

Estimate change

TP change

Rating change



Bloomberg	ONGC IN
Equity Shares (m)	12580
M.Cap.(INRb)/(USD\$)	3002.5 / 34.3
52-Week Range (INR)	345 / 205
1, 6, 12 Rel. Per (%)	1/-5/-31
12M Avg Val (INR M)	3709

Financials & Valuations (consol) (INR b)

Y/E March	FY25	FY26E	FY27E
Sales	6,633	5,562	5,447
EBITDA	989	997	990
Adj. PAT	384	355	374
Adj. EPS (INR)	31	28	30
EPS Gr. (%)	(32)	(8)	5
BV/Sh.(INR)	268	286	306

Ratios

Net D:E	0.4	0.3	0.1
RoE (%)	11.3	10.0	9.8
RoCE (%)	9.7	10.1	10.0
Payout (%)	40.2	34.1	32.1

Valuations

P/E (x)	7.8	8.5	8.0
P/BV (x)	0.9	0.8	0.8
EV/EBITDA (x)	4.4	4.0	3.6
Div. Yield (%)	5.0	3.9	3.9
FCF Yield (%)	16.4	20.3	21.9

Shareholding pattern (%)

As On	Jun-25	Mar-25	Jun-24
Promoter	58.9	58.9	58.9
DII	30.1	30.2	29.1
FII	7.1	7.1	8.6
Others	3.9	3.8	3.5

FII Includes depository receipts

CMP: INR239

TP: IN230 (-4%)

Downgrade to Neutral

Volume guidance cut, price outlook muted

- ONGC's 1QFY26 revenue came in 5% above our est. at INR320b. Crude oil/gas sales were in line with our est. at 4.7mmt/3.9bcm. VAP sales stood at 616tmt (est. 633tmt). Reported oil realization was USD66.1/bbl, representing a USD0.9/bb discount to Brent during the quarter. EBITDAX also stood 12% above our est. at INR186.6b, while PAT of INR80.2b was 4% above our est. DDA, dry well write-offs, and survey costs stood above estimates, while other income came in below estimate, impacting profitability.
- Upstream has remained our least preferred sector since Jun'24: 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 13%. In the past few quarters, strong volume growth guidance by ONGC, after years of under-investment and sluggish volume trajectory, has fueled investor enthusiasm in upstream stocks. While we have had a BUY rating on ONGC, upstream has been our least preferred sector ([Upstream remains our relatively less preferred sector despite cheap valuations](#)).
- In the past few quarters, ONGC has struggled to raise production/sales, with no YoY production/sales growth in 1Q.
- Cut FY26/FY27 SA earnings estimates by 6%/11%; higher gas realization argument under pressure: Given continued weak volume growth, we cut our FY26/FY27 SA EPS estimates for ONGC by 6%/11%. While we like 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.
- Benefits of increased new well gas proportion for ONGC will be mostly offset by subdued gas realization amid a weaker crude oil price outlook.
- On our revised estimates, ONGC is estimated to report SA PAT CAGR of -8% over FY25-27. Given a sluggish earnings outlook, we cut FY27 PE multiple to 6x. Our SA PAT estimates for ONGC are 14%/22% below Street estimates for FY26/FY27.
- Oil prices may remain under pressure amid record-high OPEC+ spare capacity: Current OPEC+ spare capacity is 4.6mb/d, which is at a multi-year high. OPEC+ has already accelerated the unwinding of 2.2mb/d spare capacity in a bid to increase its market share. Further, tariff-related uncertainty can lead to world GDP growth, and therefore oil demand has been under continued pressure.
- Lastly, a weaker oil price outlook also raises risks of further impairments, especially for ONGC's overseas assets.
- Key risks/monitorables to watch out for:
- While we build in a crude oil price of USD65/bbl in FY26/FY27, downside risks to crude oil price remain elevated.
- Cut to Street earnings estimates as ONGC SA guides for 5% volume CAGR over FY25-27, which we believe is aggressive.
- Considering the above factors, we downgrade ONGC to Neutral. We arrive at our SoTP-based TP of INR230 as we model a CAGR of 2%/4% in oil/gas production volume over FY25-27.

