

Oil & Gas

Our latest O&G updates







India O&G: Value trade is fading away

- The average one-year fwd. P/E valuation for the 15 oil and gas stocks in our coverage is 13.5x now, up 35% vs. Jun'23. Barring a few stocks, which still have reasonable valuations, we believe the value trade has all but faded away for the Indian oil and gas sector.
- We now prefer HPCL over GAIL and Oil India (OINL), where we believe valuation comfort is lower and earnings delivery is critical. HPCL trades at FY26E P/B of 1.2x (FY26E RoE: 17.8%) vs. GAIL's 1.7x and OINL's 1.3x (FY26E RoE of 15%/16%).
- We highlight Gujarat Gas (GUJGA) as a potential beneficiary of the possible inclusion of natural gas under GST and believe that the impact for other oil and gas players will be marginal in the short term. GUJS's current market price implies a 45.3% holding company discount on GUJS's stake in GUJGA. However, the long-term average discount has been 28% while the maximum discount was 60%. We continue to highlight Gujarat State Petronet (GUJS) as an inexpensive way to take exposure to GUJGA.

OMCs, ONGC, GUJS are the only pockets of value remaining in O&G

- We see pockets of value in OMCs (HPCL>IOCL>BPCL), ONGC and GUJS. For ONGC, despite improving volume growth visibility, we believe the investment case is a tad more complicated today than it was a year ago, mainly due to risk of lower oil price in FY26 refer to our report titled "Oil price outlook: Has the crude oil party peaked?" However, at 5.1x one-year fwd. P/E, valuations are still at a 30% discount to long-term average and we believe the value catch-up trade still has legs to run.
- The one-year fwd. P/E for GAIL and OINL is now ~40% above the long-term average, ably supported by an improved operating outlook. However, we think the market may look for earnings delivery now and we see limited short-term re-rating for both stocks.
- We now prefer HPCL over GAIL and Oil India: We see strong ~25% volume growth (due to HRRL start-up), USD1.5-2/bbl margin expansion due to bottom upgrade project completion, and modest valuations as key catalysts. We also highlight GUJS, for which, assuming a 25% holding company discount, the estimated value of GUJS stake in GUJGA is INR301/share vs. CMP of INR302/share.

Natural gas under GST - short-term hype, long-term advantage

- As per media reports, the Union government is considering inclusion of natural gas under GST in the coming months. We believe GUJGA is the only clear nearterm beneficiary, while the impact for other oil and gas players will be staggered over the medium to long term.
- Natural gas attracts 5% value-added tax in Gujarat and competes with propane, which, besides being cheaper (and boasting 20-25% higher calorific value), attracts 18% GST (on which businesses can claim input tax credit). The inclusion of natural gas under GST increases its relative attractiveness vs. propane and could be an upside risk to our estimated 10-12% volume growth for FY25-26. The impact of natural gas inclusion under GST is marginal for most of the other oil and gas players in the short term, in our view.

For the CGD sector (barring GUJGA), we believe the benefits of natural gas inclusion under GST could be offset by the following factors: 1) the need to pass on "savings" to consumers as EBITDA margins/scm are already at a multi-year high; and 2) while CNG prices might correct, we see some risk of lower retail MS/HSD prices in 2HFY25/FY26.

Refining GRMs down 52% QoQ in 1QFY25'TD

- Refining has had a slow start in 1QFY25'TD, with SG GRM averaging USD3.5/bbl vs. 4QFY24 average of USD7.3/bbl. In 1QFY25'TD, diesel GRM has averaged USD17/bbl vs. 4QFY24 average of USD24.3/bbl. In contrast, gasoline GRM has remained healthy at USD14/bbl vs. 4QFY24 average of USD17.64/bbl.
- The recent weakness in GRMs might be attributable to weaker-than-expected global oil demand growth. Further, the middle distillate markets experienced a spring sell-off, causing the global refining margins to fall to nearly two-year lows.
- > The IEA expects refinery activity to pick up pace, with annual growth projected to increase by 690kb/d in CY24 and by 1.8mb/d in CY25. As such, we foresee a stronger refining GRM environment in 2HCY25.
- Meanwhile, the current gross marketing margins are INR10.2/lit for MS and INR4.8/lit for HSD. However, we estimate gross marketing margin of INR3.3/lit for both MS and HSD.
- As such, we believe OMCs/MRPL/RIL are on course to post weaker refining performance sequentially even as marketing business profitability for OMCs, currently, is marginally below the 4QFY24 level.

