

Torrent Power

Estimate change	
TP change	←→
Rating change	\longleftrightarrow

Bloomberg	TPW IN
Equity Shares (m)	481
M.Cap.(INRb)/(USDb)	146 / 1.9
52-Week Range (INR)	339 / 238
1, 6, 12 Rel. Per (%)	5/31/49
12M Avg Val (INR M)	412

Financials & Valuations (INR b)

2020	2021E	2022E
136.4	136.8	139.8
35.6	34.9	37.0
13.5	11.5	14.0
28.0	24.0	29.2
49.7	-14.4	21.7
190.5	207.9	230.6
14.9	12.0	13.3
9.5	9.5	10.3
41.4	27.1	22.3
10.9	12.7	10.5
1.6	1.5	1.3
3.8	2.1	2.1
15.7	13.3	17.1
	136.4 35.6 13.5 28.0 49.7 190.5 14.9 9.5 41.4	136.4 136.8 35.6 34.9 13.5 11.5 28.0 24.0 49.7 -14.4 190.5 207.9 14.9 12.0 9.5 9.5 41.4 27.1 10.9 12.7 1.6 1.5 3.8 2.1

Shareholding pattern (%)

As On	Mar-20	Dec-19	Mar-19		
Promoter	53.6	53.6	53.6		
DII	19.6	19.9	17.4		
FII	8.8	8.1	7.8		
Others	18.1	18.4	21.2		
FII Includes depository receipts					

CMP: INR304 TP: INR351 (+16%) Buy

Better performance of distribution drives beat

Distribution biz may see near-term impact on lower volumes; Maintain Buy

- Torrent Power's (TPW) 4QFY20 results highlight the improved performance of its distribution businesses (franchise and licensed) along with some benefit of merchant sales. Consol. EBITDA improved 17% YoY to INR8.3b.
- TPW's distribution business may get impacted due to lower volumes owing to the COVID-19 pandemic. However, a healthy balance sheet should help it to tide over this wave. **Maintain Buy with TP of INR351/share.**

Distribution business performance drives beat

- TPW's 4QFY20 EBITDA rose 17% YoY to INR8.3b (v/s est. INR7.4b) amid lower T&D losses and some merchant volumes. This was partly offset by the impact of new CERC norms on Sugen.
- The beat to our estimates was largely led by (1) improved performance of its distribution businesses (both franchise and licensed) amid lower T&D losses, and (2) some merchant volumes. In addition, the company made a provision of (1) INR0.5b for possible cancellation of its SECI-V project, and (2) INR0.5b for bad debts adj. for which the beat would have been higher.
- Profitability for Sugen was impacted by the new CERC regulations, which has tightened O&M norms and increased sharing on efficiency gains.
- PBT (before exceptions) was up 39% YoY to ~INR3.1b (v/s est. INR2.3b). However, the company took an impairment of INR10b pertaining to its DGEN mega power project. In addition, INR4.4b of one-offs related to tax were reported. Adj. for these items, PAT would have come in at INR2.8b (v/s its reported loss of INR2.7b).

Management commentary highlights

- Gross Debt of the company stood at INR89b by end-FY20 (against ~INR97b during FY19). Further with interest resets, the interest cost for the company is likely to come down.
- Demand from end consumers has witnessed a sharp decline in both DF and DL areas. Collection efficiencies within DF areas, particularly in Bhiwandi, has been impacted
- SECI has not agreed to an extension for TPW's SECI-V project. Accordingly,
 TPW has taken a provision for the same.

Valuation and view – Strong positioning/healthy balance sheet; Maintain Buy

COVID-19 is likely to impact TPW's distribution business in the near term. Accordingly, we have cut EPS for FY21/22E by 7%/4% to account for the same. However, from a medium-term perspective, TPW's story remains intact. Outlook for its gas plants has improved with low LNG prices and the recent off-take of UnoSugen PPA. Further, continued capitalization within regulated distribution and debt repayment should also aid earnings. We maintain our **Buy** rating on the company with **TP of INR351/share.**

Exhibit 1: Quarterly Performance (consolidated) - INR m

Y/E March		FY	19			FY	20		FY19	FY20	FY20	vs Est
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE	(%)
Net Sales	35,281	34,445	32,535	29,248	37,361	38,420	30,790	29,835	131,510	136,406	28,593	4
YoY Change (%)	15.3	18.2	18.1	4.1	5.9	11.5	-5.4	2.0			-2.2	
Total Expenditure	27,617	24,577	25,171	22,150	29,025	27,870	22,386	21,565	99,515	100,846	21,229	2
EBITDA	7,664	9,869	7,364	7,098	8,337	10,550	8,404	8,270	31,995	35,561	7,364	12
Margins (%)	21.7	28.6	22.6	24.3	22.3	27.5	27.3	27.7	24.3		25.8	
Depreciation	3,018	3,044	3,074	3,130	3,206	3,219	3,268	3,350	12,265	13,043	3,280	2
Interest	2,292	2,247	2,287	2,163	2,477	2,495	2,349	2,224	8,989	9,546	2,294	-3
Other Income	523	441	533	399	545	493	365	373	1,896	1,776	466	-20
PBT before EO expense	2,877	5,019	2,537	2,204	3,199	5,329	3,152	3,069	12,636	14,748	2,256	36
Extra-Ord expense	0	0	0	0	0	0	0	10,000	0	10,000	0	
PBT	2,877	5,019	2,537	2,204	3,199	5,329	3,152	-6,931	12,636	4,748	2,256	-407
Tax	604	884	155	1,956	433	-2,227	-1,055	-4,191	3,598	-7,040	1,510	
Rate (%)	21.0	17.6	6.1	88.7	13.5	-41.8	-33.5	60.5	28.5	-148.3	66.9	
MI and Associates	15	13	12	9	13	12	12	10	49	47	-29	
Reported PAT	2,259	4,122	2,370	240	2,753	7,544	4,194	-2,749	8,989	11,742	775	-455
PAT	2,259	4,122	2,370	240	2,753	4,742	3,148	2,815	8,989	13,458	775	263
YoY Change (%)	-17.2	27.7	15.6	-89.0	21.9	15.1	32.8	1,075.3	-11.6	49.7	223.6	