Key takeaways from the conference call

- FY26 SA production guidance: 19.93mmt/20.11mmt for oil/gas. FY27 SA production guidance: 21mmt/21.487mmt for oil/gas
- Current NW gas is ~2.6bcm (13-14%). In FY27, NW gas shall be ~4.8+bcm (24-25%).
- KG-98/2 production (both oil and gas) should ramp up from Jan-Feb'26, and gas production should ramp up to **6-7mmcmd by FY26 end**.
- **ONGC BP contract:** Teams are working and **tangible production output should be visible from 4QFY26**.

EBITDAX beats estimates; high DDA drags PAT

- In 1QFY26, ONGC's revenue came in 5% above our est. at INR320b.
- Crude oil/gas sales were in line with our est. at 4.7mmt/3.9bcm. VAP sales stood at 616tmt (est. 633tmt).
- Reported oil realization was USD66.1/bbl, at a USD0.9/bb discount to Brent during the quarter.
- Crude oil and natural gas production was flat QoQ/YoY.
- EBITDAX also stood 12% above our est. at INR186.6b, while PAT of INR80.2b was 4% above our est.
- DDA, dry well write-offs, and survey costs stood above estimate, while other income came in below estimate, impacting profitability.
- **ONGC Videsh Limited**
- OVL's oil production was marginally down YoY at 1.75mmt, while gas production was 0.7bcm (similar YoY).
- Crude oil sales stood at 1.17mmt, while gas sales came in at 0.43bcm (down YoY).
- OVL's revenue was INR24.5b, and PBDT stood at INR4.5b.

Valuation and view

- In the past few quarters, ONGC has struggled to raise production/sales, with no meaningful production/sales growth YoY of 1Q. Further, we like the increased exploration intensity (which is key to building a robust development pipeline), though we believe it will likely be accompanied by higher dry well write-offs, which will weigh on earnings. Also, the benefits of increased new well gas proportion for ONGC will be mostly offset by subdued gas realization amid a weaker crude oil price outlook.
- Given continued weak volume growth, we cut our FY26/FY27 SA EPS estimates for ONGC by 6%/11%. On our revised estimates, ONGC will report SA PAT CAGR of -8% over FY25-27. Given a sluggish earnings outlook, we cut FY27 PE multiple to 6x. Owing to the above factors, **we downgrade ONGC to Neutral**. We arrive at our SoTP-based TP of INR230 as we model a CAGR of 2%/4% in oil/gas production volume growth over FY25-27.

Standalone - Quarterly Earning Model (INR b)

Y/E March	FY25				FY26E				FY25	FY26
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE		
Net Sales	352.7	338.8	337.2	349.8	320.0	309.6	317.6	318.3	1,378.5	1,265.5
YoY Change (%)	4.3	0.2	-4.1	0.6	-7.6	-12.2	-6.3	-5.6	-0.4	-8.2
Total Expenditure	165.2	156.4	146.6	159.7	133.5	139.5	143.5	148.9	626.4	565.3
EBITDAX	187.5	182.4	190.6	190.1	186.6	170.1	174.1	169.4	752.1	700.2
Margin (%)	53.2	53.8	56.5	54.3	58.3	54.9	54.8	53.2	54.6	55.3
Depreciation	75.4	68.1	87.0	111.3	80.0	83.2	88.3	105.5	341.8	357.0
Interest	11.8	11.6	10.7	11.9	11.2	10.8	10.0	10.9	46.0	42.9
Other Income	19.3	47.7	17.2	20.7	12.1	47.2	17.1	27.5	104.8	103.9
PBT	119.6	150.4	110.0	87.7	107.4	123.4	92.9	80.5	469.1	404.2
Tax	30.2	30.5	27.6	23.2	27.2	31.1	23.4	20.3	111.5	101.9
Rate (%)	25.2	20.3	25.1	26.5	25.3	25.2	25.2	25.2	23.8	25.2
Reported PAT	89.4	119.8	82.4	64.5	80.2	92.3	69.5	60.2	357.6	302.3
Key Assumptions (USD/bbl)										
Oil Realization (pre windfall tax)	83.1	78.3	72.6	73.7	66.1	65.0	65.0	65.0	76.9	72.7
Crude Oil Sold (mmt)	4.6	4.6	4.7	4.8	4.7	4.7	4.9	4.9	19	19
Gas Sold (bcm)	3.8	3.9	3.9	3.9	3.9	4.0	4.0	4.0	16	16
VAP Sold (tmt)	629	608	649	645	616	682	682	682	2,531	2,518

