

Gujarat Gas

BSE SENSEX S&P CNX 38,365 11,317

CMP: INR289

TP: INR360 (+25%)

Buy



Stock Info

| Bloomberg | GUJGA IN |
|-----------------------|-------------|
| Equity Shares (m) | 688 |
| M.Cap.(INRb)/(USDb) | 198.9 / 2.8 |
| 52-Week Range (INR) | 335 / 162 |
| 1, 6, 12 Rel. Per (%) | -5/0/63 |
| 12M Avg Val (INR M) | 270 |
| Free float (%) | 39.1 |
| | |

Financials Snapshot (INR b)

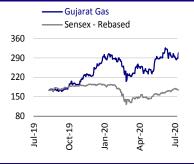
| Y/E March | 2020 | 2021E | 2022E |
|----------------|-------|-------|-------|
| Sales | 103.0 | 94.6 | 132.3 |
| EBITDA | 16.3 | 14.8 | 19.3 |
| PAT | 11.9 | 7.8 | 11.3 |
| EPS (INR) | 17.3 | 11.4 | 16.4 |
| EPS Gr. (%) | 177.8 | -34.5 | 44.0 |
| BV/Sh.(INR) | 47.8 | 56.8 | 69.6 |
| Ratios | | | |
| Net D:E | 0.6 | 0.4 | 0.3 |
| RoE (%) | 43.6 | 21.7 | 25.9 |
| RoCE (%) | 29.8 | 23.3 | 29.4 |
| Payout (%) | 8.7 | 21.2 | 21.2 |
| Valuations | | | |
| P/E (x) | 16.7 | 25.4 | 17.7 |
| P/BV (x) | 6.0 | 5.1 | 4.2 |
| EV/EBITDA (x) | 12.9 | 13.9 | 10.1 |
| Div. Yield (%) | 0.4 | 0.7 | 1.0 |
| FCF Yield (%) | 6.4 | 3.3 | 6.9 |

Shareholding pattern (%)

| As On | Jun-20 | Mar-20 | Jun-19 |
|----------|--------|--------|--------|
| Promoter | 60.9 | 60.9 | 60.9 |
| DII | 7.4 | 7.0 | 5.4 |
| FII | 9.2 | 9.8 | 11.9 |
| Others | 22.5 | 22.2 | 21.7 |

FII Includes depository receipts

Stock Performance (1-year)



Gas and LPG prices on a see-saw; Margins to remain stable

- Gujarat Gas (GUJGA) has taken a price cut of INR2.5/scm on PNG Industrial at Morbi, as per our interaction with the company. Therefore, gas price realization now stands at INR24.5/scm, bringing the economies of gas at par with the current low LPG prices.
- According to our observation of the recent movement in prices, LPG prices fell to a record low and subsequently revived off the trough (similar to Brent prices), however, it is still down 35% YoY. Historically, LPG prices are usually cheap during the monsoon season while prices spike during winters, driven by higher heating demand.
- Industrials account for >75% of the sales volume for GUJGA Morbi constitutes ~75% of the total industrial volume. Thus, it is an uphill task for GUJGA to maintain healthy economics of gas with LPG for its industrial consumers.
- Reflecting on the company's EBITDA margin, we do not see GUJGA breaching INR5/scm on a sustainable level for the time being. However, we would also like to highlight two scenarios in which EBITDA/scm may rise on a sustainable basis:
 - If the NGT comes up with similar orders banning dirty alternate fuels at other industrial clusters in GUJGA's operating areas (refer our <u>earlier report</u>), and
 - > CNG takes a larger pie in the total sales mix since it is the most profitable segment.
- During our recently concluded conference (AGIC), GUJGA stated that total volumes averaged ~9.5mmscmd QTD 2QFY21, of which industrial volumes stood at ~7.6mmscmd (Morbi ~6mmscmd v/s peak of 6.3mmscmd achieved in 4QFY20, which reflects incremental room for growth). However, CNG remains a laggard and recovery is likely to range between 80-85% of pre-COVID levels in the near term.
- GUJGA has seen the fastest recovery in volumes post lifting of the lockdowns. Also, the company should see a major volume boost of ~10% CAGR over the medium term on the highest volume base amongst peers.
- We reiterate GUJGA as our top Buy (at INR360/share, valuing it at 22x FY22E EPS), with the best RoE profile of 22−26% and expected FCF generation of ~INR20b over FY21-FY22E.

