

Estimate change	↑
TP change	↑
Rating change	↔

Bloomberg	OINL IN
Equity Shares (m)	1627
M.Cap.(INRb)/(USDb)	779.6 / 8.6
52-Week Range (INR)	524 / 322
1, 6, 12 Rel. Per (%)	13/8/4
12M Avg Val (INR M)	1412

Financials & Valuations (INR b)

Y/E march	FY26E	FY27E	FY28E
Sales	205.6	197.4	209.4
EBITDA	68.0	67.0	72.8
Adj. PAT	46.7	43.3	47.1
Adj. EPS (INR)	28.7	26.6	29.0
EPS Gr. (%)	-23.6	-7.4	8.9
BV/Sh.(INR)	299.3	317.7	337.8
Ratios			
Net D:E	0.2	0.2	0.2
ROE (%)	9.9	8.6	8.8
RoCE (%)	5.9	5.2	5.5
Payout (%)	30.6	30.6	30.6
Valuations			
P/E (x)	16.7	18.0	16.5
P/BV (x)	1.6	1.5	1.4
EV/EBITDA (x)	12.9	13.2	12.2
Div. Yield (%)	1.8	1.7	1.8
FCF Yield (%)	0.8	2.2	2.4

Shareholding Pattern (%)

As On	Dec-25	Sep-25	Dec-24
Promoter	56.7	56.7	56.7
DII	29.3	29.1	27.1
FII	7.5	7.6	9.4
Others	6.5	6.7	6.8

FII includes depository receipts

CMP: INR479

TP: INR430 (-10%)

Neutral

Elevated other expenses dent 3Q performance

- Oil India's (OINL) 3QFY26 revenue came in line with our estimate at INR49.2b. However, oil/gas sales came in 3%/1% below our estimate at 0.82mmt/0.66bcm. Oil realization was USD62.84/bbl (our estimate of USD62.1/bbl). EBITDA was 34% below estimate at INR13.1b (-39% YoY). The miss was primarily due to a significant rise in contract cost (including survey cost). EBITDA adjusted for exploration cost write-offs stood at INR18.1b, down 20%/36% YoY/QoQ. Reported PAT was 17% below our estimate at INR8.1b.
- Key things we liked about the result:** 1) Well drilling intensity remains high with 19 new wells dug in 3QFY26 (51 wells in 9MFY26). The company aims to drill 75/100 wells in FY26/FY27. 2) NRL reported strong performance in 3Q, with a PAT of INR8.7b (vs. PAT of INR3.9b during 3QFY25), as GRM stood at USD16.27/bbl.
- Key investor concerns:** 1) Contract cost (including survey cost) rose significantly to INR8.9b in 3Q (INR5.2b in 2QFY26, INR5b in 3QFY25). Further, exploration cost write-offs/provisions/impairments for the quarter stood at INR5b (INR4.6b/INR9.8b in 1QFY26/2QFY26). Elevated other expenses over the last two quarters have dented OINL's performance. 2) Production volumes continue to remain soft as oil/gas production was down 1%/3% YoY at 858mmt/801bcm in 3Q. However, management has guided that the natural decline from existing fields has now been arrested, and strong production growth is expected going forward, with total volumes projected to reach 7.5/8.5mmtoe in FY27/28.
- Key changes to estimates:** While we maintain our EBITDA estimates for FY27/28, we increase our PAT estimates as we factor in: 1) the normalization of exploration cost write-offs, and 2) an increase in our other income estimate.
- Valuation and view:** We reiterate our Neutral rating on the stock and arrive at our SoTP-based TP of INR430 as we model a CAGR of 2%/3.8% in oil/gas production volume over FY25-28.

