

Revenue Account (Technical)

Y/E 31 Mar (Rs mn)	FY22A	FY23A	FY24E	FY25E	FY26E
Gross premium income	4,59,628	5,75,334	6,64,387	7,61,237	8,80,188
First year premium	80,544	1,13,239	1,20,981	1,38,954	1,61,187
Renewal premium	2,18,080	2,84,483	3,38,064	3,90,188	4,49,771
Single premium	1,61,005	1,77,612	2,05,342	2,32,095	2,69,230
Net written premium	4,53,965	5,67,640	6,55,669	7,51,210	8,68,581
Income from investments	1,92,159	1,25,975	3,68,557	3,95,228	4,47,460
Other Income	7,460	13,439	14,343	15,316	16,311
Total income	6,53,584	7,07,054	10,38,569	11,61,753	13,32,351
Commissions	19,403	28,868	42,259	43,598	50,404
Operating expenses	53,591	84,693	94,605	1,06,586	1,23,250
Benefits and bonuses paid	3,18,637	3,88,723	3,63,313	4,71,474	5,47,378
Change in liabilities (net)	2,46,815	1,85,862	5,13,293	5,09,041	5,77,406
Others	0	0	0	0	0
Total expenses	6,38,446	6,88,146	10,13,470	11,30,699	12,98,438
Surplus before tax	15,137	18,908	25,100	31,054	33,913
Provision for tax	5,541	5,319	10,456	11,631	13,231
Surplus after tax	9,597	13,589	14,643	19,423	20,682
Trf to shareholders' a/c	10,093	14,689	13,542	17,301	18,122
Balance being FFA	(497)	(1,101)	1,101	2,123	2,560

Income Statement (Non-technical)

Y/E 31 Mar (Rs mn)	FY22A	FY23A	FY24E	FY25E	FY26E
Trf from policyholders' a/c	10,093	14,689	13,542	17,301	18,122
Income from investments	7,894	7,197	11,556	11,858	13,637
Contr. to policyholders' fund	5,694	8,797	9,237	9,699	10,184
Others	(492)	(368)	(492)	(629)	(780)
PBT	11,801	12,722	15,369	18,830	20,794
Provision for taxation	(276)	(877)	384	471	520
PAT	12,077	13,599	14,985	18,360	20,274
Dividend+Interim div.+DDT	4,135	4,056	5,337	5,337	5,337

Y/E 31 Mar (Rs mn)	FY22A	FY23A	FY24E	FY25E	FY26E
Equity	1,54,859	1,29,868	1,39,287	1,52,310	1,67,247
Policyholders' funds	18,30,312	22,06,290	28,60,781	33,69,822	39,47,228
FFA	9,409	12,354	14,207	15,912	17,822
Others	1,09,313	1,28,737	1,38,757	1,42,134	1,58,178
Total liabilities	21,03,892	24,77,249	31,53,033	36,80,178	42,90,475
Shareholders' funds	1,52,379	1,31,319	1,57,583	1,81,220	2,08,403
Policyholders' funds	10,83,110	14,64,485	19,91,597	23,99,839	28,91,281
Assets to cover linked liab.	8,06,215	7,92,015	9,10,817	9,83,682	10,62,377
Others	62,188	89,430	93,036	1,15,437	1,28,415
Total assets	21,03,892	24,77,249	31,53,033	36,80,178	42,90,475
Y/E 31 Mar	FY22A	FY23A	FY24E	FY25E	FY26E
Key Metrics					
AUM (Rs mn)	20,41,704	24,00,000	30,86,990	35,98,693	42,05,087
NBP (Rs mn)	2,41,548	2,90,851	3,26,323	3,71,049	4,30,417
APE (Rs mn)	97,580	1,33,400	1,44,107	1,65,134	1,91,555
VNB (Rs mn)	26,737	36,818	38,188	44,586	51,720
VNB margin (%)	27.4	27.6	26.5	27.0	27.0
Embedded value (Rs mn)	3,00,470	3,94,988	4,75,439	5,54,723	6,47,484
ROEV (%)	16.6	19.6	18.2	17.8	17.7
ROE (%)	10.0	9.6	11.1	12.6	12.7
Opex ratio (%)	12.2	14.7	14.2	13.9	13.9
Cost ratio (%)	16.4	19.7	20.5	19.7	19.7
Solvency ratio (%)	175.7	203.2	183.2	180.4	180.0
		6.4	7.0	8.6	9.5
EPS (Rs)	5.9	0.4	1.0	0.0	0.0
• • • •	5.9 75.7	60.8	65.2	71.3	78.3

