MOTILAL OSWAL

FINANCIAL SERVICES

Apollo Hospitals

Estimate change	1
TP change	1
Rating change	

Bloomberg	APHS IN
Equity Shares (m)	139
M.Cap.(INRb)/(USDb)	925.6 / 11.1
52-Week Range (INR)	6474 / 4078
1, 6, 12 Rel. Per (%)	10/18/25
12M Avg Val (INR M)	2289

Y/E March	FY24E	FY25E	FY26E
Sales	188.9	214.6	250.9
EBITDA	23.8	27.9	36.1
Adj. PAT	9.3	13.8	19.4
EBIT Margin (%)	12.6	13.0	14.4
Cons. Adj. EPS (INR)	64.5	95.7	135.2
EPS Gr. (%)	33.9	48.4	41.3
BV/Sh. (INR)	506.1	599.0	732.7
Ratios			
Net D:E	0.1	-0.1	-0.3
RoE (%)	14.0	17.9	21.0
RoCE (%)	13.9	17.1	20.3
Payout (%)	9.1	6.1	4.3
Valuations			
P/E (x)	99.8	67.2	47.6
EV/EBITDA (x)	39.5	33.1	25.0
Div. Yield (%)	0.1	0.1	0.1
FCF Yield (%)	1.0	2.1	2.6
EV/Sales (x)	5.0	4.3	3.6

Shareholding pattern (%)

Dec-23	Sep-23	Dec-22
29.3	29.3	29.3
19.1	18.8	16.8
46.3	46.2	47.9
5.3	5.5	5.9
	29.3 19.1 46.3	29.3 29.3 19.1 18.8 46.3 46.2

FII Includes depository receipts

CMP: INR6,437

TP: INR7,400 (+15%)

Buy

Better realization drives healthcare performance

Healthco achieves break-even in 3Q

- Apollo Hospitals (APHS) delivered marginally better-than-expected performance for 3QFY24. Healthy growth in ARPOB/in-patient volume and EBITDA break-even in Healthco (digital health and pharmacy distribution) has led to superior profitability despite 3Q traditionally considered to be a seasonally weaker quarter.
- We raise our earnings estimate by 3%/2% for FY25/FY26, factoring a) the faster turnaround of the Apollo 24/7 business, b) initiatives aimed at enhancing occupancy rates, and c) tariff hikes in the institutional patient category. We value APHS on SOTP basis (27x 12M forward EV/EBITDA for healthcare services, 12x 12M forward EV/EBITDA for backend pharmacy, 20x 12M forward EV/EBITDA for front-end pharmacy, 2x EV/sales for Apollo 24/7 and 25x EV/EBITDA for AHLL) to arrive at a price target of INR7,400.
- APHS is implementing efforts across segments adding 2K beds over the next three years, improving payor mix to drive better ARPOB, and building tailwinds for GMV growth as well as improve operational efficiency. This would drive 15%/23% revenue/EBITDA CAGR over FY24-26. We reiterate our BUY rating on the stock.

ARPOB growth/improved traction in Healthco drives overall margins

- APHS 3QFY24 revenues grew 14% YoY to INR48.5b (est. INR47b).
- EBITDA margin expanded 80bp YoY to 12.7% (our est: 12.6%) due to lower employee/other expenses (down 60bp/40 YoY as a percentage of sales) offset by higher RM cost (+20 bp YoY as a percentage of sales).
- EBITDA grew 21% YoY to INR6.1b (our est: INR5.9b).
- Adj. PAT grew 60% YoY to INR2.5b (our est: INR2.4b).
- In 9MFY24, Revenue/EBITDA/PAT grew 15%/12%/24% YoY to INR141b/ INR17.5b/INR6.4b.
- Hospital segment revenue grew 12% YoY to INR24.6b, driven by volume growth of 7.7% YoY and price/case mix growth of 4.3% YoY.
- Hospital segment EBITDA margin contracted 90bp YoY to 23.8%.
- HealthCo revenue grew 17% YoY to INR20.5b during the period.
- AHLL's revenue grew 8% YoY to INR3.4b.