Understanding Gas to LPG economics

- Prior to the National Green Tribunal's (NGT) mandate to ban coal gasifiers at Morbi, GUJGA's margins and volumes were highly volatile. This was primarily driven by competition from coal gasifiers.
- However, post the NGT's ban, the company's volumes and margins (excluding one off in 1QFY21) stabilized. The low LPG prices have enabled few consumers to install LPG equipment at their premises. The total installed capacity currently stands at ~0.6mmscmd for LPG.
- Normally, LPG prices are cheaper than gas during the monsoons. Thus, LPG usage during the monsoons increases to ~0.6mmscmd, while it stands at ~0.3mmscmd for the rest of the year (forming merely ~3-4% of total volumes).
- In Jun'20, ceramic manufacturers increased prices of tiles by 5-10%, reflecting confidence in sustainable demand from Morbi. Even shifting of the supplier base from China to India is in favor of Morbi's ceramic manufacturers.
- The discretion to adjust prices to compete with LPG remains with GUJGA, and hence, the company might take a price hike whenever deemed necessary.

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

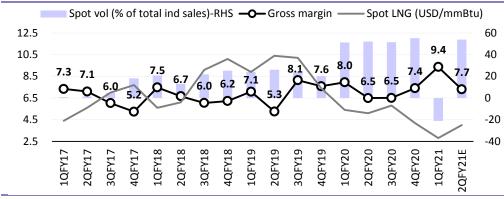
Increase in share of spot prices to favor margins

- Since the implementation of the blanket ban on coal gasifiers at Morbi, total industrial sales have increased. Combined with that, BG volumes have also come down slightly from 2.5mmscmd to 2.2mmscmd (the company currently has 3.2mmscmd of long-term contracts).
- The above has resulted in spot commanding much higher 55-60% of total industrial sales volumes vis-à-vis 15-20% seen earlier.
- This broadly means that as long as spot prices remain weak, we would see higher gross margins for the company. Although spot LNG prices have come up to USD4.5/mmBtu (v/s an average of USD2.8/mmBtu in 1QFY21), it is still lower by USD1/mmBtu on YoY basis.
- As per our calculation (in exhibit 1), despite price cuts, gross margin for GUJGA is likely to remain healthy at ~INR7.7/scm (v/s INR7.4/scm in 4QFY20).
- We also expect spot prices to again decline as soon as the US LNG terminals come online (back from the recent cyclone) and the Gorgon LNG terminal in Australia recommences operations.

Valuation and view - Volume CAGR of 10% beyond FY22E as well

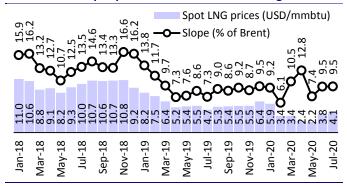
- Strong export orders at Morbi have started seeing an emergence of a new ceramic cluster at Aniyari, a potential 0.5mmscmd market in the making.
- Recently, the regulatory board (PNGRB) ruled that GAIL should stop supply to consumers designated for CGD at Tarapur and Thane. This could add ~0.3mmscmd of volumes in the short term. Similar rulings are expected at Dahej as well. To put this into perspective, the incremental volumes could offset the aforementioned volume loss due to the switch from gas to LPG (if any).
- In the long term, we believe industrial volumes (further supported by the NGT's reforms in India) would be the clear winner for growth. Any directive by the NGT to ban usage of Fuel Oil could lead to short-term incremental volume boost of 2-3mmscmd for GUJGA.
- With ~400 CNG outlets, GUJGA sells only 1.5mmscmd of CNG v/s 4.5mmscmd that IGL sells in NCR alone. GUJGA is expected to establish ~100 CNG stations over the next 2-3 years, increasing its penetration in the CNG segment.
- The newly awarded 16-17 cities could see volumes of 2.5—3mmscmd over the next 4-5 years. The Vasai-Virar region is the next big focus market for GUJGA after Thane GUJGA is planning to supply gas through a virtual network there.
- Once gas is included under GST, consumers will be able to take input tax credits, thus, lowering their gas feedstock cost. GUJGA will be able to take tax credit on opex and capex. Capex plans for FY21 stands at INR6-7b v/s INR5.8b in FY20 (GUJGA plans to fund capex through internal accruals only).
- GUJGA is trading at 17.7x FY22E EPS of INR16.4 and 10.1x FY22E EV/EBITDA. We value GUJGA at 22x FY22E. With target price of INR360/share, we reiterate Buy on the stock.