Source: Company, BOBCAPS Research

HDFC LIFE



NOT FOR DISTRIBUTION, DIRECTLY OR INDIRECTLY, IN OR INTO THE UNITED STATES OF AMERICA ("US") OR IN OR INTO ANY OTHER JURISDICTION IF SUCH AN ACTION IS PROHIBITED BY APPLICABLE LAW.

Disclaimer

Name of the Research Entity: **BOB Capital Markets Limited** Registered office Address: **1704, B Wing, Parinee Crescenzo, G Block, BKC, Bandra East, Mumbai 400051** SEBI Research Analyst Registration No: **INH000000040 valid till 03 February 2025** Brand Name: **BOBCAPS** Trade Name: www.barodaetrade.com



Investments 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.

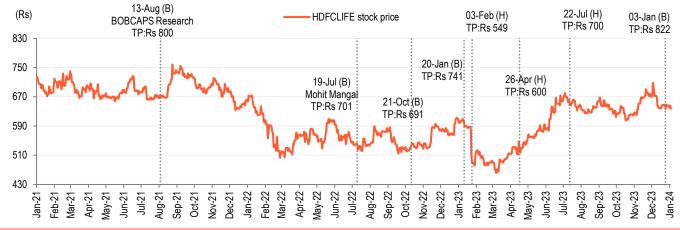
Recommendation scale: Recommendations and Absolute returns (%) over 12 months

BUY – Expected return >+15% HOLD – Expected return from -6% to +15% SELL – Expected return <-6%

Note: Recommendation structure changed with effect from 21 June 2021

Our recommendation scale does not factor in short-term stock price volatility related to market fluctuations. Thus, our recommendations may not always be strictly in line with the recommendation scale as shown above.

Ratings and Target Price (3-year history): HDFC LIFE (HDFCLIFE IN)



B - Buy, H - Hold, S - Sell, A - Add, R - Reduce

Analyst certification

The research analyst(s) authoring this report hereby certifies that (1) all of the views expressed in this research report accurately reflect his/her personal views about the subject company or companies and its or their securities, and (2) no part of his/her compensation was, is, or will be, directly or indirectly, related to the specific recommendation(s) or view(s) in this report. Analysts are not registered as research analysts by FINRA and are not associated persons of BOB Capital Markets Limited (BOBCAPS).

General disclaimers

BOBCAPS is engaged in the business of Stock Broking and Investment Banking. BOBCAPS is a member of the National Stock Exchange of India Limited and BSE Limited and is also a SEBI-registered Category I Merchant Banker. BOBCAPS is a wholly owned subsidiary of Bank of Baroda which has its various subsidiaries engaged in the businesses of stock broking, lending, asset management, life insurance, health insurance and wealth management, among others.

BOBCAPS's activities have neither been suspended nor has it defaulted with any stock exchange authority with whom it has been registered in the last five years. BOBCAPS has not been debarred from doing business by any stock exchange or SEBI or any other authority. No disciplinary action has been taken by any regulatory authority against BOBCAPS affecting its equity research analysis activities.

BOBCAPS is also a SEBI-registered intermediary for the broking business having SEBI Single Registration Certificate No.: INZ000159332 dated 20 November 2017.

BOBCAPS prohibits its analysts, persons reporting to analysts, and members of their households from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover. Additionally, BOBCAPS prohibits its analysts and persons reporting to analysts from serving as an officer, director, or advisory board member of any companies that the analysts cover.

Our salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients that reflect opinions contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all of the foregoing, among other things, may give rise to real or potential conflicts of interest. Additionally, other important information regarding our relationships with the company or companies that are the subject of this material is provided herein.