Highlights from the management commentary

- APHS guided for GMV to grow 75% YoY to INR28b for FY24. It expects 60-70% YoY growth in GMV in FY25. 3Q has been an exceptional period in terms of GMV and we anticipate improvements going forward.
- APHS remains confident of achieving 14% YoY growth in revenue in healthcare services in FY24. It expects to achieve 15% YoY growth in healthcare services revenue in FY25.
- With health-co EBITDA break-even in 3QFY24, it expects Apollo 24/7 to achieve EBITDA break even in six to eight quarters.

Tushar Manudhane - Research Analyst (Tushar.Manudhane@MotilalOswal.com)

Research Analyst: Sumit Gupta (Sumit.G@MotilalOswal.com) | Akash Manish Dobhada (Akash.Dobhada@MotilalOswal.com

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

Consolidated - Quarterly Earning Model										(1	NRm)	
Y/E March		FY	23			FY2	24E		FY23	FY24E	FY24E	vs Est
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE	_		3QE	(%)
Gross Sales	37,956	42,511	42,636	43,022	44,178	48,469	48,506	47,769	166,124	188,9 <mark>22</mark>	47,092	3.0%
YoY Change (%)	0.9	14.4	17.2	21.3	16.4	14.0	13.8	11.0	13.3	13.7	10.5	
Total Expenditure	33,049	36,857	37,582	38,141	39,088	42,194	42,369	41,467	145,628	165,118	41,158	
EBITDA	4,908	5,654	5,054	4,881	5,090	6,275	6,137	6,302	20,496	23,804	5,934	3.4%
YoY Change (%)	-5.6	-8.1	-13.9	5.4	3.7	11.0	21.4	29.1	-6.2	16.1	17.4	
Margins (%)	12.9	13.3	11.9	11.3	11.5	12.9	12.7	13.2	12.3	12.6	12.6	
Depreciation	1,478	1,550	1,534	1,591	1,669	1,634	1,670	1,657	6,152	6,630	1,590	
Interest	927	927	1,000	954	1,062	1,113	1,126	1,013	3,808	4,314	1,120	
Other Income	161	226	354	164	282	222	278	314	903	1,096	250	
PBT before EO expense	2,663	3,402	2,874	2,500	2,641	3,750	3,619	3,946	11,439	13,956	3,474	4.2%
Extra-Ord expense/(Income)	0	0	0	0	0	-19	0	0	0	-19	0	
РВТ	2,663	3,402	2,874	2,500	2,641	3,769	3,619	3,946	11,439	13,975	3,474	4.2%
Tax	-695	1,142	1,035	1,080	966	1,300	1,089	838	2,562	4,193	973	
Rate (%)	-26.1	33.6	36.0	43.2	36.6	34.5	30.1	21.2	22.4	30.0	28.0	
Minority Interest & Profit/Loss of Asso. Cos.	187	220	303	-25	9	140	77	274	687	500	140	
Reported PAT	3,171	2,040	1,535	1,445	1,666	2,329	2,453	2,835	8,190	9,283	2,361	3.9%
Adj PAT	1,623	2,040	1,535	1,725	1,666	2,317	2,453	2,835	6,923	9,269	2,361	3.9%
YoY Change (%)	-43.2	-23.7	-36.9	-5.3	2.6	13.6	59.8	64.3	-29.3	33.9	53.8	
Margins (%)	4.3	4.8	3.6	4.0	3.8	4.8	5.1	5.9	4.2	4.9	5.0	

E: MOFSL Estimates

Key performance Indicators (Consolidated)