Miss on EBITDA due to higher-than-estimated other expenses

- OINL's revenue came in line with our estimate at INR49.2b.
- Oil/gas sales came in 3%/1% below our estimate at 0.82mmt/0.66bcm.
- Oil production reduced 1% YoY at 858mmt. Gas production declined 3% YoY at 801bcm.
- Oil realization was USD62.84/bbl (our estimate of USD62.1/bbl).
- EBITDA was 34% below estimate at INR13.1b (-39% YoY).
- The miss was primarily due to a significant rise in the contract cost (including survey cost) to INR8.9b (INR5.2b in 2QFY26, INR5b in 3QFY25).
- Exploration cost write-offs/provisions/impairments for 3QFY26 stood at INR5b (INR4.6b/INR9.8b in 1QFY26/2QFY26). EBITDA adjusted for exploration cost write-offs stood at INR18.1b, down 20%/36% YoY/QoQ.
- Reported PAT was 17% below our estimate at INR8.1b.
- Numaligarh refinery's 3Q performance:**
- PAT stood at INR8.7b (vs. PAT of INR3.9b during 3QFY25), as GRM stood at USD16.27/bbl.
- Crude throughput stood at 752.4tmt (808.5 in 3QFY25), and distillate yield was at 86.8% (vs. 86.2% in 2QFY26).
- The Board has declared an interim dividend of INR7/share (FV: INR10/share).

Valuation and view

- In the past few quarters, OINL has struggled to raise production/sales with limited production/sales growth YoY. Further, while we like the increased exploration intensity (which is key to building a robust development pipeline), we believe this will likely be accompanied by higher dry well write-offs, which will weigh on earnings. Moreover, the benefits of increased new well gas proportion for OINL will be mostly offset by subdued gas realization amid a weaker crude oil price outlook.
- The company aims to drill 75+ wells by FY26-end (of which, 51 have already been drilled). The target for FY27 is 100 wells. These will be the highest number of wells drilled annually in the history of OINL. The NRL refinery segment is expected to achieve 50% capacity utilization by FY27-end, which will gradually ramp up to 100% by 2QFY28-end.
- We revise our SoTP-based TP to INR430 as we model a 2%/3.8% production volume growth CAGR for oil and gas production over FY25-28.