Petrochemicals stable but could rebound in 2HFY25

- HDPE and PP spreads over naphtha have averaged USD311/t and USD318/t in 1QFY25YTD, up 1.6% and 6.5% QoQ, respectively.
- Average HDPE price in 1QFY25YTD is USD996/t vs. 4QFY24 price of USD990/t, even as spot LNG price has risen by 15.8% QoQ to USD10.9/mmbtu in 1QFY25'TD.
- While key petchem spreads have largely remained flat QoQ, we believe the petchem segment is bottoming out as capacities globally are coming off sharply and the excess supply situation continues to ease. Refer to our report titled <u>"Can petrochemicals surprise in 2HFY26"</u>.

Our top picks are HPCL, ONGC and GUJS

- HPCL remains our preferred pick among the three OMCs. We model a marketing margin of INR3.3/lit for both MS and HSD in FY25-26E, while the current MS/HSD marketing margins are INR10.2 /lit and INR4.8/lit, respectively. We see the following as key catalysts for the stock: 1) demerger and potential listing of lubricant business, 2) the commissioning of its bottom upgrade unit, and 3) the start of its Rajasthan refinery in 4QFY25.
- > HPCL currently trades at 1.2x FY26E P/B, which we believe offers a reasonable margin of safety as we estimate FY26 ROE of 17.6%. We value the stock at 1.4x FY26E P/BV to arrive at our TP of INR400. **Reiterate BUY.**
- **ONGC** has guided for 6% production volume CAGR over the next three years, driven by rising production from 1) KG 98/2 asset, 2) Daman upside development, and 3) the monetization of stranded gas reserves. While volume guidance is upbeat, execution will be key, and should the management achieve guided volumes, we see upside risk to our and street earnings estimates.

> ONGC is trading at 2.7x FY26E EV/EBITDA (SA) and 6.8x FY26E P/E (SA). We value the company at 7x FY26E adj. EPS of INR34 and add the value of investments to arrive at our TP of INR340. We reiterate our BUY rating on the stock with a 26% potential upside.

■ GUJS: We expect volumes to jump to ~38.5mmscmd in FY26, as it is a beneficiary of: a) the upcoming LNG terminals in Gujarat, b) improved demand owing to the focus on reducing industrial pollution — Gujarat has five geographical areas identified as severely/critically polluted. Valuing the core business at 8x adj. FY26E EPS of INR10.4 and adding the value of investments, we arrive at our TP of INR385. We maintain our BUY rating on the stock with a 28% potential upside.

Exhibit 1: Valuation snapshot

Camanama. Dana		TP		EPS (INF	₹)		P/E (x)			P/BV (x)	EV	/EBITDA	(x)		ROE (%))
Company	Reco	(INR)	FY24	FY25E	FY26E	FY24	FY25E	FY26E	FY24	FY25E	FY26E	FY24	FY25E	FY26E	FY24	FY25E	FY26E
GUJS	Buy	385	22.8	11.6	12.1	13.2	25.9	24.9	1.7	1.6	1.5	11.0	16.6	15.9	13.1	6.3	6.2
HPCL	Buy	400	75.2	48.2	48.4	4.5	7.1	7.0	1.5	1.3	1.2	5.4	7.1	7.0	40.4	20.3	17.8
ONGC	Buy	340	46.3	52.8	57.4	5.8	5.1	4.7	1.0	0.9	0.8	3.9	3.2	2.6	18.8	18.3	17.5