Exhibit 1: Gross margin (INR/scm) to normalize in coming quarters



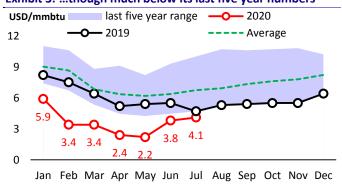
2QFY21E is an estimate Source: Company, MOFSL

Exhibit 2: LNG spot price has revived off the trough...



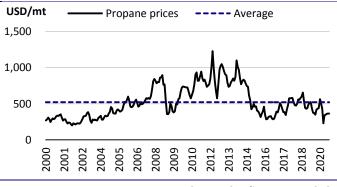
Source: Meti, MOFSL

Exhibit 3: ...though much below its last five year numbers



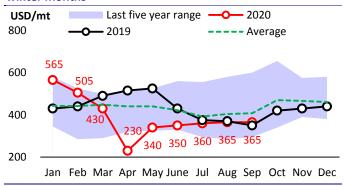
Source: Meti, MOFSL

Exhibit 4: Propane prices have remained stable in last two months, while spot LNG prices have climbed higher...



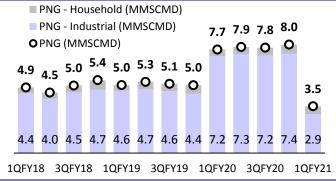
Source: Saudi Aramco, MOFSL

Exhibit 5: ...although propane prices should climb up in the winter months



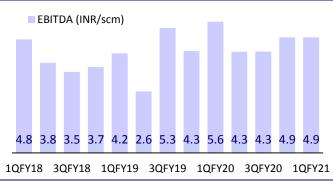
Source: Saudi Aramco, MOFSL

Exhibit 6: Volumes growth has been stable post NGT order...



Source: Company, MOFSL

Exhibit 7: ...along with normalization of EBITDA/scm as well



Source: Company, MOFSL

Key assumption charts

Exhibit 8: PNG - I/C to boost volume growth

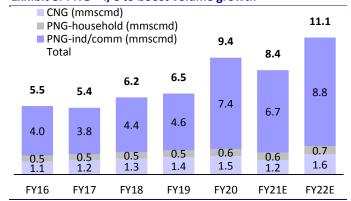
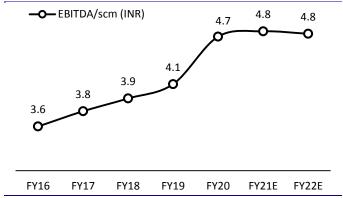


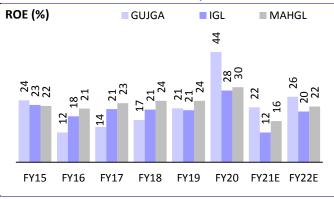
Exhibit 9: EBITDA/scm to normalize to ~INR4.8 in FY21/22E



Source: Company, MOFSL

Peer comparison charts

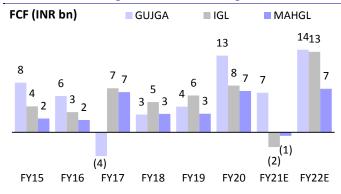
Exhibit 10: GUJGA has the best RoE profile...