Major Assumptions

Particulars	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Exchange Rate (INR/USD)	70.0	70.9	74.3	74.5	80.4	82.8	84.6	86.0	86.2
APM Gas Price (USD/mmBtu)	3.5	3.8	2.3	2.6	7.3	6.6	6.5	6.9	7.5
Brent crude price (USD/bbl)	70.1	61.2	44.4	80.5	96.1	83.0	78.6	65.4	65.0
Production Details (mmtoe)									
Domestic Oil Production (mmt)	24.2	23.4	22.5	21.7	21.5	21.2	20.9	21.4	21.8
Domestic Gas Production (bcm)	25.8	24.9	22.8	21.7	21.4	20.6	20.2	20.9	21.9
Domestic Production (mmtoe)	50.0	48.3	45.3	43.4	42.8	41.8	41.1	42.3	43.6
OVL Production (mmtoe)	14.8	14.7	13.0	12.3	9.8	10.5	10.3	11.3	11.8
Group Production (mmtoe)	64.9	62.9	58.4	55.7	52.6	52.3	51.4	53.6	55.4
Oil Price Realization (USD/bbl)									
Gross	68.9	58.8	42.8	76.4	92.1	80.8	76.9	65.3	65.0
Net	68.9	58.8	42.8	76.4	79.0	70.4	71.5	62.9	65.0
Consolidated EPS	27.7	13.3	16.5	32.9	32.0	44.9	30.6	28.2	29.7



Highlights from the management commentary

Production growth:

- FY26 SA production guidance: 19.93mmt/20.11mmtoe oil/gas. FY27 SA production guidance: 21mmt/21.487mmtoe **for oil/gas (guidance downgraded)**.
- Guidance given **on previous call**: FY26 SA production guidance: 21.5mmt/21mmtoe oil/gas. FY27 SA production guidance: 22mmtoe gas.
- **NW gas**
- Current NW gas is ~2.6bcm (13-14%). In FY27, NW gas shall be ~4.8+bcm (24-25%).

KG-98/2:

- Current production: 30+kb/d oil and 3mmscmd gas.
- Production (both oil and gas) should **ramp up from Jan-Feb'26**, and gas production should ramp up to **6-7mmscmd by FY26 end**.
- The living quarter and platform installation are still pending at KG-98/2 (**delayed**). This will be completed by Dec'25.
- Peak oil/gas production shall be 45kbpd/10mmscmd.

ONGC BP contract:

- Teams are working and **tangible production output should be visible from 4QFY26**.

Capex:

- FY26 capex guidance maintained: INR320-350b (INR800-100b exploration, INR150b on infra and INR100b on drilling).

OPAL:

- Ethane usage will start from FY28. ONGC is planning to own ships for transportation of Ethane (cheaper).
- Ethane usage from FY28: 600ktpa
- OPAL was EBITDA positive in 1Q (INR130m). Plant is running at 90% capacity and should end the year on a positive note.
- Interest rate and debt are going down.