Source: Company, MOFSL

Exhibit 2: Current holding company discount of GUJS's stake in GUJGA (45.3%) is 17.5% above the long term average discount

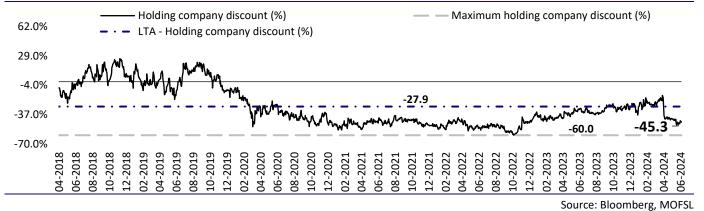
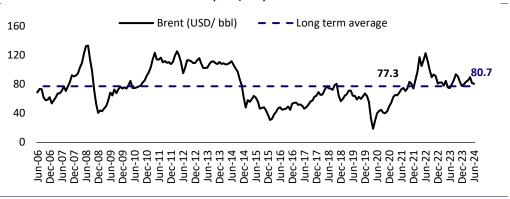
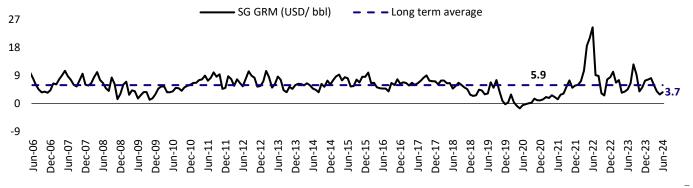


Exhibit 3: Brent crude historical trend (USD/bbl)



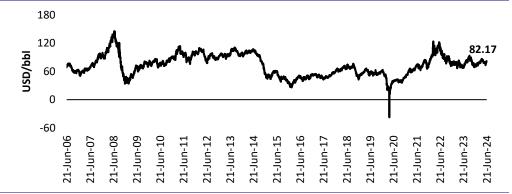
Source: Reuters, MOFSL

Exhibit 4: SG GRM historical trend (USD/bbl)



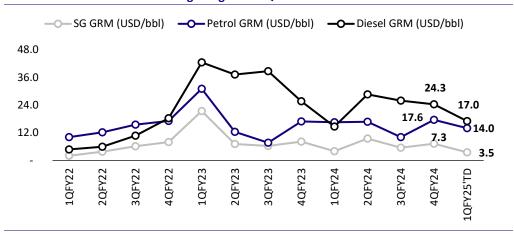
Source: Reuters, MOFSL

Exhibit 5: Exhibit 3: WTI historical price trend (USD/bbl)



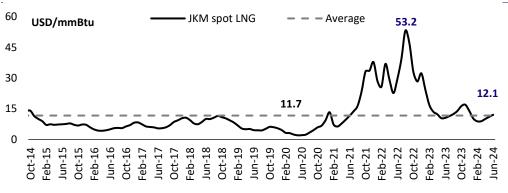
Source: Bloomberg, MOFSL

Exhibit 6: Exhibit 5: Weak refining margins in 1QFY25'TD



Source: Reuters & Bloomberg, MOFSL

Exhibit 7: Spot LNG historical price (USD/mmbtu)



Source: Reuters, MOFSL

Exhibit 8: Various product cracks, except gasoline, have improved recently (USD/bbl)