Y/E March		FY	23			FY24E				FY24E	FY2	4E
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE	-		3QE	vs Est
Hospital Revenue (Mature) (INRm)	14,466	15,920	15,422	15,185	15,845	17,500	17,245	17,385	60,993	67,975	16,656	3.5%
YoY Growth (%)	14.1	9.3	9.2	18.4	9.5	9.9	11.8	14.5	12.5	11.4	8.0	
Hospital Revenue (New) (INRm)	5,768	6,725	6,522	6,761	7,092	7,972	7,391	6,936	25,775	29,391	7,488	-1.3%
YoY Growth (%)	-8.0	1.3	16.8	27.1	23.0	18.5	13.3	2.6	8.2	14.0	14.8	
Back end distribution (INRm)	14,792	16,683	17,578	17,992	18,054	19,454	20,493	19,984	67,045	77,985	19,512	5.0%
YoY Growth (%)	-2.2	42.9	34.5	30.9	22.1	16.6	16.6	11.1	25.1	16.3	11.0	
AHLL Revenue (INRm)	2,930	3,183	3,114	3,084	3,187	3,542	3,377	3,465	12,311	13,571	3,436	-1.7%
YoY Growth (%)	-5.2	-16.5	-0.6	-0.2	8.8	11.3	8.4	12.4	-6.2	10.2	10.3	
Cost Break-up												
Gross Margin (%)	48.6	48.9	48.0	48.1	48.7	49.3	47.8	50.7	48.4	49.1	49.1	
EBITDA Margin (%)	12.9	13.3	11.9	11.3	11.5	12.9	12.7	13.2	12.3	12.6	12.6	
PAT Margin (%)	4.3	4.8	3.6	4.0	3.8	4.8	5.1	5.9	4.2	4.9	5.0	



Highlights from the management commentary

- It remains on track to add 2K beds over the next two to three years
- It added 119 pharmacy stores in 3QFY24, taking the total number of stores to 5,790.
- Transacting user base grew 18% YoY to 1.2m for Apollo 24/7.
- The overall ARPOB grew 9.5% YoY for the quarter. The in-patient volume grew moderately by 5.7% YoY, while out-patient volume reduced 2% YoY.
- Net debt stood at INR15.5b at the end of 3QFY24.

Other operational highlights

Hospitals segment (51% of sales)

- In 3QFY24, ARPOB grew 10% YoY to INR56k, and occupancy increased 100bp YoY to 66%. Total operating beds increased 1% YoY to 7,911.
- In metro cities, APHS had 4,543 operating beds with an ARPOB/occupancy of INR69k/67%. In non-metro cities, APHS had 3,368 operating beds with an ARPOB/occupancy of INR39k/62%.

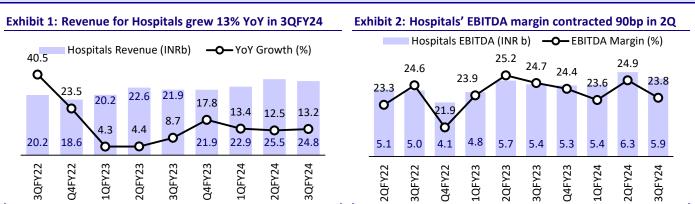
Healthco (offline/online pharmacy and Apollo 24/7; 42% of sales)

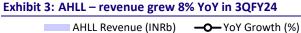
- In 3QFY24, Healthco turned EBITDA positive vs a loss of INR629m in 3QFY23. It
 was due to cost optimization and growth in operational revenue coming from
 Pharmacy distribution.
- In 3QFY24, 119 net new stores were opened, taking the total count to 5,790.
- GMV of Apollo 24/7 stood at INR6.6b (up 21% YoY, down 9% QoQ).

AHLL (7% of sales)

- In 3QFY24, Diagnostics/Primary care/Specialty care revenue grew 19%/5%/3% YoY to INR1b/INR0.9b/INR1.5b.
- Footfalls per day in Diagnostics increased 28% YoY. In Specialty care, footfalls per day increased 32%/10% YoY in Fertility/Cradle segments. Within primary care, the Dialysis segment witnessed 16% YoY growth in footfalls per day.

