

Our latest research on Oil & Gas

Positioning for global recovery

CGDs to record 10% volumes
CAGR over the next decade

OPEC+ steps up patrolling as demand continues to defy

- At the last meeting of this historic year, OPEC+ decided to increase monitoring to balance the struggling global oil market.
- The group has decided on additional voluntary cuts of a mere 0.5mbopd to 7.2mbopd, starting Jan'21, against the scheduled cut of 2mbopd to 5.7mbopd.
- This is the second time when OPEC+ has agreed on lower cuts than schedule as further extensions and impositions of lockdowns in various countries has aggravated the demand-supply mismatch.
- The group has agreed to hold monthly meetings, starting Jan'21, to assess market conditions and decide on production adjustments for the following month, which would be no more than 0.5mbopd.
- The recent move by OPEC+ would lead to more rigorous control over the global crude oil market until a better balance is struck between demand and supply. This system would also answer the huge inventory buildup that is yet to be consumed, as well as increase in production from US Shale (with breakeven ~USD48-54/bbl).
- The move would result in a more stable crude oil prices, with room for both extending as well as easing of cuts. In line with the same, we keep our crude oil prices unchanged at USD50/bbl for FY22-23E.
- We believe that increasingly positive news related to the COVID-19 vaccine is expected to soon boost global economic recovery. Our analysis suggests a rise of USD5/bbl in Brent would raise FY22E EBITDA for ONGC (SA)/OINL by 12%/20%.

Forecasts continue to face downgrades...

- Crude oil demand fell as much as 17mnbopd in 2QCY20 (the highest ever in the history of oil markets), resulting in prices hitting historic lows (Brent touching a low of ~USD11/bbl, with WTI even trading in negative territory).
- Post the recent extension of production cuts, Brent prices crossed USD49/bbl – the highest since the imposition of lockdown in the first week of Mar'20.
- Having said that, the likelihood of continued mismatch in global crude oil demand-supply balance would keep prices in check for another year at least.
- As per OPEC, global oil demand is likely to contract ~9.8mnbopd in 2020 (to 89.9mnbopd) and grow ~6.2mnbopd in 2021 (to 96.3mnbopd). However, the forecasted growth in 2021 rules out demand normalizing around pre-COVID levels of 99.8mnbopd (in 2019).
- OPEC has lowered its current oil demand growth estimate by 0.8-0.9mnbopd in the last three months for both 2020-21, despite OPEC+ functioning at 100% (OPEC at 103%) production cut compliance - as driving season in the West and festive season in Southeast Asia failed to answer concerns over demand.
- As per IMF, the current estimates for global GDP growth is -4.4% in 2020, up from -4.9%; and +5.2% in 2021, but down from +5.4% in its previous forecast.

...however, various near-term positives for demand are:

- Given the recent positive developments around COVID vaccines globally, we expect the contraction and downside in oil demand to be limited in 2021.
- Transportation and tourism sectors are anticipated to be the most affected by COVID-19 in 2020. With sentiment turning, given the optimism of a vaccine, it would grow end-consumer confidence and thus demand in these sectors.
- Growth in oil demand is likely to be further supported by normalization of production in the petrochemical industry and improving momentum in the other industrial sectors (already being reflected in the PMI of various countries).

Research Analyst: Swarnendu Bhushan (Swarnendu.Bhushan@MotilalOswal.com)

Sarfraz Bhimani - Research Analyst (Sarfraz.Bhimani@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.

Valuation and recommendation

■ ONGC – developments on new fields remain key

- Despite the delay, ONGC is expected to grow its gas production in FY22, with efforts to arrest the decline in oil production from age-old fields (accounting for 60–70% of total oil production).
- In FY20, ONGC made 12 discoveries (seven onshore, five offshore); of which seven are prospects (three onshore, four offshore) and five are pools (four onshore, one offshore). The management has notified seven new discoveries (four pools and three prospects) in FY21 so far.
- We model in flattish oil production for the next two years, while building in gas production growth of ~10mmscmd over the next two years (FY22-23E).
- The company is likely to generate FCF of INR380b (translating to a FCF yield of ~33%), with a dividend yield of ~3-5% in FY21-23E.
- ONGC trades at 3.0x FY23E EV/EBITDA and 4.0x FY23E EPS. We value the company at 10x Sep'22E adjusted EPS of INR7.9 and add value of investments to arrive at a target price of INR105 (up from INR90, post rationalizing various cost structures). Reiterate Buy.

■ OINL – concerns over production declines continue

- We expect no incremental change in near term production volumes for oil and gas. The company intends to add gas production of ~5mmscmd from 2024-25 (to the current 7.5mmscmd), while arresting the decline in oil production.
- Our model has built in an oil production decline of 3% YoY (~3mmt) and flat gas production (~2.7bcm) in FY21E, with ~2% per year increase in oil (3.1mmt) and gas (2.9bcm) production in FY23E.
- Dividend yield is attractive at 7-8% for FY22-23E. The stock trades at 5.7x FY23E EPS of INR18.7. We use SoTP-based fair value of 8x Sep'22E adjusted EPS of INR14.6 and add investments to arrive at our target price of INR125 (up from INR105, post rationalizing various cost structures). Maintain Buy.