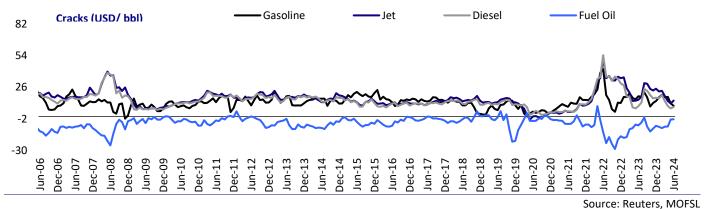
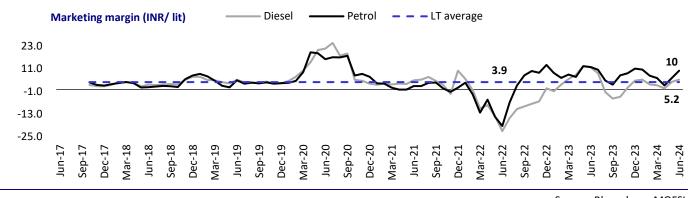
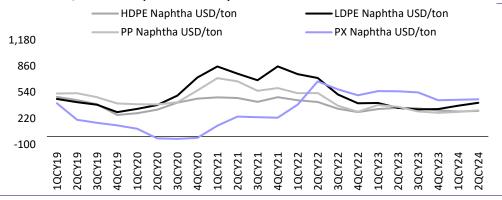


Exhibit 9: Marketing margin has increased for both petrol and diesel in May'24-end and Jun'24TD



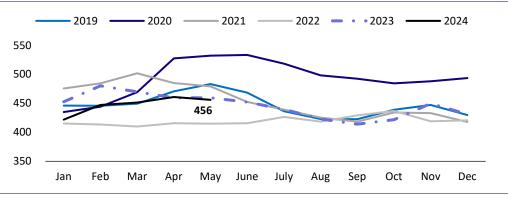
Source: Bloomberg, MOFSL

Exhibit 10: PE, PP and PX spreads over Naphtha



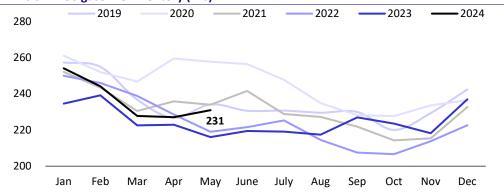
Source: Bloomberg, MOFSL

Exhibit 11: US crude inventory (mb)



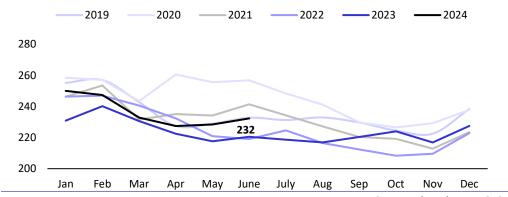
Source: Bloomberg, MOFSL

Exhibit 12: US gasoline inventory (mb)



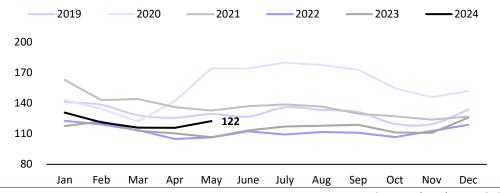
Source: Bloomberg, MOFSL

Exhibit 13: US motor gasoline inventory (mb)



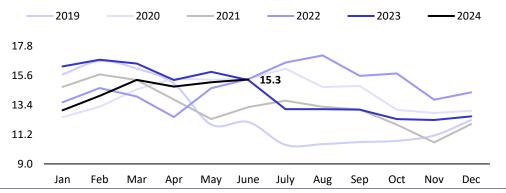
Source: Bloomberg, MOFSL

Exhibit 14: US gasoil inventory (mb)



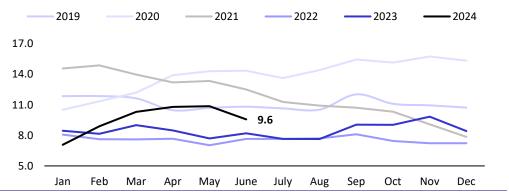
Source: Bloomberg, MOFSL

Exhibit 15: Singapore light distillate inventory (mb)



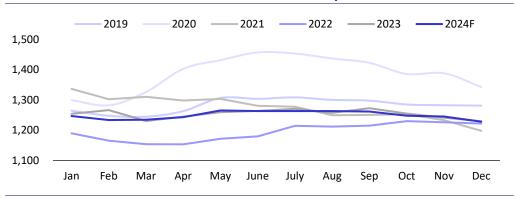
Source: Bloomberg, MOFSL

Exhibit 16: Singapore middle distillate inventory (mb)



Source: Bloomberg, MOFSL

Exhibit 17: OECD and US Commercial Crude oil and other liquid inventories



Source: Bloomberg, MOFSL

Exhibit 18: O&G sector 1 year forward PE trades at 11% premium...