OVL:

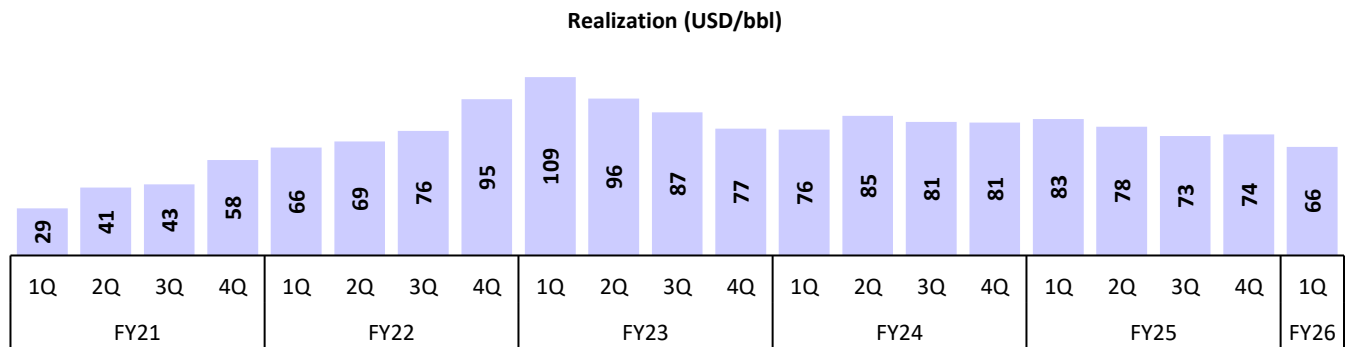
- A change in the accounting method has led to a sharp decline in YoY revenue for OVL. However, OVL is receiving profits via JV.
- In Mozambique, the force majeure can be lifted any day and work has already started there.

Other KTAs:

- Contribution to OPAL in 4Q and a decline in interest rates led to a decline in other income in 1Q.

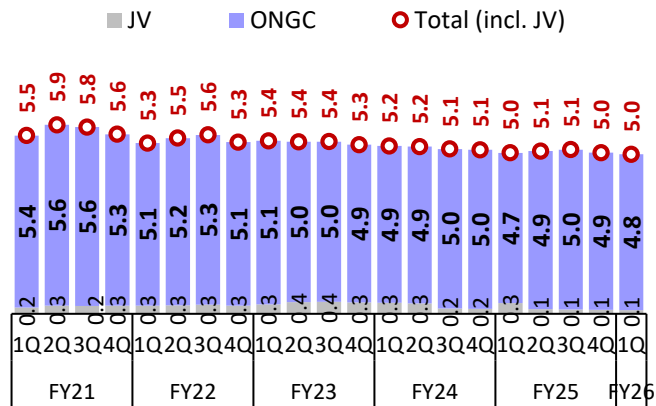
Story in charts

Exhibit 1: Oil price realization (USD/bbl)



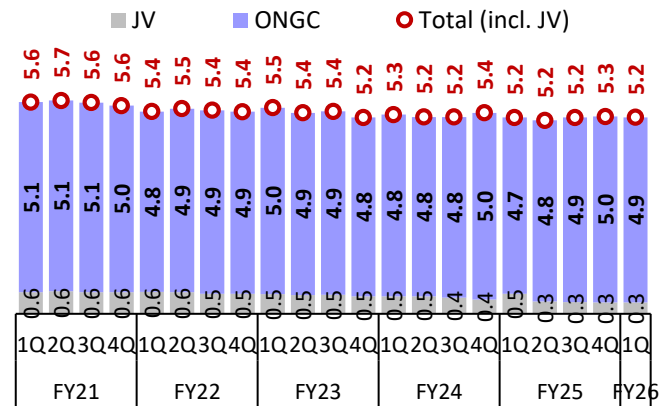
Source: Company, MOFSL

Exhibit 2: Oil production (mmt)