Key exhibits





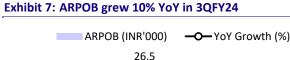


Source: MOFSL, Company





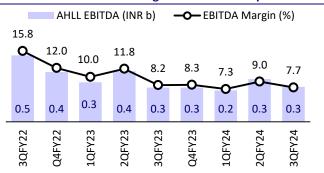
Source: MOFSL, Company



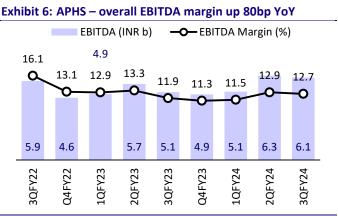


Source: MOFSL, Company



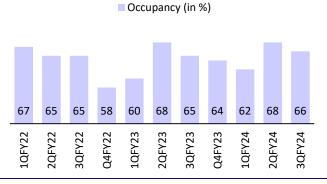


Source: MOFSL, Company



Source: MOFSL, Company

Exhibit 8: Occupancy increased 100bp YoY in 3QFY24



Source: MOFSL, Company

MOTILAL OSWAL

Exhibit 9: Growth in store additions in 3QFY24 Exhibit 10: Revenue to GMV ratio increased in 3QFY24 24/7 GMV (INRm) Store additions 24/7 Revenue (INRm) 7256 6579 6227 5930 5430 2539 2322 2310 2117 1767 129 98 139 232 241 426 113 119 45 32 98 1QFY24 2QFY24 1QFY22 2QFY22 1QFY23 2QFY23 3QFY23 3QFY22 Q4FY22 3QFY24 Q4FY23 2QFY24 3QFY23 Q4FY23 1QFY24 3QFY24

Source: MOFSL, Company

Source: MOFSL, Company

Focused strategy across hospitals as well as Healthco

Hospitals: Efforts underway to improve occupancy/ARPOB

- In 9MFY24, Hospitals segment's revenue grew 13% YoY to INR73b. This growth was led by 13% YoY growth in ARPOB to ~INR57k. The occupancy rate grew modestly by 100bp to 65%.
- Expansion in ARPOB led to 16% YoY growth in self-pay and insurance and robust growth in international revenue.
- Going forward, APHS plans to further improve occupancy through its own network and international patients.
- Additionally, over FY24-27, APHS has planned a total capital outlay of ~INR34b to add 2,860 beds remains on track.
- We expect 14% sales CAGR in the hospitals segment to INR127b over FY24-26.

Profitability led growth in Offline/online pharmacy

- In 9MFY24, offline pharmacy revenue grew 16% YoY to INR51b. Moreover, online pharmacy revenue jumped 18% YoY to INR6.6b.
- In 9MFY24, APHS aggressively expanded its store presence, adding 249 stores and bringing the total count to 5,790.
- Interestingly, the GMV of 24/7 increased 91% YoY to INR20b in 9MFY24.
- We expect 15% sales CAGR in the back-end pharmacy segment to INR89b over FY24-26.

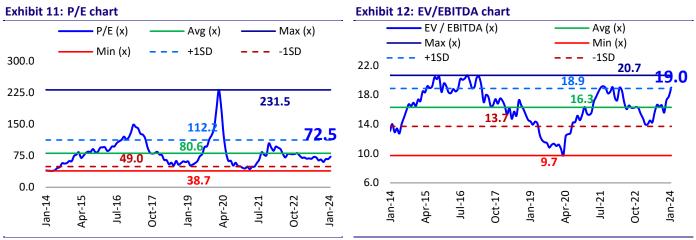
AHLL: Network expansion in Diagnostics/Specialty Care to drive growth

- In 9MFY24, AHLL sales grew 10% YoY to INR10b. The diagnostics segment outperformed, registering a 23% YoY growth compared to the industry's 8-10% YoY growth. Both the Primary and Specialty care segments witnessed a 4% growth.
- Within diagnostics, the Preventive Health Screening/Wellness segment grew 34% YoY. It will continue to be an area of focus and is likely to drive growth in the diagnostics segment.
- The diagnostics margin profile would reach mid-teens level by year-end, driven by cost-optimization initiatives such as franchisee payout restructuring and logistics optimization. Moreover, it will enhance the number of tests offered to more than 1,500 by CY24.