Source: Company, MOFSL

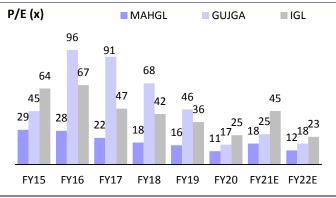
Source: Company, MOFSL

Exhibit 11: ...with highest Free Cash Flow generation



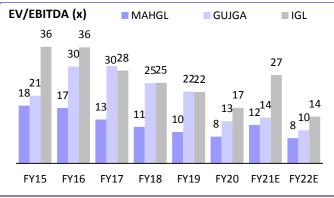
Source: Company, MOFSL

Exhibit 12: On FY22 P/E, GUJGA trades at 18x v/s IGL at 23x...



Source: Company, MOFSL

Exhibit 13: ...with EV/EBITDA of 10x



Source: Company, MOFSL

Financials and Valuations

| Standalone - Income Statement | | | | | | | | (INR M) |
|-------------------------------------|---------|--------|--------|--------|--------|----------|--------|----------|
| Y/E March | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E |
| Total Income from Operations | 90,063 | 61,059 | 50,926 | 61,743 | 77,544 | 1,03,003 | 94,617 | 1,32,347 |
| Change (%) | 15.5 | -32.2 | -16.6 | 21.2 | 25.6 | 32.8 | -8.1 | 39.9 |
| EBITDA | 11,062 | 7,264 | 7,433 | 8,951 | 9,846 | 16,343 | 14,806 | 19,337 |
| Margin (%) | 12.3 | 11.9 | 14.6 | 14.5 | 12.7 | 15.9 | 15.6 | 14.6 |
| Depreciation | 2,377 | 2,457 | 2,573 | 2,718 | 2,880 | 3,180 | 3,357 | 3,466 |
| EBIT | 8,685 | 4,808 | 4,860 | 6,232 | 6,966 | 13,163 | 11,448 | 15,871 |
| Int. and Finance Charges | 3,332 | 2,475 | 2,090 | 1,961 | 1,962 | 1,922 | 1,853 | 1,814 |
| Other Income | 1,071 | 445 | 263 | 357 | 1,113 | 837 | 857 | 996 |
| PBT bef. EO Exp. | 6,424 | 2,779 | 3,033 | 4,628 | 6,117 | 12,078 | 10,453 | 15,053 |
| EO Items | -10 | -256 | 0 | 0 | -179 | 0 | 0 | 0 |
| PBT after EO Exp. | 6,414 | 2,523 | 3,033 | 4,628 | 5,939 | 12,078 | 10,453 | 15,053 |
| Current Tax | 1,979 | 648 | 838 | 1,715 | 1,768 | 145 | 2,631 | 3,789 |
| Tax Rate (%) | 30.8 | 25.7 | 27.6 | 37.0 | 29.8 | 1.2 | 25.2 | 25.2 |
| Reported PAT | 4,436 | 1,875 | 2,195 | 2,914 | 4,170 | 11,933 | 7,822 | 11,264 |
| Adjusted PAT | 4,443 | 2,065 | 2,195 | 2,914 | 4,296 | 11,933 | 7,822 | 11,264 |
| Change (%) | 1,323.3 | -53.5 | 6.3 | 32.7 | 47.4 | 177.8 | -34.5 | 44.0 |
| Margin (%) | 4.9 | 3.4 | 4.3 | 4.7 | 5.5 | 11.6 | 8.3 | 8.5 |
| Standalone - Balance Sheet | | | | | | | | (INR M) |
| Y/E March | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E |
| Equity Share Capital | 1,377 | 1,377 | 1,377 | 1,377 | 1,377 | 1,377 | 1,377 | 1,377 |
| Total Reserves | 18,532 | 13,718 | 15,072 | 17,087 | 20,463 | 31,529 | 37,690 | 46,562 |
| Net Worth | 19,909 | 15,095 | 16,449 | 18,464 | 21,840 | 32,906 | 39,067 | 47,938 |
| Deferred Tax Liabilities | 3,528 | 9,865 | 9,849 | 10,455 | 10,816 | 8,005 | 8,005 | 8,005 |
| Total Loans | 31,960 | 17,066 | 22,987 | 22,143 | 20,892 | 18,344 | 15,344 | 12,344 |
| Capital Employed | 55,397 | 42,025 | 49,285 | 51,062 | 53,547 | 59,255 | 62,415 | 68,287 |
| Gross Block | 50,114 | 54,153 | 59,393 | 64,021 | 68,861 | 73,531 | 75,672 | 78,386 |
| Less: Accum. Deprn. | 5,247 | 7,704 | 10,376 | 13,094 | 15,974 | 19,154 | 22,511 | 25,977 |
| Net Fixed Assets | 44,867 | 46,449 | 49,017 | 50,927 | 52,887 | 54,377 | 53,161 | 52,408 |
| Capital WIP | 3,574 | 4,682 | 5,071 | 4,797 | 4,902 | 5,708 | 8,567 | 10,853 |
| Total Investments | 10,990 | 1,218 | 683 | 161 | 160 | 1,633 | 1,633 | 1,633 |