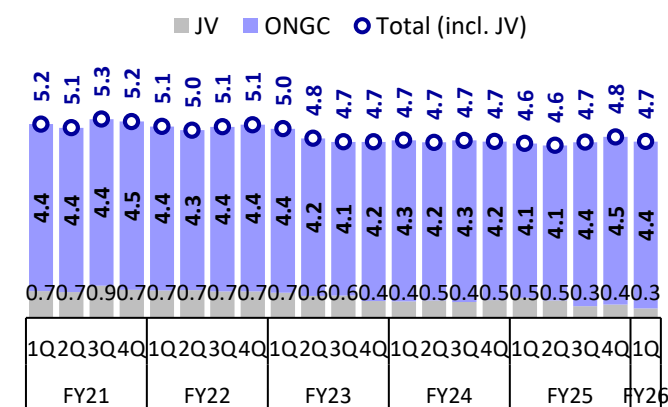
Source: Company, MOFSL

Exhibit 3: Gas production (bcm)



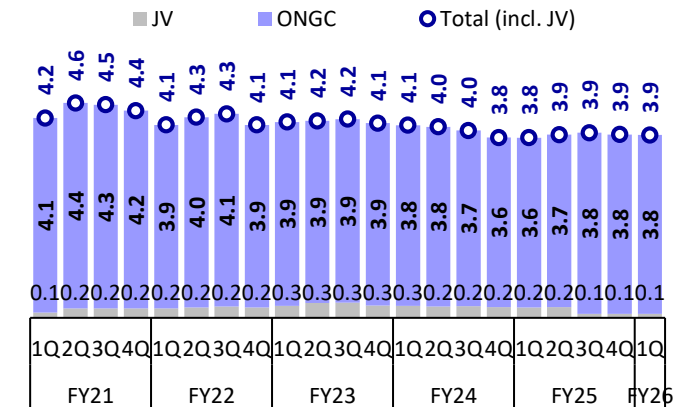
Source: Company, MOFSL

Exhibit 4: Oil sales (mmt)



Source: Company, MOFSL

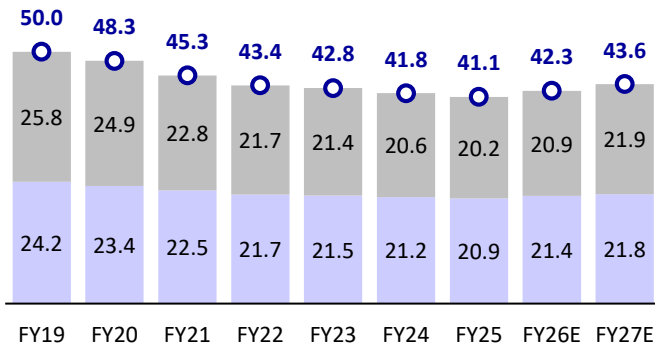
Exhibit 5: Gas sales (bcm)



Source: Company, MOFSL

Exhibit 6: Oil/Gas production to increase

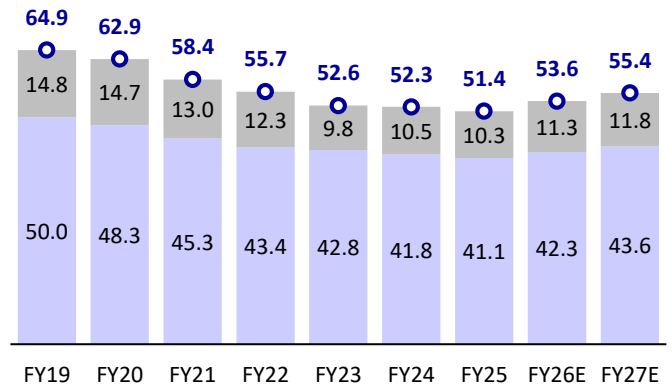
■ Domestic Gas Production (bcm) ■ Domestic Oil Production (mmt)



