

Estimate change

TP change

Rating change



Motilal Oswal values your support in the EXTEL POLL 2025 for India Research, Sales, Corporate Access and Trading team. We request your ballot.



Bloomberg	OINL IN
Equity Shares (m)	1627
M.Cap.(INRb)/(USD b)	709.6 / 8
52-Week Range (INR)	529 / 322
1, 6, 12 Rel. Per (%)	6/-1/-19
12M Avg Val (INR M)	1347

Financials & Valuations (INR b)

Y/E march	FY26E	FY27E	FY28E
Sales	211.6	204.7	212.9
EBITDA	78.7	70.7	72.0
Adj. PAT	49.2	41.8	41.4
Adj. EPS (INR)	30.3	25.7	25.4
EPS Gr. (%)	-19.5	-15.0	-1.0
BV/Sh.(INR)	300.3	318.2	335.8

Ratios

Net D:E	0.2	0.2	0.2
RoE (%)	10.4	8.3	7.8
RoCE (%)	6.8	5.4	5.1
Payout (%)	30.6	30.6	30.6

Valuations

P/E (x)	14.4	17.0	17.1
P/BV (x)	1.5	1.4	1.3
EV/EBITDA (x)	10.2	11.5	11.4
Div. Yield (%)	2.1	1.8	1.8
FCF Yield (%)	1.0	2.2	2.1

Shareholding Pattern (%)

As On	Sep-25	Jun-25	Sep-24
Promoter	56.7	56.7	56.7
DII	29.1	28.3	26.3
FII	7.6	8.2	10.6
Others	6.7	6.9	6.5

FII includes depository receipts

CMP: INR436

TP: INR400 (-8%)

Neutral

Muted volume growth and well write-offs weigh on 2Q performance

- Oil India's (OINL) 2QFY26 revenue came in line with our estimate at INR54.6b. However, oil/gas sales were 4%/2% below our estimate at 0.83mmt/0.66bcm. Oil realization was USD68.2/bbl (our est. USD67.8/bbl). Adj. EBITDA was 16% below estimate at INR18.4b (-16% YoY). One-off expenses stood at INR5.2b. Exploration cost write-off/provisions/impairments stood at INR9.8b (INR4.6b in 1QFY26). Reported PAT was 38% below our estimate at INR10.4b.
- Upstream has remained our least preferred sector since Jun'24 ([Upstream remains our relatively less preferred sector despite cheap valuations](#)): We have been bearish on crude oil prices since Jun'24 when Brent oil prices were USD83/bbl amid record-high OPEC+ spare capacity ([Oil price outlook: Has the crude oil party peaked?](#)). Since then, Brent prices have corrected ~23%, while ONGC's stock price has corrected ~10%.
- For FY26, standalone production is guided at 3.55mmt of oil and 3.6bcm of gas, indicating a marginal reduction vs. the previous guidance. For FY27/28, guidance is maintained at 3.8/4mmt of oil and 3.8/4.6bcm of gas. However, in the past few quarters, ONGC has struggled to raise production/sales, with marginal YoY production/sales growth in 1HFY26. Hence, we build in a CAGR of 2.7%/4.2% in OINL's standalone oil/gas production over FY25-28, reaching 3.7mmt/3.7bcm in FY28.
- We cut our PAT estimates by 8%/9%/10% for FY26/27/28, as we increase exploration cost write-off expenses. We maintain our Neutral rating on the stock and arrive at our SoTP-based TP of INR400 as we model a CAGR of 2.7%/4.2% in oil/gas production volume over FY25-28.

Other key takeaways from the conference call

- OINL budgeted INR70b in standalone capex in FY26, which is likely to be surpassed. Of this, INR55.61b has been incurred.
- Eighteen new wells were drilled in 2Q (100% of target drilling achieved) and 32 new wells were drilled in 1H (28% up YoY).
- PM inaugurated the Assam Bioethanol plant, a JV of NRL on 14th Sep'25. It is India's first 2G bio-ethanol plant, using bamboo as its feedstock.
- A 200tpd formalin plant has been commissioned in Bongaigaon by Assam Petrochemicals, a JV in the northeast.
- OINL has recovered 109% of its investment in Russia.