9,495

411

3,606

2,378

3,101

13,529

4,262

8,193

1,074

-4,034

55,397

7,544

3,005

3,447

17,868

2,515

14,986

-10,324

42,025

367

413

678

8,714

3,475

4,214

14,199

3,140

10,660

-5,485

49,285

399

417

608

10,449

568

3,917

1,363

4,601

15,271

11,957

-4,822

51,062

2,931

383

13,326

694

5,103

3,092

4,437

17,727

3,523

480

13,724

-4,402

53,548

17,255

463

5,101

6,919

4,772

19,718

15,015

1,033

-2,464

59,255

3,670

17,363

426

4,686

7,867

4,383

18,309

13,792

62,415

1,137

-946

3,380

28,720

603

6,555

15,431

6,131

25,328

4,786

19,292

1,250

3,392

68,286

Appl. of Funds
E: MOFSL Estimates

Net Current Assets

Curr. Assets, Loans&Adv.

Account Receivables

Loans and Advances

Account Payables

Curr. Liability & Prov.

Other Current Liabilities

Cash and Bank Balance

Inventory

Provisions

Financials and Valuations

| Y/E March (INR) | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22E |
|----------------------------------|--------|---------|--------|--------|--------|--------|--------|--------|
| EPS | 6.5 | 3.0 | 3.2 | 4.2 | 6.2 | 17.3 | 11.4 | 16.4 |
| Cash EPS | 9.9 | 6.6 | 6.9 | 8.2 | 10.4 | 22.0 | 16.2 | 21.4 |
| BV/Share | 28.9 | 21.9 | 23.9 | 26.8 | 31.7 | 47.8 | 56.8 | 69.6 |
| DPS | 1.0 | 0.5 | 0.6 | 0.8 | 1.0 | 1.3 | 2.0 | 2.9 |
| Payout (%) | 18.7 | 22.1 | 22.6 | 22.8 | 19.9 | 8.7 | 21.2 | 21.2 |
| Valuation (x) | | | | | | | | |
| P/E | 44.8 | 96.3 | 90.6 | 68.3 | 46.3 | 16.7 | 25.4 | 17.7 |
| Cash P/E | 29.2 | 44.0 | 41.7 | 35.3 | 27.7 | 13.2 | 17.8 | 13.5 |
| P/BV | 10.0 | 13.2 | 12.1 | 10.8 | 9.1 | 6.0 | 5.1 | 4.2 |
| EV/Sales | 2.5 | 3.5 | 4.3 | 3.6 | 2.8 | 2.0 | 2.2 | 1.5 |
| EV/EBITDA | 20.7 | 29.6 | 29.8 | 24.5 | 22.0 | 12.9 | 13.9 | 10.1 |
| Dividend Yield (%) | 0.3 | 0.2 | 0.2 | 0.3 | 0.3 | 0.4 | 0.7 | 1.0 |
| FCF per share | 12.0 | 8.8 | -5.7 | 4.3 | 6.2 | 18.6 | 9.6 | 20.0 |
| Return Ratios (%) | | | | | | | | |
| RoE | 24.5 | 11.8 | 13.9 | 16.7 | 21.3 | 43.6 | 21.7 | 25.9 |
| RoCE | 19.2 | 12.5 | 14.3 | 16.5 | 19.4 | 29.8 | 23.3 | 29.4 |
| Working Capital Ratios | | | | | | | | |
| Asset Turnover (x) | 1.6 | 1.5 | 1.0 | 1.2 | 1.4 | 1.7 | 1.5 | 1.9 |
| Inventory (Days) | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 2 |
| Debtor (Days) | 15 | 18 | 25 | 23 | 24 | 18 | 18 | 18 |
| Creditor (Days) | 17 | 15 | 23 | 17 | 17 | 13 | 13 | 13 |
| Working Cap. Turnover (Days) | -26 | -66 | -44 | -37 | -35 | -33 | -34 | -33 |
| Leverage Ratio (x) | | | | | | | | |
| Current Ratio | 0.7 | 0.4 | 0.6 | 0.7 | 0.8 | 0.9 | 0.9 | 1.1 |
| Interest Cover Ratio | 2.6 | 1.9 | 2.3 | 3.2 | 3.6 | 6.8 | 6.2 | 8.8 |