Exhibit 1: Oil and gas coverage valuation snapshot

| Company | TP (INR) | (% Upside) | EPS (INR) | | | | P/E (x) | | | P/BV (x) | | | EV/EBITDA (x) | | | RoE (%) | | | Div. yield |
|---------|-------------|---------------|-----------|-------|-------|------|---------|-------|-------|----------|-------|-------|---------------|-------|-------|---------|-------|-------|---------------|
| | | | FY20 | FY21E | FY22E | | FY20 | FY21E | FY22E | FY20 | FY21E | FY22E | FY20 | FY21E | FY22E | FY20 | FY21E | FY22E | |
| AGIS | 251 | 0 | 3.0 | 6.8 | 12.1 | 84.5 | 37.0 | 20.8 | 5.1 | 4.6 | 3.9 | 30.2 | 19.4 | 12.0 | 6.5 | 13.1 | 20.4 | 0.7 | |
| BPCL | 414 | 6 | 25.3 | 37.9 | 34.8 | 15.5 | 10.3 | 11.3 | 2.1 | 1.9 | 1.7 | 13.2 | 8.4 | 8.8 | 13.2 | 19.3 | 15.9 | 4.2 | |
| GAIL | 153 | 28 | 16.5 | 8.3 | 15.3 | 7.3 | 14.4 | 7.8 | 1.1 | 1.1 | 1.0 | 7.3 | 11.8 | 6.4 | 15.0 | 8.3 | 14.2 | 5.3 | |
| GUIGA | 440 | 27 | 17.3 | 15.9 | 17.6 | 20.1 | 21.8 | 19.8 | 7.3 | 5.8 | 4.7 | 15.2 | 13.1 | 11.7 | 43.6 | 29.4 | 26.1 | 0.4 | |
| GUJS | 300 | 36 | 19.7 | 16.8 | 17.8 | 11.2 | 13.1 | 12.4 | 1.9 | 1.7 | 1.5 | 5.5 | 5.2 | 4.5 | 17.8 | 13.3 | 12.6 | 0.9 | |
| HPCL | 308 | 42 | 23.9 | 44.5 | 38.2 | 9.1 | 4.9 | 5.7 | 1.1 | 1.0 | 0.9 | 10.3 | 5.0 | 6.7 | 11.9 | 21.1 | 17.1 | 4.5 | |
| IOCL | 148 | 64 | 10.3 | 15.2 | 17.4 | 8.8 | 6.0 | 5.2 | 0.9 | 0.8 | 0.8 | 10.1 | 5.7 | 4.7 | 9.1 | 14.1 | 15.1 | 4.7 | |
| IGL | 485 | 1 | 16.2 | 12.9 | 17.0 | 29.5 | 37.2 | 28.1 | 6.6 | 5.8 | 5.0 | 20.9 | 24.5 | 18.5 | 28.3 | 16.6 | 19.0 | 0.6 | |
| MAHGL | 1,100 | 6 | 80.3 | 52.9 | 68.3 | 12.9 | 19.6 | 15.2 | 3.5 | 3.2 | 2.9 | 8.5 | 11.6 | 8.8 | 29.7 | 17.0 | 20.1 | 3.4 | |
| MRPL | 30 | -9 | -15.4 | -2.2 | 4.6 | NM | NM | 7.2 | 0.7 | 0.8 | 0.7 | NM | 25.3 | 5.1 | -29.2 | -5.2 | 10.4 | 0.0 | |
| OINL | 125 | 17 | 22.9 | 6.3 | 15.5 | 4.7 | 16.9 | 6.9 | 0.5 | 0.5 | 0.5 | 3.9 | 10.2 | 6.5 | 9.9 | 2.0 | 7.0 | 9.9 | |
| ONGC | 105 | 17 | 13.1 | 9.7 | 17.8 | 6.9 | 9.3 | 5.0 | 0.6 | 0.5 | 0.5 | 3.5 | 5.3 | 3.7 | 7.9 | 5.9 | 10.2 | 5.6 | |
| PLNG | 335 | 28 | 18.5 | 18.5 | 21.3 | 14.2 | 14.2 | 12.3 | 3.6 | 3.3 | 3.1 | 8.4 | 7.2 | 6.1 | 26.4 | 24.4 | 26.0 | 4.8 | |
| RIL | 2,240 | 15 | 66.8 | 64.8 | 105.1 | 29.1 | 30.0 | 18.5 | 2.8 | 2.5 | 2.2 | 17.1 | 15.7 | 9.9 | 10.2 | 8.7 | 12.6 | 0.3 | |

Please find the link to our recent report, titled: '[Positioning for global recovery](#)', where we highlight sensitivity analysis for our coverage

Source: MOFSL

Exhibit 2: OPEC+ production cut quotas – 2H2020 v/s Jan'21 (data in mnbpod)**Jan'21 cuts allow Saudi Arabia and Russia to increase production by 126kbpd each, with others taking a total cut of 230kbpd**

| OPEC | Ref level | Aug-Dec cuts | Aug-Dec quota | Oct compliance | Jan cut | Jan quota | Change in quota |
|-----------------------|--------------|--------------|---------------|----------------|-------------|--------------|-----------------|
| Algeria | 1.06 | 0.19 | 0.86 | 102% | 0.18 | 0.88 | 0.01 |
| Angola | 1.53 | 0.28 | 1.25 | 110% | 0.26 | 1.27 | 0.02 |
| Rep. of Congo | 0.33 | 0.06 | 0.27 | 93% | 0.06 | 0.27 | 0.00 |
| Equatorial Guinea | 0.13 | 0.02 | 0.10 | 74% | 0.02 | 0.11 | 0.00 |
| Gabon | 0.19 | 0.03 | 0.15 | -9% | 0.03 | 0.16 | 0.00 |
| Iraq | 4.65 | 0.85 | 3.80 | 102% | 0.80 | 3.86 | 0.05 |
| Kuwait | 2.81 | 0.51 | 2.30 | 101% | 0.48 | 2.33 | 0.03 |
| Nigeria | 1.83 | 0.33 | 1.50 | 90% | 0.31 | 1.52 | 0.02 |
| Saudi Arabia | 11.00 | 2.01 | 8.99 | 100% | 1.88 | 9.12 | 0.13 |
| UAE | 3.17 | 0.59 | 2.59 | 129% | 0.54 | 2.63 | 0.04 |
| Total OPEC | 26.68 | 4.88 | 21.82 | 103% | 4.56 | 22.12 | 0.30 |
| Non-OPEC | | | | | | | |
| Azerbaijan | 0.72 | 0.13 | 0.59 | 98% | 0.12 | 0.60 | 0.01 |
| Bahrain | 0.21 | 0.04 | 0.17 | 95% | 0.04 | 0.17 | 0.00 |
| Brunei | 0.10 | 0.02 | 0.08 | 116% | 0.02 | 0.09 | 0.00 |
| Kazakhstan | 1.71 | 0.31 | 1.40 | 99% | 0.29 | 1.42 | 0.02 |
| Malaysia | 0.60 | 0.11 | 0.49 | 133% | 0.10 | 0.49 | 0.01 |
| Oman | 0.88 | 0.16 | 0.72 | 95% | 0.15 | 0.73 | 0.01 |
| Russia | 11.00 | 2.01 | 8.99 | 94% | 1.88 | 9.12 | 0.13 |
| Sudan | 0.08 | 0.01 | 0.06 | 107% | 0.01 | 0.06 | 0.00 |
| South Sudan | 0.13 | 0.02 | 0.11 | -47% | 0.02 | 0.11 | 0.00 |
| Total non-OPEC | 15.42 | 2.81 | 12.60 | 96% | 2.64 | 12.78 | 0.18 |
| Total OPEC+ | 42.10 | 7.69 | 34.42 | 100% | 7.20 | 34.90 | 0.48 |