- In Specialty care, footfalls per day grew 31% YoY in fertility and 15% in Cradle. Additionally, the dialysis segment witnessed 20% YoY growth in footfalls per day.
- Interestingly, it is focused on increasing footfalls across the spectrum. A cradle centre with comprehensive women & childcare services is planned to be commissioned in Bangalore (Electronic City) by the end of 4QFY24. In fertility, the focus is on ramping up volumes to improve margin profile as fixed costs are expected to remain stable going forward.
- Accordingly, we project a 12%/27% CAGR in sales/EBITDA in this segment over FY24-26.

Reiterate BUY

- We raise our earnings estimate by 3%/2% for FY25/FY26, factoring a) a faster turnaround of the Apollo 24/7 business, b) initiatives aimed at enhancing occupancy rates and c) tariff hikes in the institutional patient category. We value APHS on an SOTP basis (27x 12M forward EV/EBITDA for healthcare services, 12x 12M forward EV/EBITDA for backend pharmacy, 20x 12M forward EV/EBITDA for front-end pharmacy, 2x EV/sales for Apollo 24/7, and 25x EV/EBITDA for AHLL) to arrive at a price target of INR7,400.
- APHS is implementing efforts across segments adding 2K beds over the next three years, improving payor mix to drive better ARPOB, and building tailwinds for GMV growth as well as improve operational efficiency. This would drive 15%/23% revenue/EBITDA CAGR over FY24-26. We reiterate our **BUY** rating on the stock.



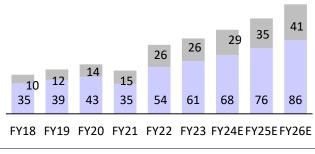
Source: MOFSL, Company, Bloomberg

Source: MOFSL, Company, Bloomberg

Story in charts

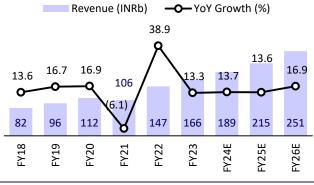
Exhibit 13: We expect 12% sales CAGR over FY24-26 in the hospitals segment

Mature hospitals (INRb) New hospitals incl proton (INRb)



Source: Company, MOFSL

Exhibit 15: Expect 15% overall revenue CAGR over FY24-26



Source: Company, MOFSL



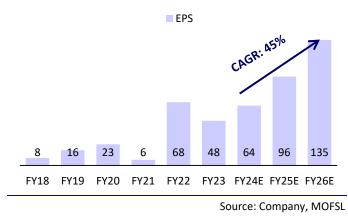
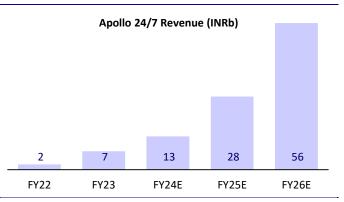
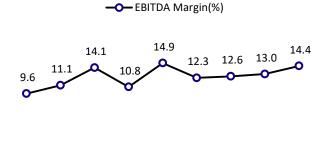


Exhibit 14: Expect exponential growth in Apollo 24/7 revenues



Source: Company, MOFSL

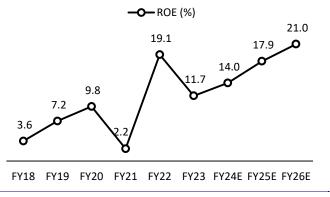
Exhibit 16: Expect overall EBITDA margin to expand 180bp over FY24-26