Higher-than-expected opex drive miss

- OINL's revenue came in line with our estimate at INR54.6b.
- Oil /gas sales were 4%/2% below our estimate at 0.83mmt/0.66bcm.
- Oil production fell 3% YoY to 848mmt. Gas production was flat YoY at 804bcm.

Abhishek Nigam – Research Analyst (Abhishek.Nigam@MotilalOswal.com)

Research Analyst - Rishabh Daga (Rishabh.Daga@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.

- Oil realization was USD68.2/bbl (our estimate of USD67.8/bbl).
- Adj. EBITDA was 16% below estimate at INR18.4b (-16% YoY).
- During the quarter, OINL exited from one overseas blocks in Gabon and booked impairment expenses of INR1.9b and penalty toward unfinished work program of INR444m.
- The crude oil forward pumping tariff was revised for NRL, with effect from FY19. The total amount arising from this revision up to 30th Sep'25 is ~INR2.9b (including arrears of about INR2.6b up to 31st Mar'25), and this has been recognized in 2Q.
- Exploration cost write-off/provisions/impairments stood at INR9.8b (INR4.6b in 1QFY26).
- Reported PAT was 38% below our estimate at INR10.4b.
- Numaligarh refinery's 2Q performance: PAT stood at INR7.2b (vs. INR1.8b in 2QFY25), as GRM was USD10.6/bbl. Crude throughput stood at 752.9tmt (up 10% YoY), and distillate yield was at 86.2% (vs. 84.1% in 2QFY25).
- The board declared an interim dividend of INR3.5/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. While we like the increased exploration intensity (key to building a robust development pipeline), we believe this will likely be accompanied by high dry well write-offs, which will dent earnings. The benefits of increased new well gas proportion for OINL will be mostly offset by subdued gas realization amid a weak crude oil price outlook.
- Following continued exploratory well write-offs, we cut our FY26/27 SA EPS for OINL by 8%/9%. On our revised estimates, OINL will report SA PAT CAGR of -12% over FY25-28. Given a sluggish earnings outlook, we maintain our PE multiple at 6x on Dec'27E EPS. We maintain our SoTP-based TP of INR400 as we model a 2.7%/4.2% production volume CAGR for oil/gas over FY25-28.

Quarterly Performance

(INR b)

Y/E March	FY25				FY26				FY25	FY26E
	1Q	2Q	3Q	4Q	1Q	2Q	3QE	4QE		
Net Sales	58.4	55.2	52.4	55.2	50.1	54.6	53.3	53.6	221.2	211.6
Change (%)	25.7	-6.7	-9.9	-4.1	-14.2	-1.1	1.7	-2.8	-0.1	-4.3
EBITDA	24.7	21.8	21.3	19.8	19.1	18.4	21.8	19.3	87.7	78.7
% of Net Sales	42.2	39.6	40.7	36.0	38.2	33.8	40.9	36.0	39.6	37.2
Change (%)	5.9	-12.3	1.3	-15.0	-22.4	-15.5	2.2	-2.7	-5.3	-10.3
D,D&A	4.6	5.0	5.3	4.3	5.3	5.8	5.7	4.7	19.2	21.5
Interest	2.0	2.3	2.4	2.0	1.5	2.6	2.8	3.1	8.7	10.1
OI (incl. Oper. other inc)	1.6	8.6	1.9	6.6	1.8	8.3	1.9	6.7	18.7	18.6
PBT before exceptional	19.7	23.1	15.5	20.2	14.0	18.4	15.1	18.2	78.5	65.8
Exceptional item	0.0	0.0	0.0	0.0	3.1	5.2	0.0	0.0	0.0	8.3
PBT after exceptional	19.7	23.1	15.5	20.2	11.0	13.2	15.1	18.2	78.5	57.5
Tax	5.1	4.7	3.3	4.3	2.8	2.7	3.8	7.2	17.4	16.6
Rate (%)	25.7	20.4	21.2	21.2	20.2	14.9	25.2	39.4	22.1	25.2
PAT	14.7	18.3	12.2	15.9	8.1	10.4	11.3	11.0	61.1	40.9
Change (%)	-9.1	463.8	-22.9	-21.6	-44.5	-43.1	-7.3	-30.7	29.4	-33.0
Adj. PAT	14.7	18.3	12.2	15.9	11.2	15.6	11.3	11.0	61.1	49.2
Key Assumptions										
Oil sales (mmt)	0.83	0.84	0.83	0.85	0.82	0.83	0.88	0.95	3.35	3.47
Gas sales (bcm)	0.68	0.65	0.68	0.67	0.70	0.66	0.69	0.67	2.67	2.72
Net Oil Realization (USD/bbl)	74.6	73.9	73.8	74.5	66.2	68.2	63.6	63.6	74.2	72.1

