

Mphasis

Estimate change	
TP change	↓
Rating change	\leftarrow

Bloomberg	MPHL IN
Equity Shares (m)	193
M.Cap.(INRb)/(USDb)	409.2 / 4.9
52-Week Range (INR)	2552 / 1660
1, 6, 12 Rel. Per (%)	-11/13/-10
12M Avg Val (INR M)	1142

Financials & Valuations (INR b)

Y/E Mar	2023	2024E	2025E
Sales	138.0	136.4	158.2
EBIT Margin	15.3	15.6	16.4
PAT	16.4	16.8	20.7
EPS (INR)	86.9	88.2	109.0
EPS Gr. (%)	15.8	1.4	23.7
BV/Sh. (INR)	421.2	456.3	500.2
Ratios			
RoE (%)	22.0	20.3	23.0
RoCE (%)	19.1	17.5	19.7
Payout (%)	60.0	60.5	60.5
Valuations			
P/E (x)	24.9	24.6	19.9
P/BV (x)	5.1	4.8	4.3
EV/EBITDA (x)	15.9	15.3	12.8
Div Yield (%)	2.4	2.5	3.0

Shareholding pattern (%)

As On	Sep-23	Jun-23	Sep-22		
Promoter	55.6	55.6	55.7		
DII	22.7	21.2	17.8		
FII	16.6	17.2	20.7		
Others	5.2	6.1	5.8		

FII Includes depository receipts

CMP: INR2,170 TP: INR2,290 (+6%) Neutral

Weakness easing but yet to gain momentum

Building 2H growth on robust 1H wins

- MPHL's 2QFY24 revenue performance (flat QoQ CC) was weaker than our estimate (+1.4% QoQ CC) on account of persistent headwinds in the mortgage business (-7.0% QoQ) and the ongoing moderation in the DXC vertical (-6.1% QoQ CC). However, Direct business (ex-Mortgage) delivered 1.0% QoQ CC growth, aided by TMT and Insurance. Deal TCV moderated to USD255m from the 1Q's high base of USD707m, though the book-to-bill ratio was attractive at 1.2x in 1HFY24.
- The company clocked positive USD revenue growth (+0.3% QoQ) in its Direct business after posting a decline in the previous three consecutive quarters. The pace of deceleration in its DR business seems to have moderated, which is evident in the Direct core (ex-Mortgage) turning positive, sustained DR concentration (~6% of revenue) and strong deal wins in the mortgage portfolio. However, the BFS vertical's (~47% of revenue) performance was weak (-4.2% QoQ/-21.3% YoY) due to a decline in the mortgage business. Excluding Mortgage, BFS reported a decline of 11.4% YoY.
- The management said that the deal pipeline is healthy and diversified across business verticals and service lines. BFS still contributes meaningfully (~38%) to the overall pipeline (up 21% YoY in 2Q). Although 2Q witnessed some recovery in terms of converting the pipeline into TCV, the TCV-to-revenue conversion remained challenging. MPHL is also doubling its efforts to diversify its ex-BFS portfolio and ex-Top 10 accounts with continued investments in leadership hiring, which is showing early signs of recovery in other verticals.
- The management was confident of delivering positive growth (Organic) in 3Q/4Q on the back of an anticipated ramp-up from the deals won in 1H. We have incorporated Silverline in our estimates as it should start contributing to revenue in 2H. Considering the 2Q revenue miss, we are adjusting our organic revenue estimates while building incremental revenue through Silverline. As a result, our FY24E/FY25E EPS broadly remains unchanged.
- The management has demonstrated its ability to maintain margins in a tight range. We see FY24 margins at 15.6% (lower end of the guided rage of 15.25%-16.25%) before improving to 16.4% in FY25. This should result in INR PAT growth of 12.5% over FY23-25E. We believe that the current valuation of 20x FY25E EPS fairly factors in near-term earnings growth. Our TP of INR2,290 implies 21x FY25E EPS.

Miss on revenue but beat on margins; deal TCV moderates

- In 2QFY24, revenue was down 10.1% YoY CC, INR EBIT fell 5.8% YoY, and INR PAT declined 6.3% YoY.
- Revenue at USD398.5m was flat QoQ CC and was below our estimate of 1.4% QoQ growth. Direct revenue was up 0.3% QoQ in CC, while DXC revenue declined 6.1% QoQ in CC.