Quarterly Performance

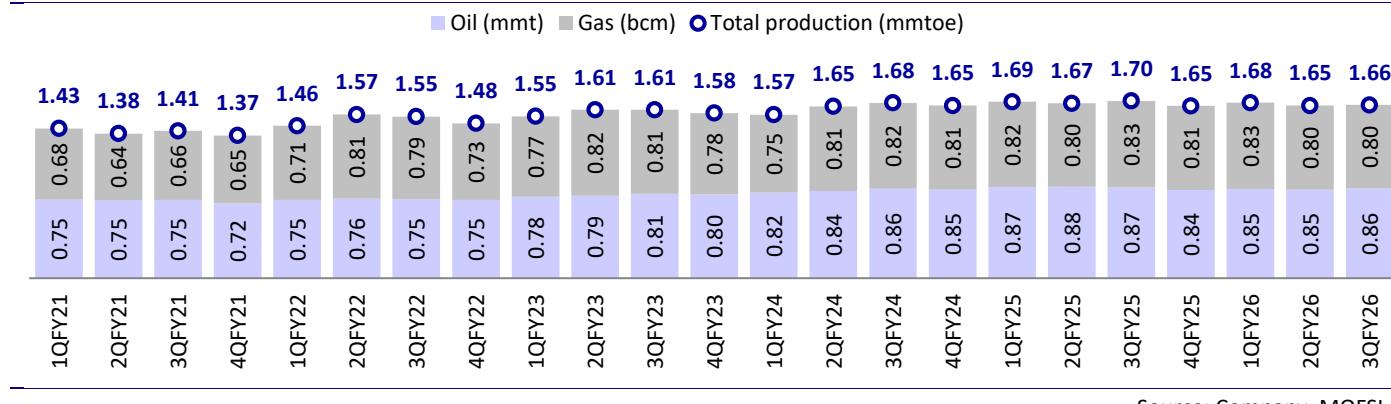
Y/E March	(INR b)											
	FY25				FY26				FY25	FY26E	FY26	Var
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4QE		3QE	(%)	
Net Sales	58.4	55.2	52.4	55.2	50.1	54.6	49.2	51.7	221.2	205.6	50.3	-2%
Change (%)	25.7	-6.7	-9.9	-4.1	-14.2	-1.1	-6.2	-6.3	-0.1	-7.0	-4.1	
EBITDA	24.7	21.8	21.3	19.8	19.1	18.4	13.1	17.3	87.7	68.0	19.8	-34%
% of Net Sales	42.2	39.6	40.7	36.0	38.2	33.8	26.6	33.4	39.6	33.1	39.3	
Change (%)	5.9	-12.3	1.3	-15.0	-22.4	-15.5	-38.7	-12.8	-5.3	-22.5	-7.4	
D,D&A	4.6	5.0	5.3	4.3	5.3	5.8	6.4	5.0	19.2	22.5	5.8	
Interest	2.0	2.3	2.4	2.0	1.5	2.6	2.7	2.9	8.7	9.7	3.0	
OI (incl. Oper. other inc)	1.6	8.6	1.9	6.6	1.8	8.3	5.5	5.7	18.7	21.2	2.0	
PBT before exceptional	19.7	23.1	15.5	20.2	14.0	18.4	9.5	15.1	78.5	57.0	12.9	-27%
Exceptional item	0.0	0.0	0.0	0.0	3.1	5.2	0.0	0.0	0.0	8.3	0.0	
PBT after exceptional	19.7	23.1	15.5	20.2	11.0	13.2	9.5	15.1	78.5	48.7	12.9	-27%
Tax	5.1	4.7	3.3	4.3	2.8	2.7	1.4	3.3	17.4	10.3	3.3	
Rate (%)	25.7	20.4	21.2	21.2	20.2	14.9	14.7	21.8	22.1	18.0	25.2	
PAT	14.7	18.3	12.2	15.9	8.1	10.4	8.1	11.8	61.1	38.5	9.7	-17%
Change (%)	-9.1	463.8	-22.9	-21.6	-44.5	-43.1	-33.8	-25.8	29.4	-37.1	-20.7	
Adj. PAT	14.7	18.3	12.2	15.9	11.2	15.6	8.1	11.8	61.1	46.7	9.7	-17%
Key Assumptions												
Oil sales (mmt)	0.83	0.84	0.83	0.85	0.82	0.83	0.82	0.93	3.35	3.39	0.84	-3%
Gas sales (bcm)	0.68	0.65	0.68	0.67	0.70	0.66	0.66	0.67	2.67	2.69	0.67	-1%
Net Oil Realization (USD/bbl)	74.6	73.9	73.8	74.5	66.2	68.2	62.8	64.0	74.2	72.1	62.1	1%

Exhibit 1: Major assumptions for OINL

Particulars	FY20	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E	FY28E
Exchange Rate (INR/USD)	64.5	74.3	74.5	80.4	82.8	84.6	87.5	88.2	90.0
Gas Price Realization (USD/mmbtu)	3.8	2.2	2.6	7.3	6.5	6.5	6.7	6.2	6.4
Brent Crude Price (USD/bbl)	61.2	44.4	80.5	96.1	83.0	78.6	66.1	60.0	60.0
Production Details									
Oil (mmt)	3.13	2.96	3.01	3.18	3.36	3.46	3.46	3.56	3.67
Gas (bcm)	2.77	2.48	2.89	3.18	3.18	3.25	3.30	3.47	3.64
Total (mmtoe)	5.90	5.44	5.90	6.36	6.54	6.71	6.76	7.03	7.31
Subsidy Sharing (INRb)	-	-	-	-	-	-	-	-	-
Oil Price Realization (USD/bbl)									
Net	60.8	44.3	78.8	85.2	75.7	74.2	65.0	60.0	60.0
Change (%)	-11%	-27%	78%	8%	-11%	-2%	-12%	-8%	0%
EPS (INR/sh.)	15.9	13.5	23.9	41.9	48.7	37.6	28.7	26.6	29.0