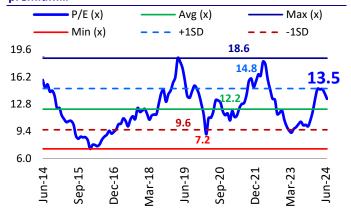
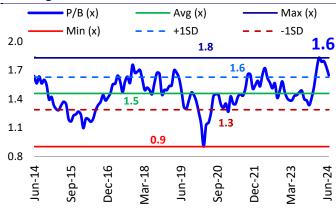


Exhibit 19: ...while on P/B trades at 13% premium to the long-term avg.



Source: Company, MOFSL

Source: Company, MOFSL

Exhibit 20: GUJS 1-year forward PE trades at 75% premium...

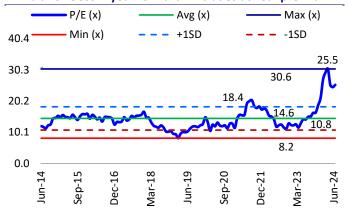
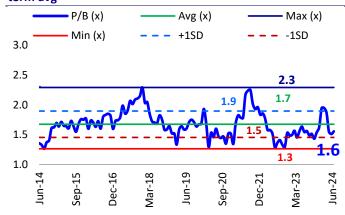


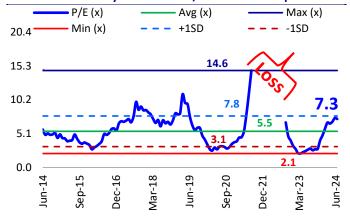
Exhibit 21: ...while on P/B trades at 7% discount to the long-term avg



Source: Company, MOFSL

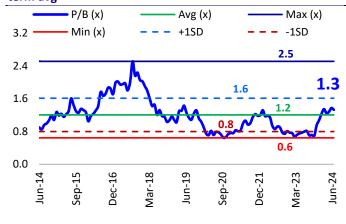
Source: Company, MOFSL

Exhibit 22: HPCL 1-year forward P/E trades at 34% premium...



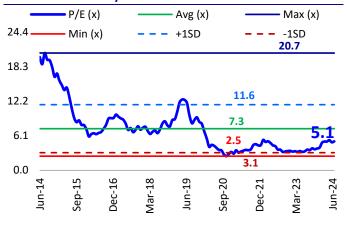
Source: Company, MOFSL

Exhibit 23: ...while on P/B trades at 10% premium to long-term avg



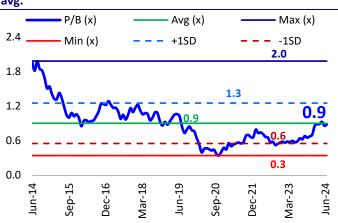
Source: Company, MOFSL

Exhibit 24: ONGC 1 year forward PE trades at 30% discount...



Source: Company, MOFSL

Exhibit 25: ...while on P/B trades at par with the long-term



Source: Company, MOFSL

HPCL: Financial summary and assumptions – BUY (TP: INR400)