| Debt/Equity | 1.6 | 1.1 | 1.4 | 1.2 | 1.0 | 0.6 | 0.4 | 0.3 |
| Standalone - Cash Flow Statement | | | | | | | | (INR M |
| Y/E March | FY15 | FY16 | FY17 | FY18 | FY19 | FY20 | FY21E | FY22I |
| OP/(Loss) before Tax | 6,414 | 2,779 | 3,033 | 4,628 | 6,117 | 12,078 | 10,453 | 15,053 |
| Depreciation | 2,377 | 2,457 | 2,573 | 2,718 | 2,880 | 3,180 | 3,357 | 3,466 |
| Interest & Finance Charges | 3,332 | 2,029 | 1,826 | 1,604 | 849 | 1,085 | 995 | 817 |
| Direct Taxes Paid | -1,461 | -648 | -838 | -1,715 | -1,768 | -145 | -2,631 | -3,789 |
| (Inc)/Dec in WC | 1,852 | 4,590 | -4,909 | 92 | 1,308 | 1,889 | -569 | 3,226 |
| CF from Operations | 12,514 | 11,207 | 1,686 | 7,328 | 9,386 | 18,087 | 11,606 | 18,774 |
| CF from Operating incl EO | 11,798 | 11,207 | 1,686 | 7,328 | 9,207 | 18,266 | 11,606 | 18,774 |
| (Inc)/Dec in FA | -3,508 | -5,147 | -5,629 | -4,355 | -4,945 | -5,476 | -5,000 | -5,000 |
| Free Cash Flow | 8,290 | 6,060 | -3,942 | 2,973 | 4,262 | 12,790 | 6,606 | 13,774 |
| (Pur)/Sale of Investments | -2,563 | 9,773 | 535 | 522 | 0 | -1,473 | 0 | (|
| Others | 167 | 189 | 263 | 357 | 1,113 | 837 | 857 | 996 |
| CF from Investments | -5,904 | 4,815 | -4,830 | -3,476 | -3,832 | -6,112 | -4,143 | -4,004 |
| Inc/(Dec) in Debt | -756 | -14,894 | 5,921 | -844 | -1,251 | -2,548 | -3,000 | -3,000 |
| Interest Paid | -4,874 | -2,475 | -2,090 | -1,961 | -1,962 | -1,922 | -1,853 | -1,814 |
| Dividend Daid | ۰,۵.۱ | 116 | 400 | 666 | 920 | 1,027 | 1,663 | 2 202 |

Closing Balance
E: MOFSL Estimates

CF from Fin. Activity

Dividend Paid

Inc/Dec of Cash

Opening Balance

8 September 2020 6

-2

-5,632

262

2,116

2,378

-416

-17,721

-1,699

2,378

678

-499

3,074

-70

678

609

-666

754

609

1,363

-3,098

-830

-3,646

1,729

1,363

3,092

-1,037

-8,327

3,827

3,092

6,918

-1,662

-6,514

6,918

7,867

949

-2,393

-7,206

7,564

7,867

15,431

| 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.

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 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 //galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

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

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 brokerdealer, Motilal Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this

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

- 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

8 September 2020

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 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.

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 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.