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	87.1	88.2	90.0
Gas Price Realization (USD/mmbtu)	3.8	2.2	2.6	7.3	6.5	6.5	6.8	6.7	6.4
Brent Crude Price (USD/bbl)	61.2	44.4	80.5	96.1	83.0	78.6	66.9	60.0	60.0
Production Details									
Oil (mmt)	3.13	2.96	3.01	3.18	3.36	3.46	3.53	3.63	3.74
Gas (bcm)	2.77	2.48	2.89	3.18	3.18	3.25	3.33	3.50	3.67
Total (mmtoe)	5.90	5.44	5.90	6.36	6.54	6.71	6.86	7.13	7.42
Subsidy Sharing (INRb)	-	-	-	-	-	-	-	-	-
Oil Price Realization (USD/bbl)									
Net	60.8	44.3	78.8	85.2	75.7	74.2	65.0	65.0	63.3
Change (%)	-11%	-27%	78%	8%	-11%	-2%	-12%	0%	-3%
EPS (INR/sh.)	15.9	13.5	23.9	41.9	48.7	37.6	30.3	25.7	25.4

2QFY26 in charts

Exhibit 1: Total production stood flat YoY at 1.65mmtoe

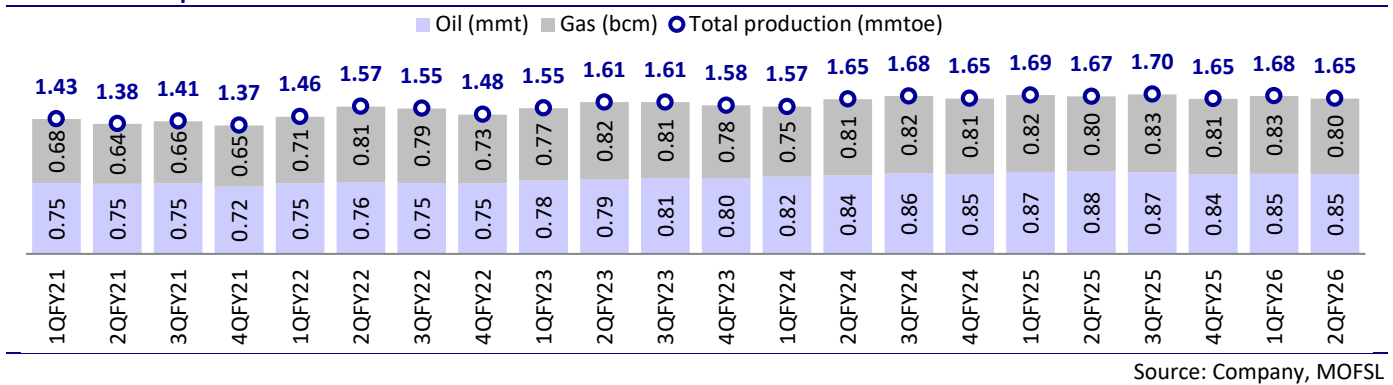


Exhibit 2: Sales flat YoY to 1.52mmtoe

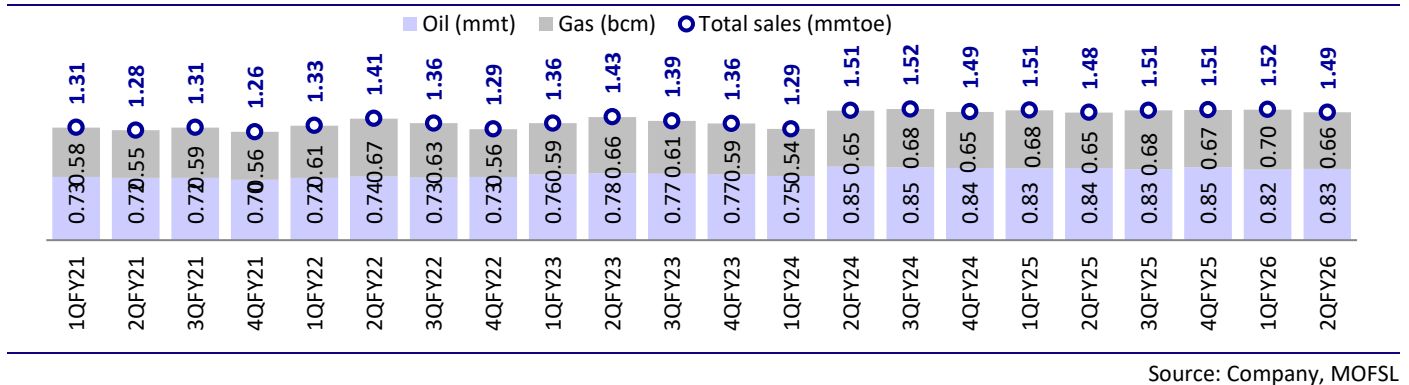
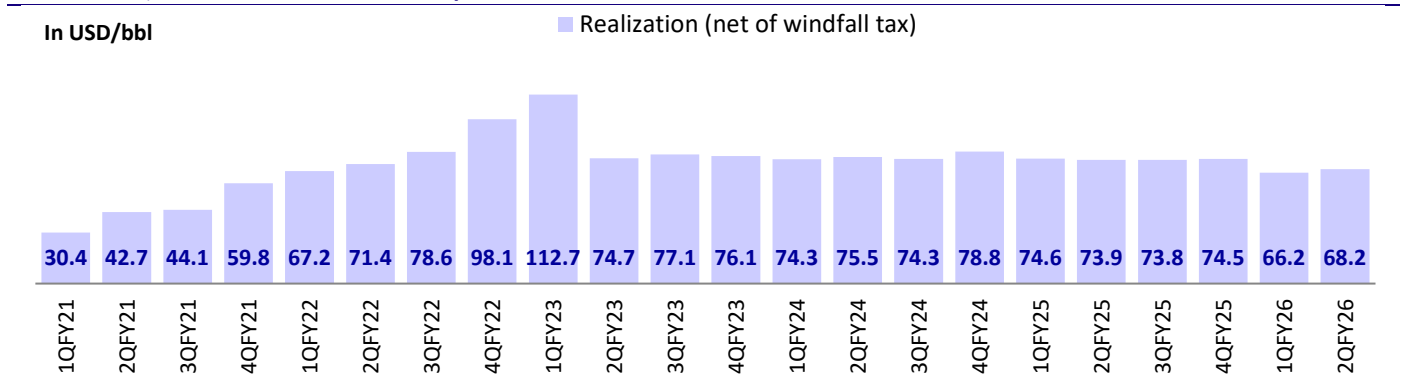
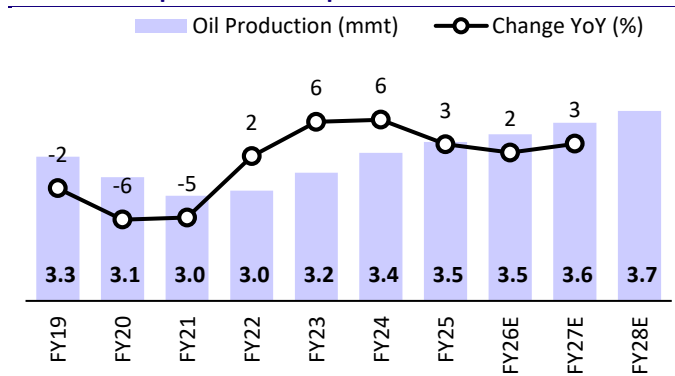