FY18 FY19 FY20 FY21 FY22 FY23 FY24E FY25E FY26E

Source: Company, MOFSL

Exhibit 18: Expect ROE to increase over FY24-26



Source: Company, MOFSL

Financials and valuation

Consolidated - Income Statement

Consolidated - Income Statement									(INRm)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Total Income from Operations	82,435	96,174	112,468	105,600	146,626	166,124	188,922	214,629	250,920
Change (%)	13.6	16.7	16.9	-6.1	38.9	13.3	13.7	13.6	16.9
Total Expenditure	74,503	85,538	96,596	94,226	124,775	145,628	165,118	186,727	214,788
% of Sales	90.4	88.9	85.9	89.2	85.1	87.7	87.4	87.0	85.6
EBITDA	7,932	10,637	15,872	11,374	21,851	20,496	23,804	27,902	36,133
Margin (%)	9.6	11.1	14.1	10.8	14.9	12.3	12.6	13.0	14.4
Depreciation	3,590	3 <i>,</i> 955	6,197	5,731	6,007	6,152	6,630	6,413	6,656
EBIT	4,341	6,681	9,675	5,643	15,844	14,343	17,174	21,488	29,477
Int. and Finance Charges	2,951	3,270	5,328	4,492	3,786	3,808	4,314	3,688	3,274
Other Income	322	324	270	450	781	903	1,096	1,245	1,255
PBT bef. EO Exp.	1,712	3,736	4,617	1,601	12,839	11,439	13,956	19,045	27,458
EO Items	0	0	1,952	614	2,941	0	19	0	0
PBT after EO Exp.	1,712	3,736	6,569	2,215	15,781	11,439	13,975	19,045	27,458
Total Tax	1,119	1,734	2,252	847	4,770	2,562	4,193	4,761	7,469
Tax Rate (%)	65.4	46.4	34.3	38.2	30.2	22.4	30.0	25.0	27.2
Minority Interest	-579	-359	-231	-8	454	687	500	525	551
Reported PAT	1,172	2,361	4,548	1,368	10,557	8,190	9,283	13,759	19,438
Adjusted PAT	1,172	2,361	3,265	870	9,787	6,923	9,269	13,759	19,438
Change (%)	-47.0	101.5	38.3	-73.4	1,024.9	-29.3	33.9	48.4	41.3
Margin (%)	1.4	2.5	2.9	0.8	6.7	4.2	4.9	6.4	7.7

Consolidated - Balance Sheet									(INRm)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Equity Share Capital	696	696	696	719	719	719	719	719	719
Total Reserves	31,819	32,639	32,695	45,306	55,733	61,253	69,694	82,611	101,208
Net Worth	32,515	33,335	33,390	46,025	56,452	61,971	70,413	83,330	101,927
Minority Interest	1,324	1,355	1,307	1,999	2,543	3,341	3,341	3,341	3,341
Total Loans	39,017	41,534	38,567	30,846	26,357	27,103	25,103	20,203	15,303
Non-Current Lease Liabilities	0	0	18,676	12,301	13,333	14,983	14,983	14,983	14,983
Deferred Tax Liabilities	2,393	2,975	2,447	2,354	5,215	4,303	4,303	4,303	4,303
Capital Employed	75,250	79,198	94,387	93,525	103,900	111,702	118,144	126,161	139,858
Gross Block	56,846	62,594	98,760	92,371	107,815	115,853	125,231	131,307	134,922
Less: Accum. Deprn.	12,580	16,240	27,960	28,395	34,402	40,554	47,184	53,598	60,253
Net Fixed Assets	44,266	46,354	70,800	63,976	73,413	75,298	78,047	77,709	74,668
Goodwill on Consolidation	3,463	3,462	3,462	3,753	9,235	9,858	9,858	9,858	9,858
Capital WIP	7,122	8,218	2,356	2,339	455	6,098	5,720	2,644	2,029
Total Investments	3,520	4,617	4,631	13,659	8,063	5,777	5,777	5,777	5,777
Curr. Assets, Loans&Adv.	27,586	29,007	31,639	30,188	40,893	47,125	55,566	71,897	95,846
Inventory	5,658	5,848	7,378	2,495	4,318	3,902	4,424	5,003	5,755
Account Receivables	8,252	10,232	10,272	13,311	17,676	22,342	25,408	28,866	33,747
Cash and Bank Balance	4,172	3,470	4,668	7,244	10,359	7,758	10,809	21,074	36,523
Loans and Advances	9,503	9,457	9,321	7,138	8,541	13,123	14,924	16,954	19,821
Curr. Liability & Prov.	10,706	12,459	18,501	20,390	28,159	32,454	36,842	41,743	48,339
Account Payables	7,186	8,351	9,898	12,328	16,318	19,157	21,720	24,563	28,254
Other Current Liabilities	2,655	2,961	7,271	6,746	10,420	11,597	13,188	14,983	17,516
Provisions	866	1,147	1,331	1,316	1,421	1,701	1,934	2,197	2,569
Net Current Assets	16,880	16,548	13,138	9,798	12,734	14,671	18,723	30,154	47,507
Appl. of Funds	75,250	79,198	94,387	93,525	103,900	111,702	118,144	126,161	139,858