This material should not be construed as an offer to sell or the solicitation of an offer to buy any security in any jurisdiction We are not soliciting any action based on this material. It is for the general information of BOBCAPS's clients. It does not constitute a personal recommendation or take into account the particular investment objectives, financial situations, or needs of individual clients. Before acting on any advice or recommendation in this material, clients should consider whether it is suitable for their particular circumstances and, if necessary, seek professional advice. BOBCAPS research reports follow rules laid down by Securities and Exchange Board of India and individuals employed as research analysts are separate from other employees who are performing sales trading, dealing, corporate finance advisory or any other activity that may affect the independence of its research reports.



The price and value of the investments referred to in this material and the income from them may go down as well as up, and investors may realize losses on any investments. Past performance is not a guide for future performance, future returns are not guaranteed and a loss of original capital may occur. BOBCAPS does not provide tax advice to its clients, and all investors are strongly advised to consult with their tax advisers regarding any potential investment in certain transactions — including those involving futures, options, and other derivatives as well as non-investment-grade securities — that give rise to substantial risk and are not suitable for all investors. The material is based on information that we consider reliable, but we do not represent that it is accurate or complete, and it should not be relied on as such. Opinions expressed are our current opinions as of the date appearing on this material only. We endeavour to update on a reasonable basis the information discussed in this material, but regulatory, compliance, or other reasons may prevent us from doing so.

We and our affiliates, officers, directors, and employees, including persons involved in the preparation or issuance of this material, may from time to time have "long" or "short" positions in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein and may from time to time add to or dispose of any such securities (or investment). We and our affiliates may assume an underwriting commitment in the securities of companies discussed in this document (or in related investments), may sell them to or buy them from customers on a principal basis, and may also perform or seek to perform investment banking or advisory services for or relating to these companies and may also be represented in the supervisory board or any other committee of these companies.

For the purpose of calculating whether BOBCAPS and its affiliates hold, beneficially own, or control, including the right to vote for directors, one per cent or more of the equity shares of the subject company, the holdings of the issuer of the research report is also included.

BOBCAPS and its non-US affiliates may, to the extent permissible under applicable laws, have acted on or used this research to the extent that it relates to non-US issuers, prior to or immediately following its publication. Foreign currency denominated securities are subject to fluctuations in exchange rates that could have an adverse effect on the value or price of or income derived from the investment. In addition, investors in securities such as ADRs, the value of which are influenced by foreign currencies, effectively assume currency risk. In addition, options involve risks and are not suitable for all investors. Please ensure that you have read and understood the Risk disclosure document before entering into any derivative transactions.

No part of this material may be (1) copied, photocopied, or duplicated in any form by any means or (2) redistributed without BOBCAPS's prior written consent.

Company-specific disclosures under SEBI (Research Analysts) Regulations, 2014

The research analyst(s) or his/her relatives do not have any material conflict of interest at the time of publication of this research report.

BOBCAPS or its research analyst(s) or his/her relatives do not have any financial interest in the subject company. BOBCAPS or its research analyst(s) or his/her relatives do not have actual/beneficial ownership of one per cent or more securities in the subject company at the end of the month immediately preceding the date of publication of this report.

The research analyst(s) has not received any compensation from the subject company or third party in the past 12 months in connection with research report/activities. Compensation of the research analyst(s) is not based on any specific merchant banking, investment banking or brokerage service transactions.

BOBCAPS or its research analyst(s) is not engaged in any market making activities for the subject company

The research analyst(s) has not served as an officer, director or employee of the subject company.

BOBCAPS or its associates may have material conflict of interest at the time of publication of this research report.

BOBCAPS's associates may have financial interest in the subject company. BOBCAPS's associates may hold actual / beneficial ownership of one per cent or more securities in the subject company at the end of the month immediately preceding the date of publication of this report.

BOBCAPS or its associates may have managed or co-managed a public offering of securities for the subject company or may have been mandated by the subject company for any other assignment in the past 12 months.

BOBCAPS may have received compensation from the subject company in the past 12 months. BOBCAPS may from time to time solicit or perform investment banking services for the subject company. BOBCAPS or its associates may have received compensation from the subject company in the past 12 months for services in respect of managing or co-managing public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory services in a merger or specific transaction. BOBCAPS or its associates may have received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past 12 months.