Exhibit 26: Key assumptions

Particulars	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Exchange Rate (INR/USD)	70.0	70.9	74.3	74.5	80.4	82.9	84.6	86.0
Brent Crude (USD/bbl)	70.1	61.2	44.4	80.5	96.1	83.4	85.0	85.0
Market Sales (MMT)	38.7	39.6	36.6	39.1	43.5	46.8	48.7	50.6
YoY (%)	5	2	(8)	7	11	8	4	4
GRM (USD/bbl)	5.0	1.0	3.9	7.2	12.1	9.1	8.0	8.0
Singapore GRM (USD/bbl)	4.9	3.2	0.5	5.0	10.7	6.6	6.0	6.0
Prem/(disc) (USD/bbl)	0	(2)	3	2	1	2	2.0	2.0
Total Refinery throughput (MMT)	18.4	17.2	16.4	14.0	19.1	22.3	24.5	24.5
YoY (%)	1%	-7%	-4%	-15%	37%	17%	10%	0%
Refining capacity utilization (%)	117%	109%	104%	88%	85%	91%	100%	100%
Blended marketing margin incld inventory (INR/lit)	4.3	4.0	6.3	4.3	(0.8)	5.4	4.5	4.5
Consolidated EPS	31.4	17.1	50.1	34.3	-32.8	75.2	48.2	48.4

Source: Company, MOFSL

Exhibit 27: Financial summary (INR b)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Sales	2,755	2,691	2,332	3,499	4,407	4,339	4,232	4,364
EBITDA	115	57	160	102	-72	249	189	195
Adj. PAT	67	36	107	73	-70	160	103	103
Adj. EPS (INR)	31	17	50	34	-33	75	48	48
EPS Gr. (%)	-7	-46	193	-32	PL	LP	-36	0
BV/Sh.(INR)	143	146	179	195	152	220	255	290
Ratios								
Net D:E	0.8	1.3	1.1	1.1	2.1	1.3	1.1	1.0
RoE (%)	23.9	11.9	30.9	18.4	-19.0	40.4	20.3	17.8
RoCE (%)	12.9	12.0	14.9	8.3	-7.8	15.9	9.2	8.5
Payout (%)	43.0	76.0	30.3	27.2	0.0	27.9	27.6	28.2
Valuations								
P/E (x)	10.8	19.9	6.8	9.9	-10.4	4.5	7.1	7.0
P/BV (x)	2.4	2.3	1.9	1.8	2.2	1.5	1.3	1.2
EV/EBITDA (x)	8.5	19.7	7.2	11.5	-19.3	5.4	7.1	7.0
Div. Yield (%)	3.1	1.9	4.4	2.7	0.0	6.2	3.9	4.0
FCF Yield (%)	-3.7	-11.5	8.6	5.2	-17.7	19.2	7.2	7.0

Source: Company, MOFSL

ONGC – Financial summary and assumptions – BUY (TP: INR340)

Exhibit 28: Key assumptions

Particulars	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Exchange Rate (INR/USD)	70.0	70.9	74.3	74.5	80.4	82.8	83.9	85.0
APM Gas Price (USD/mmBtu)	3.5	3.8	2.3	2.6	7.3	6.6	6.5	7.0
Brent crude price (USD/bbl)	70.1	61.2	44.4	80.5	96.1	83.0	85.0	85.0
Production Details (mmtoe)								
Domestic Oil Production (mmt)	24.2	23.4	22.5	21.7	21.5	21.1	22.4	23.3
Domestic Gas Production (bcm)	25.8	24.9	22.8	21.7	21.4	20.6	22.6	24.6
Domestic Production (mmtoe)	50.0	48.3	45.3	43.4	42.8	41.8	45.0	47.9
OVL Production (mmtoe)	14.8	14.7	13.0	12.3	9.8	10.5	11.8	11.8
Group Production (mmtoe)	64.9	62.9	58.4	55.7	52.6	52.3	56.8	59.7
Oil Price Realization (USD/bbl)								
Gross	68.9	58.8	42.8	76.4	92.1	80.8	85.0	85.0
Windfall tax	0.0	0.0	0.0	0.0	13.0	10.4	12.0	12.0
Net (post windfall)	68.9	58.8	42.8	76.4	79.0	70.4	73.0	73.0
Consolidated EPS	27.7	13.3	16.5	32.9	32.0	46.3	52.8	57.4