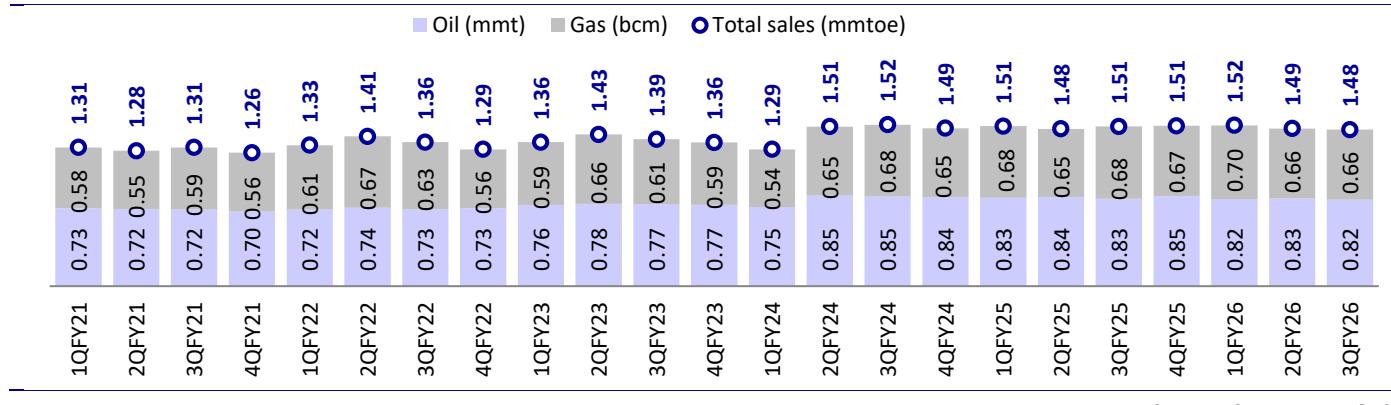
3QFY26 in charts

Exhibit 1: Total production stood flat YoY at 1.66mmtoe



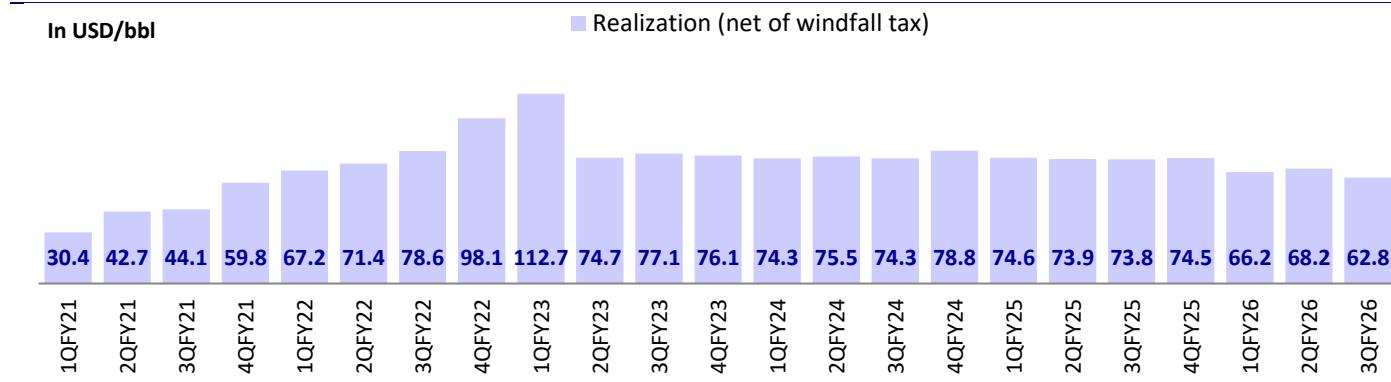
Source: Company, MOFSL

Exhibit 2: Sales flat YoY to 1.48mmtoe



Source: Company, MOFSL

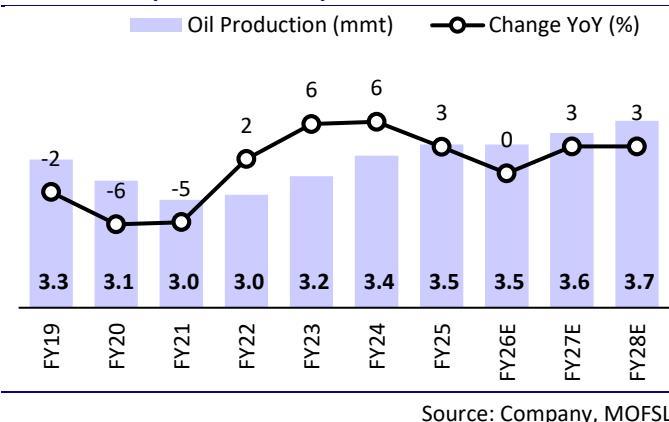
Exhibit 3: 3QFY26 realization at USD62.8/bbl



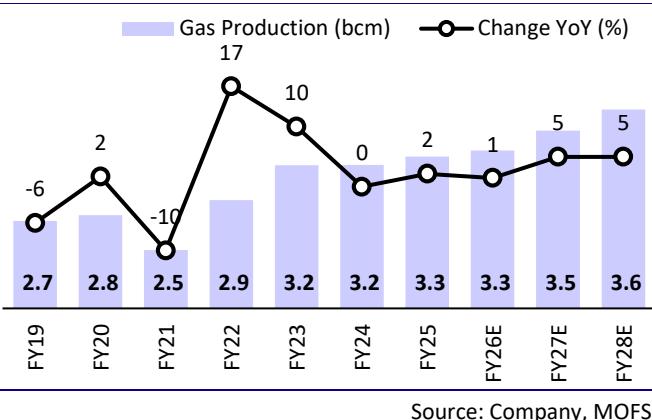