Other disclaimers

BOBCAPS and MAYBANK (as defined below) make no representation or warranty, express or implied, as to the accuracy or completeness of any information obtained from third parties and expressly disclaim the merchantability, suitability, quality and fitness of this report. The information in this report has not been independently verified, is provided on an "as is" basis, should not be relied on by you in connection with any contract or commitment, and should not be used as a substitute for enquiries, procedures and advice which ought to be undertaken by you. This report also does not constitute an offer or solicitation to buy or sell any securities referred to herein and you should not construct this report as investment advice. All opinions and estimates contained in this report constitute BOBCAPS's judgment as of the date of this report and are subject to change without notice, and there is no obligation on BOBCAPS or MAYBANK to update this report upon issuance. This report and the information contained herein may not be reproduced, redistributed, disseminated or copied by any means without the prior consent of BOBCAPS and MAYBANK.

To the full extent permitted by law neither BOBCAPS, MAYBANK nor any of their respective affiliates, nor any other person, accepts any liability howsoever arising, whether in contract, tort, negligence, strict liability or any other basis, including without limitation, direct or indirect, special, incidental, consequential or punitive damages arising from any use of this report or the information contained herein. By accepting this report, you agree and undertake to fully indemnify and hold harmless BOBCAPS and MAYBANK from and against claims, charges, actions, proceedings, losses, liabilities, damages, expenses and demands (collectively, the "Losses") which BOBCAPS and/or MAYBANK may incur or suffer in any jurisdiction including but not limited to those Losses incurred by BOBCAPS and/or MAYBANK as a result of any proceedings or actions brought against them by any regulators and/or authorities, and which in any case are directly or indirectly occasioned by or result from or are attributable to anything done or omitted in relation to or arising from or in connection with this report.

Distribution into the United Kingdom ("UK"):

This research report will only be distributed in the United Kingdom, in accordance with the applicable laws and regulations of the UK, by Maybank Securities (London) Ltd) ("MSL") who is authorised and regulated by the Financial Conduct Authority ("FCA") in the United Kingdom (MSL and its affiliates are collectively referred to as "MAYBANK"). BOBCAPS is not authorized to directly distribute this research report in the UK.

This report has not been prepared by BOBCAPS in accordance with the UK's legal and regulatory requirements.

This research report is for distribution only to, and is solely directed at, selected persons on the basis that those persons: (a) are eligible counterparties and professional clients of MAYBANK as selected by MAYBANK solely at its discretion; (b) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended from time to time (the "Order"), or (c) fall within Article 49(2)(a) to (d) (high net worth companies, unincorporated associations, etc. as mentioned in the stated Article) of the Order; (all such persons together being referred to as "relevant persons").

This research report is directed only at relevant persons and must not be acted on or relied on by any persons who are not relevant persons. Any investment or investment activity to which this material relates is available only to relevant persons and will be engaged in only with relevant persons.

The relevant person as recipient of this research report is not permitted to reproduce, change, remove, pass on, distribute or disseminate the data or make it available to third parties without the written permission of BOBCAPS or MAYBANK. Any decision taken by the relevant person(s) pursuant to the research report shall be solely at their costs and consequences and BOBCAPS and MAYBANK shall not have any liability of whatsoever nature in this regard.

No distribution into the US:

This report will not be distributed in the US and no US person may rely on this communication.

Other jurisdictions:

This report has been prepared in accordance with SEBI (Research Analysts) Regulations and not in accordance with local regulatory requirements of any other jurisdiction. In any other jurisdictions, this report is only for distribution (subject to applicable legal or regulatory restrictions) to professional, institutional or sophisticated investors as defined in the laws and regulations of such jurisdictions by Maybank Securities Pte Ltd. (Singapore) and / or by any broker-dealer affiliate or such other affiliate as determined by Malayan Banking Berhad.

If the recipient of this report is not as specified above, then it should not act upon this report and return the same to the sender.

By accepting this report, you agree to be bound by the foregoing limitations.