Mukul Garg - Research analyst (Mukul.Garg@MotilalOswal.com)

Research analyst: Pritesh Thakkar (Pritesh.Thakkar@MotilalOswal.com) / Raj Prakash Bhanushali (Raj.Bhanushali@MotilalOswal.com)

- New TCV stood at USD255m (down 15.6% YoY) vs. USD USD707m in 1Q.
- Utilization (excl. trainees) declined 300bp QoQ to 80%. Headcount declined by 200 QoQ in 2Q.
- EBIT margin at 15.5% was above our estimate of 15.3%. PAT was down 1.0% QoQ at INR3.9b (est. INR4.0b), due to higher interest expenses at INR340m (vs. INR241 in 1Q).

Key highlights from the management commentary

- Despite weak macro and furlough impact, the management remains confident of reporting growth in 3QFY24 followed by a stronger performance in 4QFY24. Inorganic revenue should further support growth.
- The anticipated recovery in the mortgage business did not happen in 2Q as deals were pushed to 3Q. Logistics and Travel continued to do well. The traction continued in airline. It expects good growth thanks to a strong order book.
- The acquisition of Silverline will help MPHL improve its Salesforce capabilities and unlock a wider TAM. Silverline provides digital transformation and consultancy services on Salesforce in the BFSI, Retail, Healthcare and Media segments. Silverline posted revenue of USD76m in CY22, translates to 1.7x EV/Sales
- Adjusting for the M&A charge (70-80bp of revenue), the management is confident of maintaining margins in a narrow band of 15.25-16.25%, with an upward bias for the rest of the year.

Valuation and view - Maintain Neutral

- The weakness persists in the mortgage business; however, the pace of deceleration has started easing, which is giving confidence to the management to reduce near-term leakages while building growth on 1H wins.
- We factor in the Q1 revenue miss while baking in incremental revenue from Silverline. As a result, our FY24/FY25 EPS estimates remain largely unchanged. We believe that the current valuation of 20x FY25E EPS fairly factors in nearterm earnings growth. Hence, we remain Neutral with a TP of INR2,290 (21x FY25E EPS).

Quarterly performan	ce											(INR m)
Y/E March		FY2	3			FY2	4		FY23	FY24E	FY24	Var.
	1Q	2 Q	3Q	4Q	1Q	2Q	3QE	4QE			2QE	(%/bp)
Revenue (USD m)	436	440	429	412	398	398	424	437	1,718	1,658	404	-1.4
QoQ (%)	1.2	1.0	-2.5	-4.1	-3.4	0.1	6.5	3.0	7.8	-3.5	1.5	-137bp
Revenue (INR m)	34,113	35,198	35,062	33,612	32,520	32,765	35,018	36,083	1,37,985	1,36,385	33,384	-1.9
YoY (%)	26.8	22.7	12.2	2.5	-4.7	-6.9	-0.1	7.4	15.4	-1.2	-5.2	-176bp
GPM (%)	29.8	28.1	28.5	29.2	29.1	28.9	29.6	30.3	28.9	29.5	29.2	-35bp
SGA (%)	12.2	10.5	10.8	11.4	11.1	10.7	11.4	11.4	11.2	11.1	11.2	-52bp
EBITDA	6,001	6,177	6,175	5,987	5,869	5,956	6,373	6,805	24,340	25,003	6,009	-0.9
EBITDA Margin (%)	17.6	17.5	17.6	17.8	18.0	18.2	18.2	18.9	17.6	18.3	18.0	18bp
EBIT	5,205	5,376	5,354	5,152	4,995	5,067	5,423	5,826	21,087	21,311	5,112	-0.9
EBIT Margin (%)	15.3	15.3	15.3	15.3	15.4	15.5	15.5	16.1	15.3	15.6	15.3	15bp
Other income	125	174	156	189	263	150	280	289	644	982	267	-43.8
ETR (%)	24.6	24.6	25.2	24.1	24.7	24.9	24.9	24.9	24.6	24.8	25.0	-14bp
PAT	4,020	4,184	4,123	4,053	3,961	3,920	4,285	4,594	16,380	16,761	4,034	-2.8
QoQ (%)	2.5	4.1	-1.5	-1.7	-2.3	-1.0	9.3	7.2			1.8	
YoY (%)	18.3	17.1	15.3	3.4	-1.5	-6.3	3.9	13.4	13.2	2.3	-3.6	
EPS (INR)	21.2	22.1	21.8	21.5	20.9	20.6	22.5	24.2	86.9	88.2	21.3	-3.3