E: MOFSL Estimates

Financials and valuation

Ratios Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Basic (INR)	1110	1115	1120	1121	1122	1125	11246	TIZJE	TIZUL
EPS	8.1	16.4	22.7	6.1	68.1	48.2	64.5	95.7	135.2
Cash EPS	34.2	45.4	68.0	47.4	113.5	94.0	114.3	145.0	187.6
BV/Share	233.7	239.6	240.0	330.8	405.8	445.5	506.1	599.0	732.7
DPS	5.0	6.0	6.7	3.0	403.8	443.3 5.0	5.0	5.0	5.0
Payout (%)	69.5	42.6	22.4	31.5	8.0	10.3	9.1	6.1	4.3
Valuation (x)	09.5	42.0	22.4	51.5	0.0	10.5	9.1	0.1	4.5
P/E	789.4	391.8	283.2	1,063.1	94.5	133.6	99.8	67.2	47.6
Cash P/E	187.9	141.7	94.6	135.6	56.7	68.4	56.3	44.4	34.3
P/BV	27.5	26.8			15.9			10.7	
EV/Sales	11.3	<u>26.8</u> 9.7	26.8	19.4	6.4	14.4	12.7	4.3	8.8
			8.3	9.0		5.7	5.0		3.6
EV/EBITDA	117.2	87.7	58.5	83.4	43.1	46.1	39.5	33.1	25.0
Dividend Yield (%)	0.1	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.1
FCF per share	-6.0	16.7	56.2	69.1	67.0	17.3	66.8	132.0	165.3
Return Ratios (%)	2.6	7.0	0.0	2.2	10.1	447	110	17.0	24.0
RoE	3.6	7.2	9.8	2.2	19.1	11.7	14.0	17.9	21.0
RoCE	2.3	5.1	8.9	5.1	14.5	13.8	13.9	17.1	20.3
RoIC	2.5	5.8	8.7	4.6	14.2	12.6	12.8	16.7	22.3
Working Capital Ratios									
Fixed Asset Turnover (x)	1.5	1.5	1.1	1.1	1.4	1.4	1.5	1.6	1.9
Inventory (Days)	25	22	24	9	11	9	9	9	8
Debtor (Days)	37	39	33	46	44	49	49	49	49
Creditor (Days)	32	32	32	43	41	42	42	42	41
Leverage Ratio (x)									
Current Ratio	2.6	2.3	1.7	1.5	1.5	1.5	1.5	1.7	2.0
Interest Cover Ratio	1.5	2.0	1.8	1.3	4.2	3.8	4.0	5.8	9.0
Net Debt/Equity	1.0	1.0	0.9	0.2	0.1	0.2	0.1	-0.1	-0.3
Consol Cash Flow Statement									(INRm)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
OP/(Loss) before Tax	596	2,002	4,317	1,368	11,084	8,446	13,956	19,045	27,458
Depreciation	3,590	3,955	6,197	5,731	6,007	6,152	6,630	6,413	6,656
Interest & Finance Charges	2,766	3,125	5,155	4,274	3,786	3,808	3,218	2,443	2,019
Direct Taxes Paid	-1,251	-1,924	-3,061	353	-2,043	-3,820	-4,193	-4,761	-7,469
(Inc)/Dec in WC	-2,054	-458	-703	-721	-4,630	-4,500	-1,001	-1,167	-1,903
CF from Operations	-2,034 3,648	6,700	11,905	11,005	14,030	10,087	18,611	21,974	26,761
Others	1,722	2,350	1,024	1,729	1,953	3,684	0	0	20,701
CF from Operating incl EO			12,929	1,729 12,734		13,771			26,761
	5,370	9,050			16,156		18,611	21,974	
(Inc)/Dec in FA	-6,205	-6,720	-5,106	-2,804	-6,518	-11,285	-9,000	-3,000	-3,000
Free Cash Flow	-835	2,329	7,823	9,930	9,639	2,485	9,611	18,974	23,761
(Pur)/Sale of Investments	1,947	376	2,043	-6,207	-1,859	2,065	0	1 245	1 255
Others	209	-761	175	288	469	515	1,096	1,245	1,255
CF from Investments	-4,049	-7,106	-2,888	-8,723	-7,907	-8,706	-7,904	-1,755	-1,745
Issue of Shares	83	0	0	11,520	0	45	0	0	0
Inc/(Dec) in Debt	0	0	-571	-8,985	-2,866	688	-2,000	-4,900	-4,900
Interest Paid	-3,178	-3,620	-5,645	-4,676	-3,764	-2,514	-4,314	-3,688	-3,274
unudond lloid	1 000	077			433	1 5 70	0/1	0/1	0/1