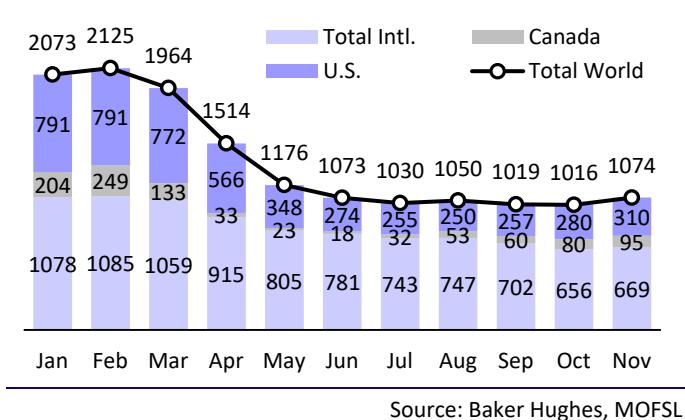
Iran, Libya and Venezuela are exempt from OPEC cuts | Source: OPEC, S&P Platts, MOFSL

Exhibit 3: OPEC's estimate for growth in global oil demand in 2020-21

| World oil demand | 2019 | 1Q2020 | 2Q2020 | 3Q2020 | 4Q2020 | 2020 | Growth | % | 2021 | Growth | % |
|------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------|-----------|
| Americas | 25.7 | 24.3 | 20.0 | 23.5 | 24.3 | 23.0 | -2.7 | -10% | 24.69 | 1.7 | 7% |
| of which US | 20.9 | 19.7 | 16.4 | 19.3 | 20.0 | 18.8 | -2.0 | -10% | 20.18 | 1.3 | 7% |
| Europe | 14.3 | 13.4 | 11.0 | 12.9 | 12.2 | 12.4 | -1.9 | -13% | 13.25 | 0.9 | 7% |
| Asia Pacific | 7.8 | 7.8 | 6.5 | 6.5 | 7.3 | 7.0 | -0.8 | -10% | 7.44 | 0.4 | 6% |
| Total OECD | 47.7 | 45.4 | 37.6 | 42.9 | 43.9 | 42.4 | -5.3 | -11% | 45.38 | 2.9 | 7% |
| China | 13.3 | 10.7 | 12.9 | 13.0 | 13.6 | 12.5 | -0.8 | -6% | 13.81 | 1.3 | 10% |
| India | 4.8 | 4.8 | 3.5 | 3.6 | 4.3 | 4.0 | -0.8 | -16% | 4.61 | 0.6 | 14% |
| Other Asia | 9.0 | 8.2 | 7.8 | 8.3 | 8.7 | 8.3 | -0.7 | -8% | 8.73 | 0.5 | 6% |
| Latin America | 6.6 | 6.1 | 5.6 | 6.2 | 6.1 | 6.0 | -0.6 | -9% | 6.29 | 0.3 | 5% |
| Middle East | 8.2 | 7.9 | 6.9 | 7.9 | 7.5 | 7.6 | -0.6 | -8% | 7.91 | 0.4 | 5% |
| Africa | 4.5 | 4.4 | 3.8 | 4.0 | 4.2 | 4.1 | -0.3 | -7% | 4.24 | 0.1 | 3% |
| Eurasia | 5.6 | 5.2 | 4.6 | 4.9 | 5.1 | 4.9 | -0.7 | -12% | 5.28 | 0.3 | 7% |
| of which Russia | 3.6 | 3.4 | 3.0 | 3.2 | 3.2 | 3.2 | -0.4 | -11% | 3.42 | 0.2 | 6% |
| of which other Eurasia | 2.0 | 1.8 | 1.5 | 1.7 | 1.9 | 1.7 | -0.3 | -15% | 1.85 | 0.1 | 8% |
| Total non-OECD | 52.0 | 47.3 | 45.0 | 47.7 | 49.7 | 47.5 | -4.5 | -9% | 50.9 | 3.4 | 7% |
| Total World | 99.8 | 92.7 | 82.6 | 90.6 | 93.6 | 89.9 | -9.8 | -10% | 96.3 | 6.2 | 7% |

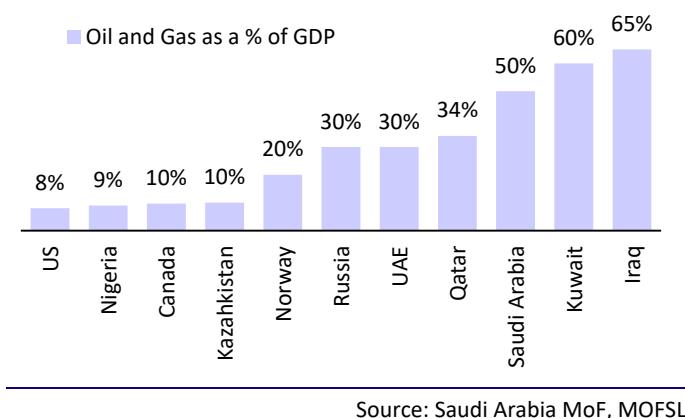
Source: OPEC, MOFSL

Exhibit 4: Global rig count still at ~50% of Jan'20 levels...