*Post 1QFY23, realization is net of windfall tax

Source: Company, MOFSL

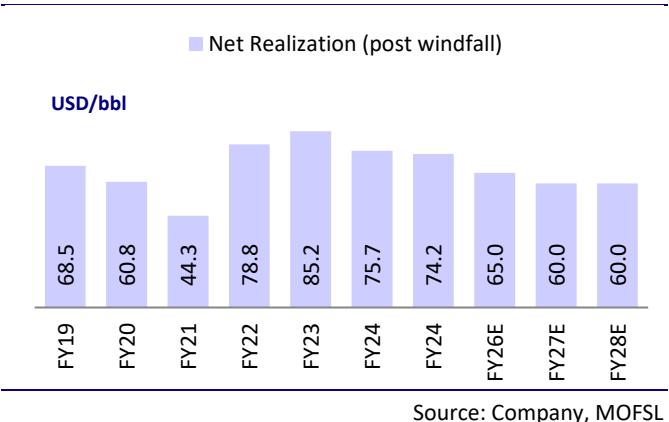
Story in charts

Exhibit 4: Oil production snapshot


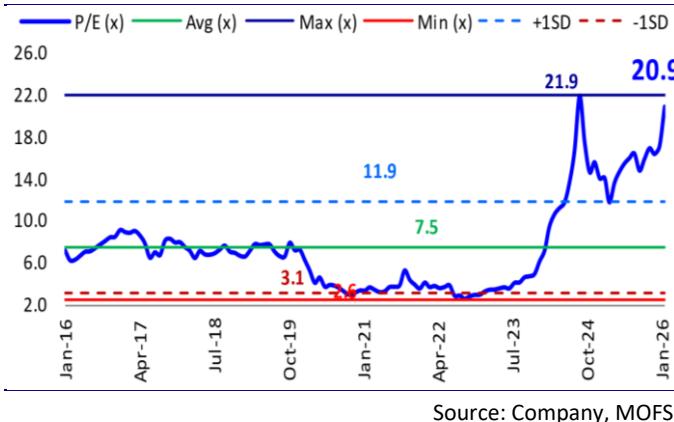
Source: Company, MOFSL

Exhibit 5: Gas production snapshot


Source: Company, MOFSL

Exhibit 6: Realization trend in OINL (USD/bbl)