Dividend Paid -1,008 -837 -1,551 -383 -433 -2,579 -841 -841 -841 **CF from Fin. Activity** -1,085 -2,145 -9,095 -3,567 -7,677 -5,582 -7,655 -9,954 -9,566 Inc/Dec of Cash 236 -201 946 444 572 -518 3,052 10,264 15,449 **Opening Balance** 2,829 3,064 2,862 3,808 4,252 4,824 4,306 7,358 17,622 Closing Balance 3,065 2,863 3,808 4,252 4,824 4,306 7,358 17,622 33,071 Bank Balance 1,108 606 860 2,992 5,535 3,452 3,452 3,452 3,452 **Total Cash and Cash Equivalent** 4,172 3,470 4,668 7,244 10,359 7,758 10,809 21,074 36,523

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

ΝΟΤΕS

Explanation of Investment Rating							
Investment Rating	Expected return (over 12-month)						
BUY	>=15%						
SELL	< - 10%						
NEUTRAL	< - 10 % to 15%						
UNDER REVIEW Rating may undergo a change							
NOT RATED We have forward looking estimates for the stock but we refrain from assigning recommendation							

*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even

though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report. MOFSL and / or its affiliates do and seek to do business including investment banking with companies covered in its research reports. As a result, the recipients of this report should be aware that MOFSL may have a potential conflict of interest that may affect the objectivity of this report. Compensation of Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at https://galaxy.motilalg oswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at <u>www.nseindia.com</u>, <u>www.bseindia.com</u>. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views. Regional Disclosures (outside India)

This report is not directed or intended for distribution to or use by any person or entity resident in a state, country or any jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & its group companies to registration or licensing requirements within such jurisdictions.

For Hong Kong:

Disclosures

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors." Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the"1934 act") and under applicable state laws in the United States. In addition MOFSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOFSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOFSL has entered into a chaperoning agreement with a U.S. registered brokerdealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ("MOCMSPL") (Co. Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act of Singapore .Accordingly, if a Singapore person is not, or ceases to be, such an investor, they must immediately discontinue any use of this Report and inform MOCMSPL .

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4
- MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report Research Analyst has not served as director/officer/employee in the subject company
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- MOFSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months 8
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company

- actual/beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

This report is meant for the clients of Motilal Oswal only.

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

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors. Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085. Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent – CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products.

Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.