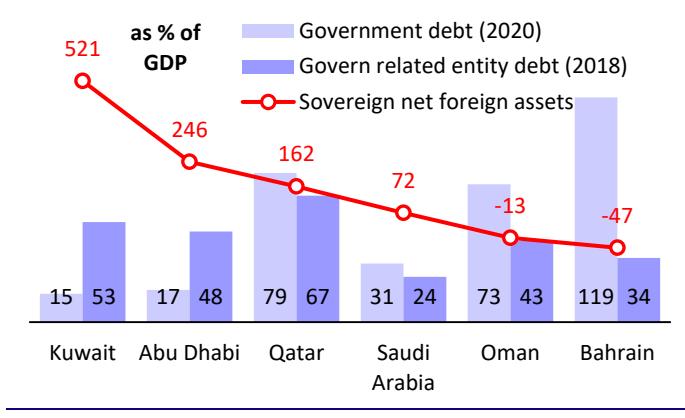
Source: Baker Hughes, MOFSL

Exhibit 6: O&G constitutes a higher share (%) in the GDP of GCC countries...



Source: Saudi Arabia MoF, MOFSL

Exhibit 8: GCC countries – public sector balance sheet



Source: Fitch Ratings, MOFSL

Exhibit 5: ...with US rig count jumping ~10% in both Oct'20 and Nov'20. The table below is US breakeven oil prices:

| US play – breakeven prices (USD/bbl) | Average |
|--------------------------------------|---------|
| Permian Basin – Midland | 48 |
| Other US (Shale) | 49 |
| Permian Basin – Delaware | 49 |
| Other US (non-Shale) | 49 |
| Eagle Ford | 51 |
| Oklahoma – SCOOP/STACK | 53 |
| Permian Basin – Other | 54 |

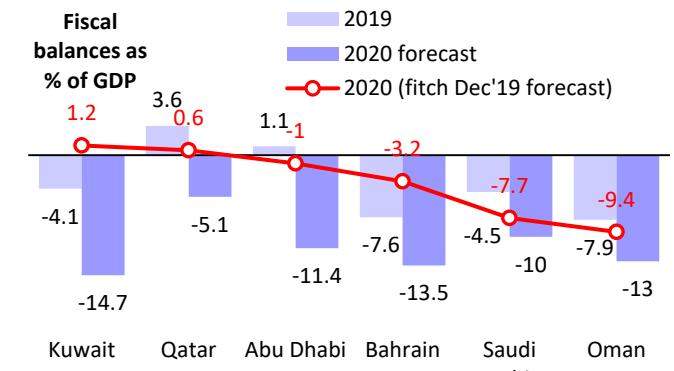
Source: Dallas Fed Energy Survey, EIA, MOFSL

Exhibit 7: ...thus, the budget breakeven crude oil prices for GCC nations is higher

| Country | Breakeven oil price |
|--------------|---------------------|
| Nigeria | 144 |
| Bahrain | 96 |
| Saudi Arabia | 91 |
| Oman | 82 |
| Kuwait | 68 |
| Abu Dhabi | 65 |
| Qatar | 55 |

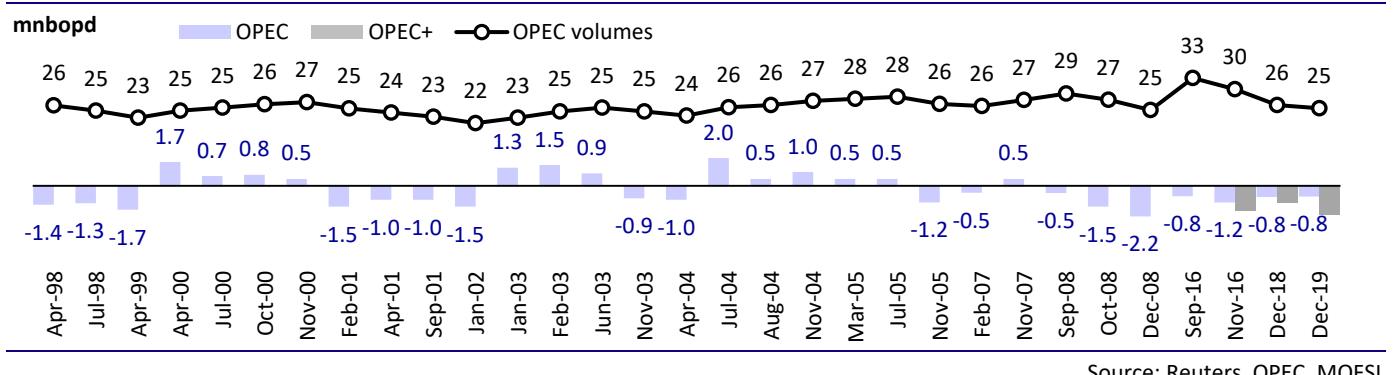
Source: Fitch Ratings, MOFSL

Exhibit 9: GCC countries – fiscal balances



Source: Fitch Ratings, MOFSL

Exhibit 10: OPEC adjustments to production changes, excluding the unprecedented cuts announced recently