Exhibit 3: 2QFY26 realization at USD68.2/bbl

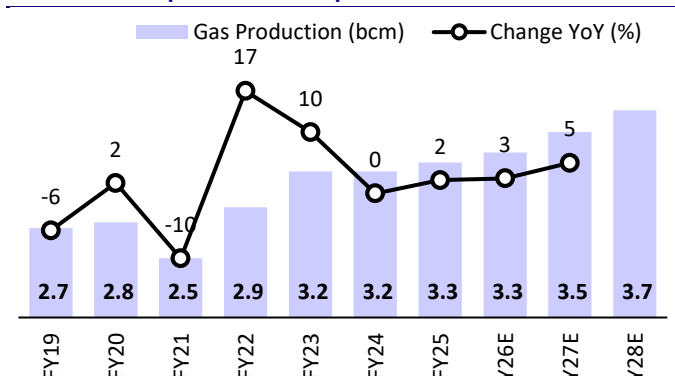


*Post 1QFY23, realization is net of windfall tax

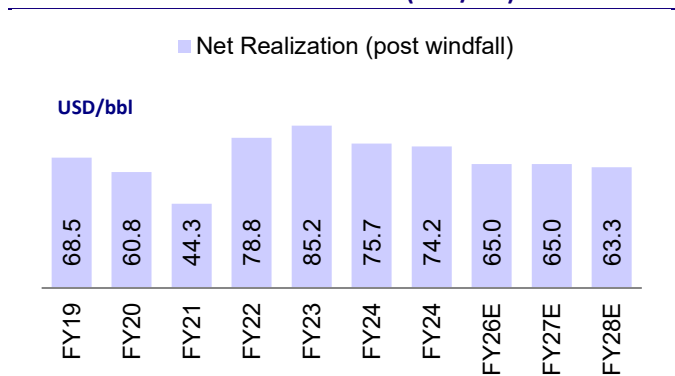
Story in charts

Exhibit 4: Oil production snapshot


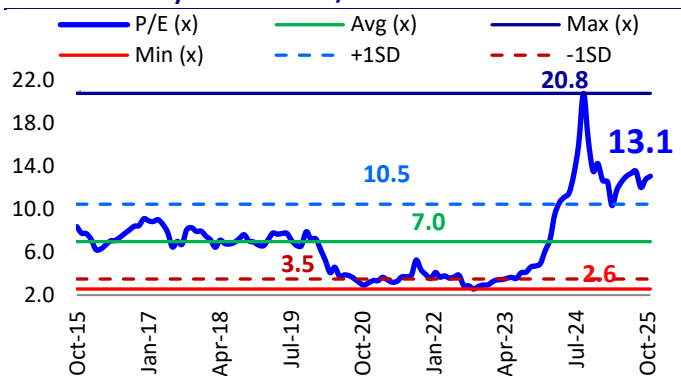
Source: Company, MOFSL

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 volume guidance and outlook:

- FY26 oil/gas production targets: 3.55mmt/3.6bcm
- FY27 oil/gas production targets: 3.798mmt/3.8bcm
- FY28 oil/gas production targets: 3.98 to 4mmt/4.6bcm

Capex:

- OINL budgeted INR70b in standalone capex in FY26, which is likely to be surpassed. Of this, INR55.61b has been incurred.