Source: Company, MOFSL

Exhibit 7: One-year forward P/E for OINL


Source: Company, MOFSL



Highlights from the management commentary

Production volumes:

- Combined oil and gas production for 3Q was 1.659mmt (4.991 for 9MFY26).
- Crude oil production for 3Q was 0.358mmt, and natural gas production was 0.801bcm.
- The Rajasthan field is producing 1000bbl/day.
- Management targets production of 7.5/8.5mmtoe in FY27/28.
- Crude oil production target: 3.8/4mmt in FY27/28.

Projects:

- The Numaligarh-Siliguri product pipeline expansion from 1.72mmtpa to 5.5mmtpa has achieved mechanical completion and is in the process of commissioning.
- The Duliajan pipeline expansion from 1mmtpa to 2.5mmtpa has achieved mechanical completion, with commissioning expected by Apr'26.
- The common carrier licensing process with PNGRB is expected to be completed by Apr'26 to initiate the hookup of the DNPL and IGGL lines.
- The Numaligarh refinery expansion from 3mmtpa to 9mmtpa is progressing, with commissioning of the mother units having commenced in Dec'25. Stabilization is expected by 4QFY26, with FY27 exit throughput targeted at 4mmtpa.

- The Paradip-Numaligarh crude oil pipeline has achieved 90% physical progress, and commissioning is expected by 1QFY27. The pipeline is ~1,635km in length, with ~1,600km already operational.
- The company is currently drilling the third well in Andaman-Nicobar and completing seismic surveys in Mahanadi and KG basins.

Wells:

- 19 new wells have been drilled in 3QFY26. 51 wells have been drilled in 9MFY26.
- 38 wells have been drilled in Andhra Pradesh and Assam, and 10 in Rajasthan.
- The company aims to drill over 75 wells by FY26 end. The target for FY27 is 100 wells.

NRL:

- Majority of the crude is sourced from eastern Assam, and some is sourced from Haldia.
- High diesel margins and 100%+ capacity utilization led to high GRM at NRL.
- Current debt – 160b (250b-260b expected once all projects are completed).
- Capex of ~INR60b has been incurred, with ~INR80b being the year-end target.
- The Polypropylene unit will require a capex of INR72b.
- Capacity utilization:
- Refinery segment is expected to achieve 50% capacity utilization by FY27'end, which shall gradually ramp up to 100% by 2QFY28'end.
- The petchem unit will start by FY28-end and achieve full capacity by 2QFY29.

Russian assets:

- Taas-Yuryakh: 100%+ dividend has been received.
- Vankorneft: 90%+ dividend has been received.

Others:

- Capex of INR88b is expected for FY26, this will reach ~INR92b in FY27/28.
- Seismic costs were INR5.8b in 3Q (vs INR3.2b in 2QFY26).
- Natural gas price was 6.65/mmbtu in 3Q.
- Refinery capacity utilization was 100.31%, and the distilled yield was 86.8%.
- OINL has an acreage of 1 lakh sq.km., of which 50,000 sq.km. pertains to shallow water, deep water, and ultra-deep water acreages.
- AP Refinery, steered by BPCL, will be a high-end refinery petrochemical complex with a refining capacity of 12mmt.