Source: Reuters, OPEC, MOFSL

Exhibit 11: Long-term price average stands ~USD55/bbl

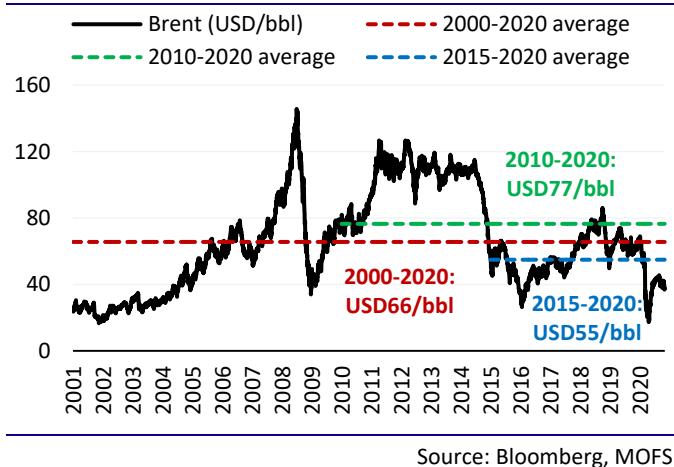


Exhibit 12: Indexation price chart – past crude oil crises

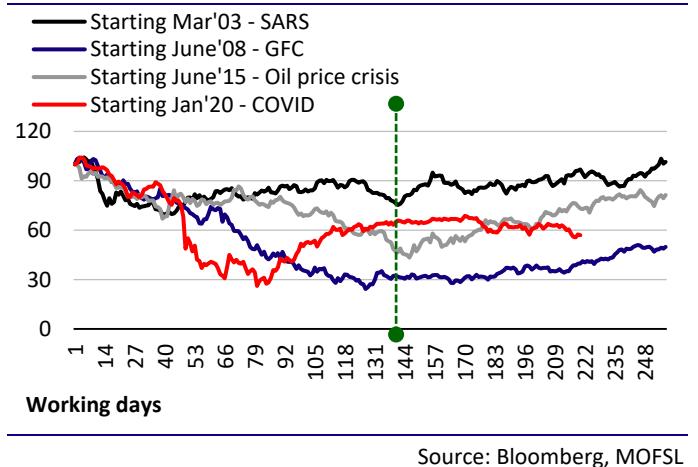


Exhibit 13: Oil price chart – annotation highlighting major events

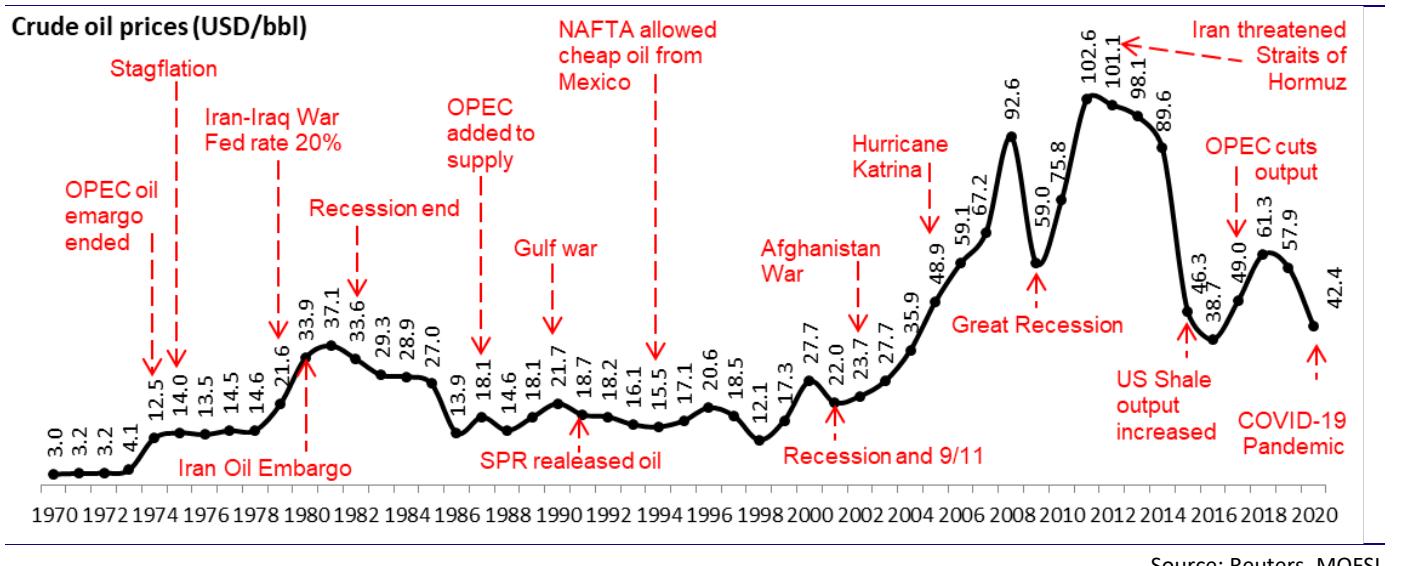
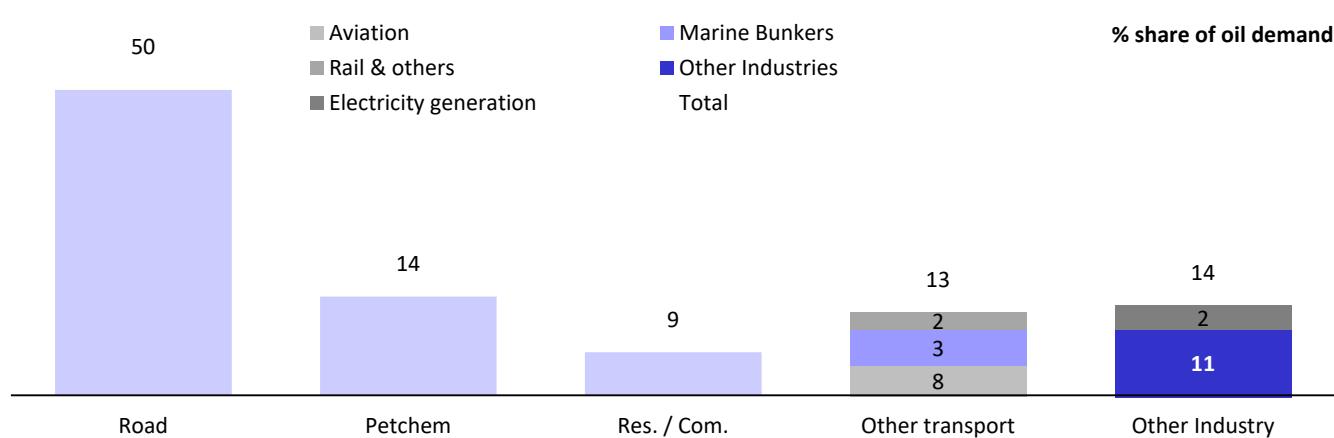