2Q production:

- Oil and gas production is 1.652mmtoe.
- Crude oil production reached 0.848mmt (0.6% down QoQ, 2.58% down YoY).
- Natural gas production was 0.804Bbcm (2.8% down QoQ, 0.6% up YoY).
- Production declined on account of external factors in the north-east.

Exploration and development:

- 18 new wells drilled in 2Q (100% of target drilling achieved), 32 new wells drilled in H1(28% up YoY)
- Gas occurrence in East Andaman was a key milestone in the Andaman basin exploration campaign.

Andaman wells:

- Vijayapuram I and Vijayapuram II wells (a provision of INR7.23b has been written off against Vijayapuram II) are completed. A supplementary 3D seismic is planned within 3-4 months for Vijayapuram II to appraise occurrence of gas.
- Another well is being drilled.

Deep water exploration:

- The company has a service agreement with Total Energies, an oil and gas major, to leverage their expertise in well design, planning and other engineering strategies.
- The company is also reaching out to Worldside Energy to partner in the same domain.

NRL:

- Current run rate is 0.9-1mmscmd, which will go up to 3mmscmd after 100% capacity utilization.
- 2Q capacity utilization for the refinery stood at 100% and distillate yield stood at 86%.
- Capacity utilization for the refinery to be more than 100% throughout the year.
- GRM was USD10.56/bbl (of which USD0.44 is attributable to inventory) for 2Q and USD 7.73/bbl for 2H.
- There will be a shutdown in FY27.
- Capacity expansion will be commissioned by Dec'25. Capacity to be ramped up by 2QFY27.

Dividend from Russian entities:

- OINL has recovered 109% of its investment in Russia. The total dividend paid back is USD474m against an investment of USD436m.

Others:

- Force Majeure has been withdrawn w.e.f. Nov'25.
- PM inaugurated the Assam Bioethanol plant, a JV of NRL on 14th Sep'25. It is India's first 2G Bio-ethanol plant, using bamboo as its feedstock.
- A 200tpd formalin plant has been commissioned in Bongaigaon by Assam Petrochemicals, a JV in the north east.
- Average crude oil realization was USD19/bbl in 1Q and USD67.22/bbl in 1H. Revenue declined 44% YoY on account of reduction in crude oil realization by 18% YoY.
- PAT declined on account of lower realization and higher provisioning of exploration and provisioning activities.
- The sharp increase in employee expenses was due to an actuarial deficit arising from the increase in the gratuity amount on account of an increase in DA percentage.
- DPNL pipeline work is mechanically completed. Necessary approvals from the authorities are awaited. The same will be running by Apr'26.
- FY26 oil/gas production target: 3.7mmt/3.65bcm

Financials and valuations

Income Statement						(INR b)
Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E
Net Sales	232.7	221.3	221.2	211.6	204.7	212.9
Change (%)	60.1	-4.9	-0.1	-4.3	-3.3	4.0
EBITDA	96.8	92.6	87.7	78.7	70.7	72.0
% of Net Sales	41.6	41.8	39.6	37.2	34.6	33.8
D,D&A	15.9	17.8	19.2	21.5	22.6	24.0
Interest	7.2	7.6	8.7	10.1	10.9	11.3
Other Income	14.9	23.8	18.7	18.6	18.6	18.6
Exceptional items	0.0	23.6	0.0	0.0	0.0	0.0
PBT	88.6	67.5	78.5	65.8	55.9	55.3
Tax	20.5	11.9	17.4	16.6	14.1	13.9
Rate (%)	23.1	17.7	22.1	25.2	25.2	25.2
PAT	68.1	55.5	61.1	49.2	41.8	41.4
Adj. PAT	68.1	71.4	61.1	49.2	41.8	41.4
Change (%)	75.2	-18.5	10.1	-19.5	-15.0	-1.0