Financials and valuations

Income Statement						(INR b)
Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E
Net Sales	232.7	221.3	221.2	205.6	197.4	209.4
Change (%)	60.1	-4.9	-0.1	-7.0	-4.0	6.1
EBITDA	96.8	92.6	87.7	68.0	67.0	72.8
% of Net Sales	41.6	41.8	39.6	33.1	33.9	34.8
D,D&A	15.9	17.8	19.2	22.5	22.3	23.1
Interest	7.2	7.6	8.7	9.7	10.6	11.0
Other Income	14.9	23.8	18.7	21.2	21.3	21.8
Exceptional items	0.0	23.6	0.0	0.0	0.0	0.0
PBT	88.6	67.5	78.5	57.0	55.5	60.4
Tax	20.5	11.9	17.4	10.3	12.2	13.3
Rate (%)	23.1	17.7	22.1	18.0	22.0	22.0
PAT	68.1	55.5	61.1	46.7	43.3	47.1
Adj. PAT	68.1	71.4	61.1	46.7	43.3	47.1
Change (%)	75.2	-18.5	10.1	-23.6	-7.4	8.9
Balance Sheet						(INR b)
Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E
Share Cap. (incl sh. suspense)	10.8	10.8	16.3	16.3	16.3	16.3
Reserves	332.8	430.4	438.1	470.5	500.6	533.2
Net Worth	343.7	441.2	454.3	486.8	516.8	549.5
Total Loans	111.6	113.4	120.7	136.7	141.7	151.7
Deferred Tax	28.1	27.9	27.0	27.0	27.0	27.0
Capital Employed	483.4	582.5	602.1	650.5	685.5	728.2
Gross Fixed Assets	263.5	298.1	332.8	407.8	468.3	528.8
Less: Depreciation	127.5	145.2	164.4	187.0	209.2	232.4
Net Fixed Assets	136.0	152.9	168.4	220.8	259.0	296.4
Capital WIP	23.4	23.9	33.4	32.1	30.7	29.3
Producing/pre-producing	11.2	13.8	25.5	26.8	28.1	29.5
Investments	283.2	361.9	345.3	345.3	345.3	345.3
Curr. Assets, L & Adv.						
Inventory	13.9	15.5	19.3	18.0	17.2	18.3
Debtors	22.2	25.8	26.9	25.0	24.0	25.5
Cash & Bank Balance	13.5	30.7	41.5	40.0	38.2	41.5
Cash	2.5	2.4	4.0	2.5	0.6	4.0
Bank Balance	11.0	28.3	37.5	37.5	37.5	37.5
Loans & Adv. and Other CA	38.1	26.5	34.2	31.8	30.5	32.4
% of sales	16.4	16.4	16.4	16.4	16.4	16.4
Current Liab. & Prov.						
Liabilities	40.6	34.7	44.2	41.1	39.5	41.9
Provisions	17.7	33.8	48.1	48.1	48.1	48.1
Net Current Assets	29.5	30.0	29.6	25.6	22.4	27.7
Application of Funds	483.4	582.5	602.1	650.5	685.5	728.2

Financials and valuations

Ratios

Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E
Basic (INR)						
EPS (Adj)	41.9	43.9	37.6	28.7	26.6	29.0
Cash EPS	51.7	45.0	49.4	42.6	40.3	43.2
Book Value	211.3	271.3	279.3	299.3	317.7	337.8
DPS	16.7	10.5	11.5	8.8	8.1	8.9
Payout (incl. Div. Tax.)	39.8	30.8	30.6	30.6	30.6	30.6
Valuation (x)						
P/E	11.4	10.9	12.7	16.7	18.0	16.5
Cash P/E	9.3	10.6	9.7	11.2	11.9	11.1
EV / EBITDA	9.1	9.3	9.8	12.9	13.2	12.2
EV/Sales	3.8	3.9	3.9	4.3	4.5	4.2
Price / Book Value	2.3	1.8	1.7	1.6	1.5	1.4
Dividend Yield (%)	3.5	2.2	2.4	1.8	1.7	1.8
Profitability Ratios (%)						
RoE	21.2	14.1	13.7	9.9	8.6	8.8
RoCE	13.5	11.6	9.0	5.9	5.2	5.5
RoIC	41.8	37.4	30.7	17.9	13.8	13.3
Turnover Ratios						
Inventory (No. of Days)	22	22	22	22	22	22
Debtors (No. of Days)	35	35	35	35	35	35
Fixed Asset Turnover (x)	1	1	1	1	0	0
Creditor (No. of Days)	64	64	64	64	64	64
Leverage Ratio						
Net Debt / Equity (x)	0.3	0.2	0.2	0.2	0.2	0.2