Source: Company, MOFSL

Exhibit 7: OVL production to increase

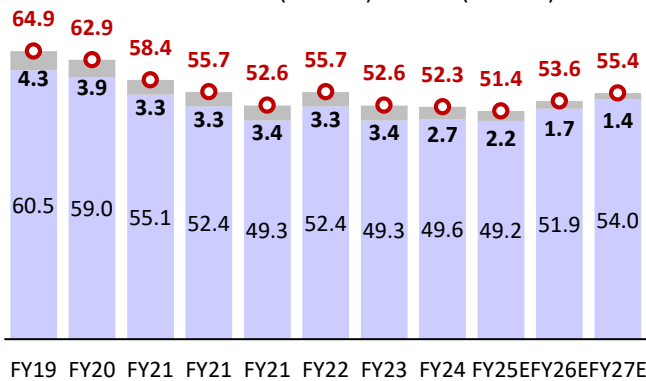
■ Domestic Production (mmt) ■ OVL Production (mmt)



Source: Company, MOFSL

Exhibit 8: JV contribution to decline marginally

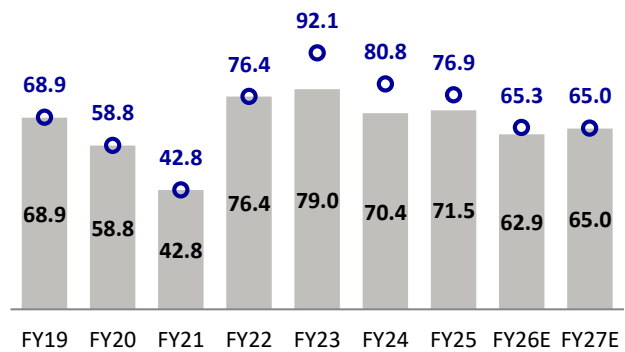
■ ONGC + OVL (mmt) ■ JVs (mmt)



Source: Company, MOFSL

Exhibit 9: Realization of ONGC (USD/bbl)

■ Oil realization (USD/bbl) ■ Net (post windfall) ■ Gross



Source: Company, MOFSL

Financials and Valuations (consolidated)

Consolidated - Income Statement (INR b)

Y/E March	FY23	FY24	FY25	FY26E	FY27E
Total Income from Operations	6,848	6,532	6,633	5,562	5,447
Change (%)	28.8	-4.6	1.5	-16.1	-2.1
EBITDAX	857	1,082	989	997	990
Margin (%)	12.5	16.6	14.9	17.9	18.2
Depreciation	330	363	452	452	468
EBIT	527	719	537	546	522
Int. and Finance Charges	79	130	145	111	88
Other Income	81	120	124	112	128
PBT bef. EO Exp.	528	709	515	547	561
EO Items	-81	-16	-2	0	0
PBT after EO Exp.	447	693	514	547	561
Total Tax	107	184	141	134	138
Tax Rate (%)	23.9	26.5	27.4	24.5	24.5
Share of associates/JVs/Minority int	0	-43	-10	58	50
Reported PAT	340	553	383	355	374
Adjusted PAT	402	565	384	355	374
Change (%)	-2.7	40.4	-31.9	-7.7	5.3
Margin (%)	5.9	8.6	5.8	6.4	6.9