E: MOFSL estimates

Key performance indicators

Y/E March	FY23			FY24			FY23	FY24E		
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE		
Margins										
Gross Margin	29.8	28.1	28.5	29.2	29.1	28.9	29.6	30.3	28.9	29.5
EBIT Margin	15.3	15.3	15.3	15.3	15.4	15.5	15.5	16.1	15.3	15.6
Net Margin	11.8	11.9	11.8	12.1	12.2	12.0	12.2	12.7	11.9	12.3
Operating metrics										
Headcount	36,899	36,876	35,450	34,042	33,961	33,771			34,042	
Deal Win TCV (USD m)	302	302	401	309	707	255			1314	
Key Verticals (YoY%)										
BFS	23.8	13.6	0.6	-6.9	-14.8	-21.3			6.8	
Insurance	36.0	8.2	-2.7	-1.5	-7.2	16.9			9.1	
IT, Comm, Ent	21.0	18.1	1.9	1.1	-3.9	21.0			10.0	
Key Geographies (YoY%)										
North America	29.6	20.3	5.6	-5.1	-10.1	-12.7			11.4	
Europe	-3.6	-6.8	-7.3	-4.2	-2.4	10.0			-5.5	



Key highlights from the management commentary

Demand and industry outlook

- The weakness in BFS continued to impact 2QFY24. On the other hand, there is good traction in travel and healthcare. The adoption of AI remains strong.
- The mortgage business declined 7% during the quarter, bringing DR (digital risk) to just 6% of revenue vs. 11% last year. The order book appears to be bottoming out of DR.
- The anticipated recovery in the mortgage business did not happen in 2Q as deals were pushed to 3Q.
- Despite weak macro and furlough impacts, the management remains confident of growing in 3QFY24 followed by a stronger 4QFY24. Inorganic revenue should further aid this growth.
- Logistics and Travel continued to do well. Traction continues in airline as well.
 Memphis expects good growth thanks to a strong order book.
- The tightening of spending is visible across the BFSI space due to overcapacity there. While clients are cutting back on discretionary spending, transformation projects are still happening.
- The merger of two of its top 10 BFSI clients presents a good opportunity for MPHL on account of integration.
- MPHL has strong partnerships with hyperscalers and sees lots of opportunities there.
- The recent acquisition of Silverline will help MPHL improve its Salesforce capabilities and unlock a wider TAM. Silverline provides digital transformation and consultancy services on Salesforce. It has the highest-tier partnership with Salesforce and presents a strong opportunity in the area of customer experience transformation.
- Silverline has a presence in BFSI, Retail, Healthcare and Media. MPHL sees good cross-selling opportunities with Silverline, as it brings strong marquee clients.
 Silverline was consolidated w.e.f. 1st Oct'23.
- After record deal conversions in 1QFY24, 2QFY24 deal signing activity
 moderated. The management suggested that deal wins can be lumpy in nature.

- The diversification efforts from the management translated into a strong order book (ex BFSI). BFSI contributed to 38% of the pipeline in 2QFY24. There is a constant shift in the pipeline towards larger deals.
- The deal pipeline of healthcare was up 3x YoY, with two-thirds of the pipeline being application-centric. MPHL expects continuous traction there.
- Though deal conversions have improved owing to better decision-making, the revenue conversion is still slow.

Margin performance

- M&A-related expenses are expected to be around 70-80bp of revenue. These
 include integration expenses, retention bonuses and amortization of intangibles
 related to the acquisition.
- Adjusting for the M&A charge, the management is confident of maintaining margins in a narrow band of 15.25-16.25% with an upward bias for the rest of the year.