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	472.2	501.2	530.0
Net Worth	343.7	441.2	454.3	488.5	517.5	546.2
Total Loans	111.6	113.4	120.7	140.7	145.7	155.7
Deferred Tax	28.1	27.9	27.0	27.0	27.0	27.0
Capital Employed	483.4	582.5	602.1	656.2	690.2	729.0
Gross Fixed Assets	263.5	298.1	332.8	407.8	468.3	528.8
Less: Depreciation	127.5	145.2	164.4	185.9	208.5	232.4
Net Fixed Assets	136.0	152.9	168.4	221.9	259.8	296.3
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	18.5	17.9	18.6
Debtors	22.2	25.8	26.9	25.7	24.9	25.9
Cash & Bank Balance	13.5	30.7	41.5	43.7	40.9	41.8
Cash	2.5	2.4	4.0	6.2	3.4	4.3
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	32.7	31.6	32.9
% of sales	16.4	16.4	16.4	16.4	16.4	16.4
Current Liab. & Prov.						
Liabilities	40.6	34.7	44.2	42.3	40.9	42.5
Provisions	17.7	33.8	48.1	48.1	48.1	48.1
Net Current Assets	29.5	30.0	29.6	30.2	26.3	28.5
Application of Funds	483.4	582.5	602.1	656.2	690.2	729.0

Financials and valuations

Ratios

Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E
Basic (INR)						
EPS (Adj)	41.9	43.9	37.6	30.3	25.7	25.4
Cash EPS	51.7	45.0	49.4	43.4	39.6	40.2
Book Value	211.3	271.3	279.3	300.3	318.2	335.8
DPS	16.7	10.5	11.5	9.3	7.9	7.8
Payout (incl. Div. Tax.)	39.8	30.8	30.6	30.6	30.6	30.6
Valuation (x)						
P/E	10.4	9.9	11.6	14.4	17.0	17.1
Cash P/E	8.4	9.7	8.8	10.0	11.0	10.9
EV / EBITDA	8.3	8.6	9.0	10.2	11.5	11.4
EV/Sales	3.5	3.6	3.6	3.8	4.0	3.9
Price / Book Value	2.1	1.6	1.6	1.5	1.4	1.3
Dividend Yield (%)	3.8	2.4	2.6	2.1	1.8	1.8
Profitability Ratios (%)						
RoE	21.2	14.1	13.7	10.4	8.3	7.8
RoCE	13.5	11.6	9.0	6.8	5.4	5.1
RoIC	41.8	37.4	30.7	20.5	14.2	12.3
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

(INR b)

Y/E March	FY23	FY24	FY25	FY26E	FY27E	FY28E
OP/(Loss) before Tax	88.6	67.5	78.5	65.8	55.9	55.3
Interest expense	6.7	6.8	7.8	10.1	10.9	11.3
Depreciation	15.9	17.8	19.2	21.5	22.6	24.0
Interest /Other Income	-13.6	-22.0	-16.3	0.0	0.0	0.0
Direct Taxes Paid	-21.3	-19.1	-17.4	-16.6	-14.1	-13.9
(Inc)/Dec in Wkg. Capital	-16.1	-14.5	-11.9	1.6	1.1	-1.3
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	82.3	76.4	75.3
(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	7.3	15.9	14.8
(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	-10.1	-10.9	-11.3
Inc / (Dec) in Debt	-13.5	0.0	4.0	20.0	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	-15.1	-12.8	-12.7
CF from Fin. Activity	-42.2	-27.8	-27.8	-5.1	-18.7	-14.0
Inc / (Dec) in Cash	-1.5	-0.1	1.6	2.2	-2.8	0.8
Add: Opening Balance	4.0	2.5	2.4	4.0	6.2	3.4
Closing Balance	2.5	2.4	4.0	6.2	3.4	4.3

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 & 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 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

- 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
- 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.
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
- 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.
- 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.
- Research Analyst has not served as an officer, director or employee of subject company(ies).
- 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(ies) in the past 12 months.
- 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.
- MOFSL may have received compensation or other benefits from the subject company(ies) or third party in connection with the research report.
- 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, 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 dpgrievances@motilaloswal.com.