Exhibit 14: Transportation constitutes over 60% of oil demand



ONGC – financial summary and assumptions (TP: INR105)

Exhibit 15: Key assumptions

| Year-end: March 31 (INR m) | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E | FY23E |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Exchange rate (INR/USD) | 65.5 | 67.1 | 64.5 | 70.0 | 70.9 | 74.6 | 75.3 | 75.3 |
| APM gas price (USD/mmbtu) | 4.7 | 3.1 | 3.0 | 3.5 | 3.8 | 2.3 | 2.4 | 3.0 |
| Brent crude price (USD/bbl) | 47.6 | 48.6 | 57.6 | 70.1 | 61.2 | 40.6 | 50.0 | 50.0 |
| Production details (mmtoe) | | | | | | | | |
| Domestic oil production (mmt) | 25.9 | 25.5 | 26.2 | 24.2 | 23.4 | 23.3 | 24.0 | 24.0 |
| Domestic gas production (bcm) | 22.5 | 23.3 | 25.6 | 25.8 | 24.9 | 24.8 | 30.8 | 34.8 |
| Domestic production (mmtoe) | 48.5 | 48.8 | 51.8 | 50.0 | 48.3 | 48.2 | 54.8 | 58.8 |
| OVL production (mmtoe) | 8.9 | 12.8 | 14.2 | 14.8 | 14.7 | 13.6 | 14.5 | 14.5 |
| Group production (mmtoe) | 57.4 | 61.6 | 66.0 | 64.9 | 62.9 | 61.7 | 69.3 | 73.3 |
| Subsidy sharing (INR b) | | | | | | | | |
| ONGC subsidy | 17 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Oil price realization (USD/bbl) | | | | | | | | |
| Gross | 48.6 | 50.2 | 57.4 | 68.9 | 58.8 | 40.0 | 50.0 | 50.0 |
| Upstream discount | 1.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| Net | 46.8 | 50.2 | 57.4 | 68.9 | 58.8 | 40.0 | 50.0 | 50.0 |

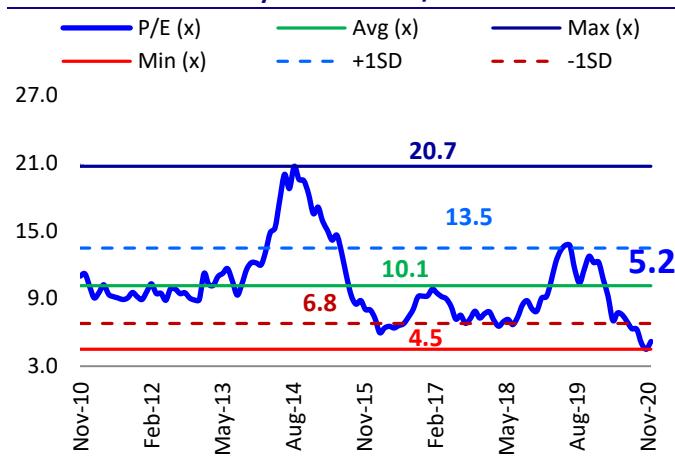
Source: Company, MOFSL

Exhibit 16: Key assumptions

| Y/E March | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E | FY23E |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sales | 1,357 | 3,257 | 3,622 | 4,537 | 4,250 | 3,016 | 3,911 | 4,017 |
| EBITDA | 452 | 580 | 644 | 840 | 612 | 437 | 593 | 632 |
| Adj. PAT | 174 | 288 | 259 | 349 | 168 | 128 | 246 | 288 |
| Adj. EPS (INR) | 13.6 | 22.4 | 20.2 | 27.2 | 13.1 | 9.9 | 19.2 | 22.5 |
| EPS Gr. (%) | -5.0 | 64.9 | -9.9 | 34.6 | -51.8 | -24.1 | 92.7 | 17.2 |
| BV/Sh. (INR) | 154.1 | 151.5 | 158.0 | 169.0 | 161.3 | 168.0 | 182.2 | 198.9 |
| Ratios | | | | | | | | |
| Net D:E | 0.1 | 0.3 | 0.5 | 0.4 | 0.5 | 0.5 | 0.4 | 0.3 |
| RoE (%) | 9.2 | 14.7 | 13.0 | 16.6 | 7.9 | 6.0 | 11.0 | 11.8 |
| RoCE (%) | 8.3 | 11.1 | 9.2 | 11.3 | 6.3 | 4.9 | 8.1 | 8.9 |
| Payout (%) | 66.8 | 36.0 | 38.0 | 31.3 | 66.9 | 28.0 | 25.6 | 25.9 |
| Valuations | | | | | | | | |
| P/E (x) | 6.6 | 4.0 | 4.5 | 3.3 | 6.9 | 9.0 | 4.7 | 4.0 |
| P/BV (x) | 0.6 | 0.6 | 0.6 | 0.5 | 0.6 | 0.5 | 0.5 | 0.5 |
| EV/EBITDA (x) | 2.9 | 3.0 | 3.3 | 2.5 | 3.5 | 5.3 | 3.5 | 3.0 |
| Div. yield (%) | 6.3 | 7.7 | 7.3 | 7.6 | 5.6 | 2.5 | 4.7 | 5.5 |
| FCF yield (%) | 40.6 | 14.8 | -16.7 | 15.7 | 3.3 | -11.9 | 23.6 | 21.3 |