Exhibit 1: BPO largely supported 2Q growth

Services	Contribution to revenue (%)	Growth QoQ (%)	Growth YoY (%)
Application Services	70.5	(0.7)	(5.4)
ВРО	16.9	4.1	(25.6)
Infrastructure Services	12.7	(0.5)	(4.8)

Source: Company, MOFSL

Exhibit 2: Weakness continues in North America

Geographies	Contribution to revenue (%)	Growth QoQ (%)	Growth YoY (%)
North America	79.2	(2.2)	(12.7)
Europe	12.0	15.2	10.0
India	6.0	5.3	10.4
Rest of the World	2.9	0.1	(16.7)

Source: Company, MOFSL

Exhibit 3: Weakness in BFS continues in Q2

Verticals	Contribution to	Growth	Growth
verticals	revenue (%)	QoQ (%)	YoY (%)
Banking and Financial Services	47.1	(4.2)	(21.3)
Insurance	10.8	2.3	16.9
Technology, Media, and Telecom	17.3	15.0	21.0
Logistics and Transportation	13.4	(5.4)	(4.7)
Others	11.4	4.1	(12.4)

Source: Company, MOFSL

Exhibit 4: Weakness in top account

	Contribution to revenue (%)	Growth QoQ (%)	Growth YoY (%)
Top client	16.0	(5.8)	(9.5)
Top 2-5 clients	31.0	3.4	(15.0)
Top 6-10 clients	11.0	(8.2)	(17.0)

Source: Company, MOFSL

Valuation and view – Maintain Neutral

■ The weakness persists in the mortgage business; however, the pace of deceleration has started easing, which is giving confidence to the management to reduce near-term leakages while building growth on 1H wins.

■ Factoring in the Q1 revenue miss while baking in incremental revenue from Silverline, we keep our FY24E/FY25E EPS largely unchanged. We believe that the current valuation of 20x FY25E EPS fairly factors in near-term earnings growth. Hence, we remain Neutral with a TP of INR2,290 (21x FY25E EPS).

Exhibit 5: Revisions to our estimates

	Revised		Ear	lier	Change		
	FY24E	FY25E	FY24E	FY25E	FY24E	FY25E	
USD:INR	82.7	83.0	82.7	83.0	0.0%	0.0%	
Revenue (USD m)	1,658	1,916	1,641	1,871	1.0%	2.4%	
Growth (%)	(3.5)	15.5	(4.5)	14.0	100bps	150bps	
EBIT margin (%)	15.6	16.4	15.6	16.6	0bps	-10bps	
PAT (INR m)	16,761	20,727	16,705	20,450	0.3%	1.4%	
EPS (INR)	88.2	109.0	88.3	108.1	-0.1%	0.9%	

Source: MOFSL

Exhibit 6: Operating metrics

Exhibit 6: Operating metrics	2QFY22	3QFY22	4QFY22	10EV22	2QFY23	3QFY23	4QFY23	1QFY24	2QFY24
Geographical contribution (%)	ZŲFTZZ	3UF122	4QF122	1QFY23	ZQF1Z3	3QF123	4QF123	IQF124	ZQF1Z4
Americas	78.0	80.3	81.5	82.3	82.2	81.8	80.8	81.1	79.2
EMEA	12.1	11.3	10.7	9.7	9.8	10.1	10.7	10.4	12.0
India	5.4	5.1	4.9	5.0	4.9	5.1	5.5	5.7	6.0
RoW	4.5	3.3	3.0	2.9	3.1	3.0	3.0	2.9	2.9
Vertical contribution (%)	1.5	3.3	3.0	2.3	3.1	3.0	3.0	2.3	2.3
Banking and Capital Market	54.6	55.3	53.6	53.4	54.2	53.6	53.1	49.3	47.1
Insurance	8.8	8.8	9.5	8.9	8.3	8.3	7.6	10.5	10.8
IT, Communications, and Entertainment	12.5	13.2	13.3	13.4	12.9	12.9	12.7	15.1	17.3
Logistics and Transportation	13.1	12.7	12.8	13.0	12.7	13.0	13.6	14.2	13.4
Others	11.0	10.1	10.7	11.4	11.8	12.2	13.0	11.0	11.4
Revenue by project type (%)									
Time and Material	58.1	54.9	54.7	54.5	56.0	56.8	58.1	57.7	58.5
Transaction-based	16.0	16.1	15.6	15.6	13.9	12.7	11.1	10.2	10.3
Fixed price	25.9	29.0	29.7	29.9	30.0	30.5	30.8	32.0	31.2
Revenue by delivery location (%)								52.5	
Onsite	58.2	58.7	58.4	58.3	56.8	55.2	53.5	52.1	52.1
Offshore	41.8	41.3	41.6	41.7	43.2	44.8	46.6	47.9	47.9
Secondary market segment (%)								.,	
Direct International	91.8	92.8	93.1	93.5	93.7	93.6	94.6	94.9	95.1
DXC	6.5	5.4	5.2	4.8	4.6	4.8	3.8	3.5	3.2
Others	1.7	1.8	1.7	1.7	1.6	1.7	1.7	1.7	1.7
Service type (%)								- .,	
Application services	61.1	62.7	65.4	66.0	67.4	69.4	70.7	71.0	70.5
ВРО	26.1	24.8	23.3	22.2	20.5	17.9	16.4	16.2	16.9
Infrastructure services	12.8	12.6	11.3	11.8	12.1	12.6	12.9	12.8	12.7
Client contribution (%)*									
Top client					16			17	16
Top 2-5 clients					33			30	31
Top 6-10 clients					12			12	11
New clients added					5			5	5
Clients contributing more than:*									
Over USD100m					4			3	3
Over USD75m					6			5	4
Over USD50m					6			6	6
Over USD20m					11			12	11
Over USD10m					23			26	26
Over USD5m					44			46	46
Over USD1m					104			112	115
Headcount									
Onsite – billable									
Tech services	4,132	4,392	4,704	4,652	5,082	4,806	4,669	4,517	4,504
ВРО	2,863	2,535	2,451	2,134	2,056	1,828	1,606	1,307	1,319
Offshore – billable	<u> </u>								
Tech services	15,673	16,543	17,406	18,788	18,514	17,454	16,799	16,005	15,425
ВРО	5,476	5,242	5,282	5,212	5,839	6,176	6,234	6,459	6,418
Total billable headcount	28,144	28,712	29,843	30,786	31,491	30,264	29,308	28,288	27,666
Total headcount	32,295	34,915	36,534	36,899	36,876	35,450	34,042	33,961	33,771
*									