Consolidated - Balance Sheet

Y/E March	FY23	FY24	FY25	FY26E	FY27E
Equity Share Capital	63	63	63	63	63
Total Reserves	2,783	3,328	3,372	3,606	3,859
Net Worth	2,845	3,391	3,434	3,668	3,922
Minority Interest	150	206	308	376	437
Total Loans	1,636	1,577	1,536	1,228	983
Deferred Tax Liabilities	271	318	317	317	317
Capital Employed	4,903	5,492	5,595	5,590	5,658
Gross Block	5,476	6,235	6,779	6,415	6,506
Less: Accum. Deprn.	2,863	3,167	3,519	4,011	4,441
Net Fixed Assets	2,613	3,068	3,260	2,404	2,065
Goodwill on Consolidation	120	121	128	128	128
Capital WIP	957	917	870	1,624	1,845
Exploratory wells under progress	202	240	253	253	253
Total Investments	766	1,022	970	970	970
Curr. Assets, Loans&Adv.	1,711	1,988	2,035	1,912	2,077
Others	713	771	857	880	903
Inventory	460	538	590	472	461
Account Receivables	213	222	236	192	188
Cash and Bank Balance	291	418	272	288	444
Cash	26	41	46	130	347
Bank Balance	265	377	226	158	98
Loans and Advances	34	39	80	80	80
Curr. Liability & Prov.	1,467	1,865	1,922	1,702	1,680
Account Payables	1,009	1,288	1,308	1,088	1,066
Net Current Assets	244	124	113	210	397
Appl. of Funds	4,903	5,492	5,595	5,590	5,658

Financials and Valuations (consolidated)

Ratios

Y/E March	FY23	FY24	FY25	FY26E	FY27E
Basic (INR)					
EPS	32.0	44.9	30.6	28.2	29.7
Cash EPS	57.1	72.3	65.2	62.9	65.6
BV/Share	221.7	264.2	267.6	285.9	305.6
DPS	11.0	12.0	12.0	9.4	9.3
Payout (%)	41.6	27.9	40.2	34.1	32.1
Valuation (x)					
P/E	7.5	5.3	7.8	8.5	8.0
Cash P/E	4.2	3.3	3.7	3.8	3.6
P/BV	1.1	0.9	0.9	0.8	0.8
EV/Sales	0.6	0.6	0.7	0.7	0.7
EV/EBITDA	5.1	3.9	4.4	4.0	3.6
Dividend Yield (%)	4.6	5.0	5.0	3.9	3.9
FCF per share	37.2	47.5	39.1	48.5	52.3
Return Ratios (%)					
RoE	14.8	18.1	11.3	10.0	9.8
RoCE	11.3	13.1	9.7	10.1	10.0
RoIC	14.1	17.6	11.8	13.3	15.4
Working Capital Ratios					
Fixed Asset Turnover (x)	1.3	1.0	1.0	0.9	0.8
Asset Turnover (x)	1.4	1.2	1.2	1.0	1.0
Inventory (Days)	24	30	32	31	31
Debtor (Days)	11	12	13	13	13
Creditor (Days)	54	72	72	71	71
Leverage Ratio (x)					
Current Ratio	1.2	1.1	1.1	1.1	1.2
Interest Cover Ratio	6.7	5.5	3.7	4.9	5.9
Net Debt/Equity	0.5	0.3	0.4	0.3	0.1

Consolidated - Cash Flow Statement (INR b)

Y/E March	FY23	FY24	FY25	FY26E	FY27E
OP/(Loss) before Tax	447	736	524	547	561
Depreciation	246	304	352	452	468
Interest expense	79	130	145	111	88
(Inc)/Dec in WC	87	2	14	-81	-30
Others	157	-39	14	79	71
CF from Operating incl EO	861	988	909	973	1,021
(Inc)/Dec in FA	-384	-379	-407	-350	-350
Free Cash Flow	477	610	502	623	671
(Pur)/Sale of Investments	-28	-22	8	0	0
Others	-339	-174	-31	0	0
CF from Investments	-751	-575	-430	-350	-350
Issue of Shares	0	0	0	0	0
Inc/(Dec) in Debt	174	-112	-74	-307	-246
Dividend Paid	-176	-129	-170	-121	-120
Others	-136	-158	-231	-111	-88
CF from Fin. Activity	-138	-399	-474	-539	-454
Inc/Dec of Cash	-28	15	4	84	217
Opening Balance	54	26	41	46	130
Closing Balance	26	41	46	130	347

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.

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. MOFSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOSL) is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at <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.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).

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 alternations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

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

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

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai- 400 064. Tel No: 022 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-40548085.

Grievance Redressal Cell:

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

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDX); 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.