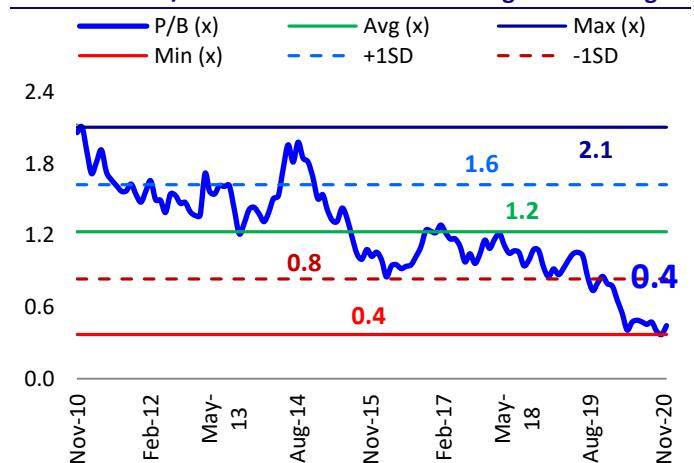
Source: Company, MOFSL

Exhibit 17: ONGC one-year forward P/E trades ~50% and...



Source: Company, MOFSL

Exhibit 18: ...P/B at a 65% discount to its long-term average



Source: Company, MOFSL

Oil India – financial summary and assumptions (TP: INR125)

Exhibit 19: Key assumptions

| Year-end: March 31 (INR m) | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E | FY23E |
|--|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| Exchange rate (INR/USD) | 65.4 | 67.1 | 64.5 | 64.5 | 64.5 | 74.6 | 75.3 | 75.3 |
| APM gas price (USD/mmbtu) | 4.7 | 3.0 | 3.0 | 3.5 | 3.8 | 2.3 | 2.4 | 3.0 |
| Brent crude price (USD/bbl) | 47.5 | 49.0 | 57.6 | 70.1 | 61.2 | 40.6 | 50.0 | 50.0 |
| Production details | | | | | | | | |
| Oil (mmt) | 3.25 | 3.28 | 3.39 | 3.32 | 3.11 | 3.02 | 3.08 | 3.14 |
| Gas (bcm) | 2.84 | 2.94 | 2.89 | 2.72 | 2.69 | 2.69 | 2.75 | 2.86 |
| Total (mmtoe) | 6.09 | 6.22 | 6.29 | 6.05 | 5.80 | 5.71 | 5.83 | 6.00 |
| Subsidy sharing (INR b) | 2 | - | - | - | - | - | - | - |
| Oil price realization (USD/bbl) | | | | | | | | |
| Gross | 46.4 | 47.4 | 55.7 | 68.5 | 60.8 | 40.6 | 50.0 | 50.0 |
| Upstream discount | 1.0 | - | - | - | - | - | - | - |
| Net | 45.3 | 47.4 | 55.7 | 68.5 | 60.8 | 40.6 | 50.0 | 50.0 |
| EPS (INR/sh.) | 22.3 | 23.9 | 23.6 | 32.0 | 22.9 | 7.4 | 17.1 | 18.7 |

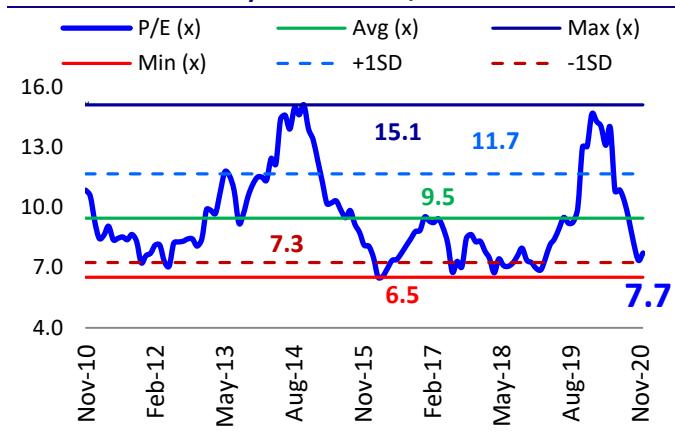
Source: Company, MOFSL

Exhibit 20: Key assumptions

| Y/E March 31 (INR b) | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E | FY23E |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Sales | 92.7 | 93.6 | 106.6 | 137.3 | 121.3 | 82.4 | 101.2 | 105.0 |
| EBITDA | 30.7 | 29.6 | 39.1 | 54.8 | 43.7 | 18.8 | 30.5 | 32.5 |
| Adj. PAT | 25.2 | 27.0 | 26.7 | 36.2 | 25.8 | 8.4 | 19.4 | 21.1 |
| Adj. EPS (INR) | 22.3 | 23.9 | 23.6 | 32.0 | 22.9 | 7.4 | 17.1 | 18.7 |
| EPS Gr. (%) | 14.9 | 7.2 | -1.2 | 35.6 | -28.6 | -76.4 | 218.1 | 9.0 |
| BV/Sh. (INR) | 220.5 | 257.4 | 246.9 | 245.5 | 215.7 | 218.7 | 228.1 | 238.4 |
| Ratios | | | | | | | | |
| Net D:E | 0.0 | 0.1 | 0.2 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| RoE (%) | 9.4 | 5.7 | 9.4 | 9.3 | 9.9 | 2.5 | 7.7 | 8.0 |
| RoCE (%) | 4.1 | 3.5 | 4.8 | 6.8 | 3.6 | 0.0 | 3.0 | 3.2 |
| Payout (%) | 56.5 | 96.5 | 52.7 | 53.8 | 55.8 | 54.2 | 54.2 | 54.2 |
| Valuations | | | | | | | | |
| P/E (x) | 4.8 | 4.5 | 4.5 | 3.3 | 4.7 | 14.5 | 6.2 | 5.7 |
| P/BV (x) | 0.5 | 0.4 | 0.4 | 0.4 | 0.5 | 0.5 | 0.5 | 0.4 |
| EV/EBITDA (x) | 3.7 | 4.9 | 4.2 | 2.4 | 4.0 | 9.5 | 6.0 | 5.7 |
| Div. yield (%) | 8.9 | 10.3 | 9.7 | 9.6 | 9.9 | 2.3 | 7.2 | 7.9 |
| FCF yield (%) | 15.4 | 14.0 | 23.3 | 42.3 | -15.3 | -1.5 | 3.2 | 6.1 |