^{*}Restated Client metrics due to merger (among its top 1-5 accounts)

Source: Company, MOFSL

Financials and valuations

Income Statement								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Revenues	65459	77311	88436	97222	1,19,616	1,37,985	1,36,385	1,58,196
Cost Of Goods Sold	47,308.0	55,754.0	61,376.5	67,723.0	84,664	98,128	96,178	1,09,933
SG&A Expenses	7,525	8,317	10,536	11,472	13,570	15,517	15,204	18,669
EBITDA	10,626	13,240	16,524	18,027	21,382	24,340	25,003	29,594
% of Net Sales	16	17	19	19	17.9	17.6	18.3	18.7
Depreciation	709	759	2,317	2,418	2,906	3,253	3,692	3,591
Other Income	1,490	1,592	967	696	861	644	982	1,582
РВТ	11,407	14,073	15,174	16,305	19,337	21,731	22,292	27,585
Tax	2,900	3,339	3,306	4,139	4,870	5,351	5,532	6,858
Rate (%)	25	24	22	25	25.2	24.6	24.8	24.9
Net Income	8,507	10,734	11,868	12,166	14,467	16,380	16,761	20,727

Balance Sheet								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Share Capital	1,933	1,862	1,865	1,870	1,878	1,884	1,884	1,884
Reserves	52,885	50,636	56,431	63,397	67,553	77,464	84,144	92,435
Net Worth	54,818	52,498	58,296	65,267	69,431	79,348	86,028	94,319
Loans	3,899	5,466	5,713	5,135	5,272	1,985	1,985	1,985
Other long term liabilities	1,016	1,235	7,567	7,285	9,030	8,768	8,829	9,003
Capital Employed	59,732	59,199	71,576	77,687	83,734	90,101	96,842	1,05,307
Net Block	1,829	2,126	8,823	8,869	10,388	11,281	8,953	6,944
CWIP	19	16	74	31	110	55	55	55
Goodwill	17,015	19,585	21,405	21,326	27,348	29,586	29,586	29,586
Investments	3,169	2,592	3,479	3,114	3,778	3,848	3,848	3,848
Other assets	8,361	8,362	9,624	9,246	8,774	11,794	13,644	17,238
Curr. Assets	39,460	41,031	44,131	51,403	57,164	59,531	65,799	76,474
Debtors	8,116	18,487	17,696	18,505	22,270	25,207	25,782	30,339
Cash	7,067	6,416	11,267	9,098	9,494	10,534	12,749	12,660
Investments	14,651	10,700	9,768	16,870	14,351	13,679	16,679	20,679
Other Current Assets	9,625	5,427	5,400	6,929	11,048	10,111	10,588	12,797
Current Liab. & Prov	10,121	14,511	15,959	16,302	23,828	25,994	25,042	28,837
Sundry Liabilities	9,875	14,428	15,891	15,806	22,744	24,883	23,950	27,571
Provisions	246	83	68	497	1,084	1,110	1,091	1,266
Net Current Assets	29,339	26,519	28,172	35,100	33,336	33,538	40,757	47,638
Application of Funds	59,732	59,199	71,576	77,687	83,734	90,102	96,842	1,05,307