Source: Company, MOFSL

Exhibit 29: Financial summary (INR b)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Sales	4,536.8	4,249.6	3,605.7	5,317.6	6,848.3	6,430.4	6,613.7	6,871.2
EBITDA	840.4	611.3	566.0	857.7	857.1	1,086.5	1,186.9	1,262.8
Adj. PAT	348.8	167.3	207.0	413.6	402.4	583.0	664.0	722.6
Adj. EPS (INR)	27.7	13.3	16.5	32.9	32.0	46.3	52.8	57.4
EPS Gr. (%)	37.3	-52.1	23.8	99.8	-2.7	44.9	13.9	8.8
BV/Sh.(INR)	167.9	159.8	172.2	202.2	220.3	262.7	301.3	342.1
Ratios								
Net D:E	0.4	0.5	0.5	0.4	0.4	0.2	0.1	0.0
RoE (%)	16.7	8.0	9.7	17.2	14.8	18.8	18.3	17.5
RoCE (%)	11.3	6.4	7.3	15.7	11.9	14.6	15.2	15.4
Payout (%)	31.3	77.7	21.6	27.3	42.4	27.5	25.3	27.6
Valuations								
P/E (x)	9.7	20.3	16.4	8.2	8.4	5.8	5.1	4.7
P/BV (x)	1.6	1.7	1.6	1.3	1.2	1.0	0.9	0.8
EV/EBITDA (x)	5.3	7.2	7.9	5.2	5.2	3.9	3.2	2.6
Div. Yield (%)	2.5	2.1	1.3	3.9	4.2	4.5	4.9	5.8
FCF Yield (%)	10.3	8.3	4.4	13.0	13.8	17.8	21.4	23.5

Source: Company, MOFSL

GUJS- Financial summary and assumptions - Buy (TP: INR385)

Exhibit 30: Financial summary (INR b)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24	FY25E	FY26E
Sales	18.8	19.4	17.2	16.6	15.3	17.6	12.8	13.5
EBITDA	15.4	15.7	14.7	14.0	12.6	15.0	9.8	10.3
PAT	7.9	11.1	9.3	9.8	9.4	12.8	6.6	6.8
EPS (INR)	14.1	19.7	16.4	17.4	16.8	22.8	11.6	12.1
EPS Gr. (%)	18.9	39.5	-16.5	5.7	-3.5	35.9	-48.9	4.1
BV/Sh.(INR)	101.8	119.2	133.8	149.7	164.4	182.1	190.3	198.7
Ratios								
Net D:E	0.2	0.1	0.1	0.0	-0.1	0.0	-0.1	-0.1
RoE (%)	14.7	17.8	13.0	12.2	10.7	13.1	6.3	6.2
RoCE (%)	13.6	17.5	12.8	11.9	10.7	13.2	6.3	6.3
Payout (%)	16.1	10.2	12.2	11.5	29.8	21.9	30.0	30.0
Valuations								
P/E (x)	21.4	15.3	18.4	17.4	18.0	13.2	25.9	24.9
P/BV (x)	3.0	2.5	2.3	2.0	1.8	1.7	1.6	1.5
EV/EBITDA (x)	11.8	11.1	12.0	12.2	13.0	11.0	16.6	15.9
Div. Yield (%)	0.7	0.7	0.7	0.7	1.7	1.7	1.2	1.2
FCF Yield (%)	5.2	7.4	6.6	5.8	4.6	4.4	1.7	0.2

Source: Company, MOFSL

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

service transactions. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at

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%200f%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

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 Motifal Oswal Securities (SEBI Reg. No. INH00000412) 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.

24 June 2024

Nainesh Rajani Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

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

- 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
- 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

MOTILAL OSWAL Oil & Gas

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.

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 ld: na@motilaloswal.com, Contact No.:022-40548085

Grievance Redressal Cell

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

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; Research Analyst: INH000000412 . AMFI: ARN .: 146822. IRDA Corporate Agent - CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.

24 June 2024 14