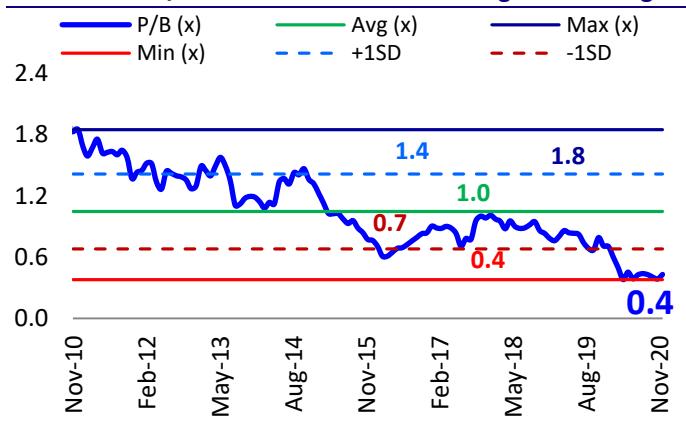
Source: Company, MOFSL

Exhibit 21: ONIL one-year forward P/E trades ~20% and...



Source: Company, MOFSL

Exhibit 22: ...P/B at a 60% discount to its long-term average



Source: Company, MOFSL

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 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, Investment Advisory Services, Depository participant services & distribution of various financial products. MOFSL is a subsidiary company of Passionate Investment Management Pvt. Ltd.. (PIMPL). 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 CCR 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") (Co.Reg. NO. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in Singapore. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- 1 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.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 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
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 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 in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from 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
- received compensation/other benefits from the subject company in the past 12 months
- 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.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report.

Terms & Conditions:

This report has been prepared by MOFSL and is meant for sole use by the recipient and not for circulation. The report and information contained herein is strictly confidential and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent of MOFSL. The report is based on the facts, figures and information that are considered true, correct, reliable and accurate. The intent of this report is not recommendatory in nature. The information is obtained from publicly available media or other sources believed to be reliable. Such information has not been independently verified and no guaranty, representation of warranty, express or implied, is made as to its accuracy, completeness or correctness. All such information and opinions are subject to change without notice. The report is prepared solely for informational purpose and does not constitute an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments for the clients. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. MOFSL will not treat recipients as customers by virtue of their receiving this report.

Disclaimer:

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or sell or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this document should make such investigations as it deems necessary to arrive at an independent evaluation of an investment in the securities of companies referred to in this document (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. The investment discussed or views expressed may not be suitable for all investors. Certain transactions -including those involving futures, options, another derivative products as well as non-investment grade securities - involve substantial risk and are not suitable for all investors. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. The Disclosures of Interest Statement incorporated in this document is provided solely to enhance the transparency and should not be treated as endorsement of the views expressed in the report. This information is subject to change without any prior notice. The Company reserves the right to make modifications and alterations to this statement as may be required from time to time without any prior approval. MOFSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOFSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. This report is not directed or intended for distribution to, or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction, where such distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 71934200/ 022-71934263; Website www.motilaloswal.com.CIN no.: L67190MH2005PLC153397.Correspondence Office Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad(West), Mumbai-400 064. Tel No: 022 7188 1000.

Registration Nos.: Motilal Oswal Financial Services Limited (MOFSL)*: INZ000158836(BSE/NSE/MCX/NCDEX); CDSL and NSDL; IN-DP-16-2015; Research Analyst: INH000000412. AMFI: ARN - 146822; Investment Adviser: INA000007100; Insurance Corporate Agent: CA0579; PMS: INP000006712. Motilal Oswal Asset Management Company Ltd. (MOAMC): PMS (Registration No.: INP000000670); PMS and Mutual Funds are offered through MOAMC which is group company of MOFSL. Motilal Oswal Wealth Management Ltd. (MOWML): PMS (Registration No.: INP000004409) is offered through MOWML, which is a group company of MOFSL. Motilal Oswal Financial Services Limited is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs, Insurance Products and IPOs. Real Estate is offered through Motilal Oswal Real Estate Investment Advisors II Pvt. Ltd. which is a group company of MOFSL. Private Equity is offered through Motilal Oswal Private Equity Investment Advisors Pvt. Ltd which is a group company of MOFSL. Research & Advisory services is backed by proper research. Please read the Risk Disclosure Document prescribed by the Stock Exchanges carefully before investing. There is no assurance or guarantee of the returns. Investment in securities market is subject to market risk, read all the related documents carefully before investing. Details of Compliance Officer: Name: Neeraj Agarwal, Email ID: na@motilaloswal.com, Contact No.:022-71881085.

* MOSL has been amalgamated with Motilal Oswal Financial Services Limited (MOFSL) w.e.f August 21, 2018 pursuant to order dated July 30, 2018 issued by Hon'ble National Company Law Tribunal, Mumbai Bench.