E: MOFSL Estimates

Financials and valuations

Ratios								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
EPS	43.3	55.5	63.1	64.2	75.1	86.9	88.2	109.0
Cash EPS	46.9	59.4	75.5	77.0	90.2	104.2	107.6	127.9
Book Value	279.2	274.1	312.9	349.3	365.3	421.2	456.3	500.2
DPS	20.1	27.0	35.0	65.0	45.7	52.2	53.3	66.0
Payout %	46.5	48.6	55.4	101.2	60.8	60.0	60.5	60.5
Valuation (x)								
P/E	50.1	39.1	34.4	33.8	28.9	24.9	24.6	19.9
Cash P/E	46.3	36.5	28.7	28.2	24.0	20.8	20.2	17.0
EV/EBITDA	38.4	30.5	23.5	21.3	18.4	15.9	15.3	12.8
EV/Sales	6.2	5.2	4.4	4.0	3.3	2.8	2.8	2.4
Price/Book Value	7.8	7.9	6.9	6.2	5.9	5.1	4.8	4.3
Dividend Yield (%)	0.9	1.2	1.6	3.0	2.1	2.4	2.5	3.0
Profitability Ratios (%)								
RoE	14.6	20.0	21.4	19.7	21.5	22.0	20.3	23.0
RoCE	12.5	17.4	18.6	16.8	18.3	19.1	17.5	19.7
Turnover Ratios								
Debtors (Days)	45	87	73	69	68	67	69	70
Fixed Asset Turnover (x)	32.2	39.1	16.2	11.0	12.4	12.7	13.5	19.9

Cash Flow Statement								(INR m)
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
CF from Operations	8,832	10,918	12,788	14,999	18,497	20,397	19,471	22,736
Chg. in Wkg. Capital	-1,502	-1,421	422	-453	-1,501	-5,779	-3,793	-6,390
Net Operating CF	7,330	9,497	13,210	14,545	16,996	14,618	15,678	16,347
Net Purchase of FA	-313	-2,511	-1,243	-1,252	-1,192	-1,112	-1,364	-1,582
Free Cash Flow	7,016	6,986	11,967	13,293	15,805	13,506	14,314	14,765
Net Purchase of Invest.	5,238	5,404	2,652	-6,967	-1,629	2,936	-2,018	-2,418
Net Cash from Invest.	4,925	2,893	1,408	-8,219	-2,820	1,825	-3,382	-4,000
Proceeds from equity	2	104	151	268	442	271	0	0
Proceeds from LTB/STB and others	3,624	1,554	-3,863	-2,356	-2,152	-7,153	0	0
Dividend Payments	-15,010	-14,604	-6,065	-6,527	-12,177	-8,652	-10,056	-12,436
Net CF from Financing	-11,383	-12,947	-9,777	-8,615	-13,887	-15,534	-10,056	-12,436
Net Cash Flow	871	-556	4,842	-2,288	289	908	2,239	-90
Exchange difference	52	-94	10	120	107	132	-24	0
Opening Cash Balance	6,144	7,067	6,416	11,267	9,098	9,494	10,534	12,749
Add: Net Cash	923	-651	4,851	-2,169	396	1,040	2,215	-90
Closing Cash Balance	7,067	6,416	11,267	9,098	9,494	10,534	12,749	12,660

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

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 Motilal Oswal Financial Services Limited available 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.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

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

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.

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

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. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of 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, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person 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. 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
- 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
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

22 October 2023

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.

	Grie	var	ıce	Redressal	Cell:
ı	-		_		

One various recardossar octi.					
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.

22 October 2023 10