Cash Flow Statement

Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E	(INR b)	0
OP/(Loss) before Tax								
88.6	67.5	78.5	57.0	55.5	60.4			
Interest expense	6.7	6.8	7.8	9.7	10.6	11.0		
Depreciation	15.9	17.8	19.2	22.5	22.3	23.1		
Interest /Other Income	-13.6	-22.0	-16.3	0.0	0.0	0.0		
Direct Taxes Paid	-21.3	-19.1	-17.4	-10.3	-12.2	-13.3		
(Inc)/Dec in Wkg. Capital	-16.1	-14.5	-11.9	2.6	1.3	-2.0		
Other op activities	16.4	40.9	21.9	0.0	0.0	0.0		
CF from Op. Activity	76.6	77.2	81.7	81.5	77.5	79.3		
(Inc)/Dec in FA & CWIP	-34.1	-39.2	-45.2	-75.0	-60.5	-60.5		
Free Cash Flow	42.5	38.0	36.6	6.5	17.0	18.8		
(Pur)/Sale of Investments	-17.7	-32.2	-18.8	0.0	0.0	0.0		
Loans and Advances	2.3	3.3	4.7	0.0	0.0	0.0		
Other In activities	13.5	18.6	6.9	0.0	0.0	0.0		
CF from Inv. Activity	-35.9	-49.5	-52.3	-75.0	-60.5	-60.5		
Interest paid	-6.6	-6.6	-8.1	-9.7	-10.6	-11.0		
Inc / (Dec) in Debt	-13.5	0.0	4.0	16.0	5.0	10.0		
Others	-1.0	-2.2	-3.4	0.0	0.0	0.0		
Dividends Paid	-21.1	-19.0	-20.3	-14.3	-13.2	-14.4		
CF from Fin. Activity	-42.2	-27.8	-27.8	-8.0	-18.8	-15.4		
Inc / (Dec) in Cash	-1.5	-0.1	1.6	-1.5	-1.9	3.4		
Add: Opening Balance	4.0	2.5	2.4	4.0	2.5	0.6		
Closing Balance	2.5	2.4	4.0	2.5	0.6	4.0		

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

NOTES

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.

Disclosures

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 and BSE enlistment no. 5028. 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 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 & 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 and is a member of Association of Portfolio Managers in India (APMI) for distribution of PMS products. Details of associate entities of Motilal Oswal Financial Services Ltd. are available on the website at <http://onlinereports.motilaloswal.com/Dormant/documents/Associate%20Details.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>. As per Regulatory requirements, Research Audit Report is uploaded on www.motilaloswal.com > MOFSL-Important Links > MOFSL Research Analyst Compliance Audit Report.

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.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.

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:

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 broker-dealer, 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") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL .

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

Specific Disclosures

1. Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies).
MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: Yes.
Nature of Financial interest is holding equity shares or derivatives of the subject company
2. Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report: No
MOFSL has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report: No
3. Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.
MOFSL may have received compensation from the subject company(ies) in the past 12 months.
4. Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.
MOFSL does not have material conflict of interest in the subject company at the time of publication of research report.
5. Research Analyst has not served as an officer, director or employee of subject company(ies).
6. MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months.
7. MOFSL has not received compensation for investment banking /merchant banking/brokerage services from the subject company(ies) in the past 12 months.
8. MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) in the past 12 months.
9. MOFSL may have received compensation or other benefits from the subject company(ies) or 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 alterations 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, enlistment as RA with Exchange 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
Mr. Neeraj Agarwal	022 40548085	na@motilaloswal.com
Mr. Siddhartha Khemka	022 50362452	po.research@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, BSE enlistment no. 5028, AMFI registered Mutual Fund Distributor and SIF Distributor: ARN : 146822. IRDA Corporate Agent – CA0579, APMI: APRN00233. 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 dpgrivances@motilaloswal.com.