Source: MOFSL, Company

Operational highlights

- UnoSugen's PLF rose to 68.2% (v/s 0% in the previous year) in 4QFY20 on new PPA of 278MW capacity being kick-started. DGEN witnessed volumes of 197MU at 7.7% PLF.
- T&D losses improved for DFs in Bhiwandi/Agra during FY20 from 15.13%/14.18% to 11.93%/12.51%. As for Ahmedabad/Surat distribution, T&D losses stood at 4.98%/3.43% in FY20 (v/s 5.61%/3.43% in FY19).
- PLFs for TPW's wind business improved ~1.45% YoY to 23.62% while solar PLF declined 0.95% YoY to 19.3% during 4QFY20. For FY20, wind business PLF declined marginally, which stood at 29.76% and Solar PLF stood at 17.14%.

Exhibit 2: SOTP Valuation

FY22 basis	Reg. E				Equity	Norm.	EV
	Equity	RoE	Growth	Multiple	Value	Debt	
	INR m	%	%	x	INR m	INR m	INR m
Regulated businesses	50,897			(RoE-g)/(CoE-g)	80,646	36,321	122,548
Distribution							
Ahmedabad	22,629	16.0	6.0	1.9	43,102	18,536	61,638
Surat	7,283	16.0	6.0	1.9	13,872	3,439	17,311
Regulatory assets	9,330			1.0	9,330	0	9,330
Generation							
Sabarmati	4,545	14.0	0.0	1.0	4,545	0	4,545
Sugen	7,110	15.5	0.0	1.4	9,796	14,347	24,143
UnoSugen						5,581	5,581
Others businesses	EBITDA						
	INR m						
RE projects	6,730			8.0			53,837
Bhiwandi and Agra DFs	7,477			6.5			48,602
SMK DF							2,443
Sugen PPA efficiency earnings	2,096			6.0			12,579
Others							
EV							240,008
Less: Net debt							52,567
MCap							187,441
No. of shares							481
Value per share							390
Discounted to FY21- Value per share							351

Source: MOFSL, Company



Highlights from management commentary

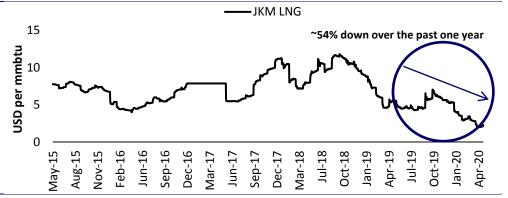
- Interest Cost: Gross debt stands at ~INR89b. Due to interest rate resets on its loans, the company expects its weighted average interest rate to decline to 8.15%.
- Capex: TPW has revised its capex guidance for FY21. For License Distribution business, the revised capex now stands at ~INR12-12.5b (against previous est. of INR15b) and is ~INR3.5b for Franchisee Distribution.
- Renewable projects:
 - SECI has not agreed to an extension for TPW's SECI-V project (115MW). Accordingly, TPW has taken a provision of INRO.5b for the same.
 - The company is also not looking at bidding for new renewable projects.
- Distribution franchise: TPW received Shil, Mumbra and Kalwa regions on 1st Mar'20. However, with the onset of COVID-19, there was a sharp rise in AT&C losses at the circle leading to an impact of INR0.2b. TPW has noted that every 1% reduction in T&D at the circle loss leads to a benefit of INR650m.
- Drop in demand: TPW has noted a sharp demand decline for its DL and DF businesses on the back of COVID-19. However, it is hopeful of a recovery in demand during May-Jul'20.

Valuation and view

- COVID-19 is likely to impact TPW's distribution business in the near term. However, from a medium-term perspective, TPW's story remains intact. A healthy balance sheet along with recent debt repayments would help it to tide over this wave. Furthermore, low LNG prices and the recent off-take of UnoSugen PPA have improved the outlook for its gas plants. While the Unosugen PPA has a ceiling on the cost of supply (INR5.6/kWh), current spot contract prices provide significant cushion.
- Potential non-commissioning of RE projects has led to uncertainties; however, bank guarantees (in the case of SECI-III) has provided cushion. In turn, strong CF generation and lower RE capex has led to debt repayment.
- While FY21 earnings could be dented due to impact on the DF business and lower merchant sales, we expect a recovery in FY22E. Continued capitalization within regulated distribution, reducing T&D losses within distribution franchise and debt repayment would aid this. Besides, TPW remains well poised to capitalize on opportunities from the privatization of distribution entities. Maintain Buy with an SOTP-based TP of INR351.

LNG prices have been on a downward trend. This provides significant cushion with respect to the ceiling for UnoSugen PPA

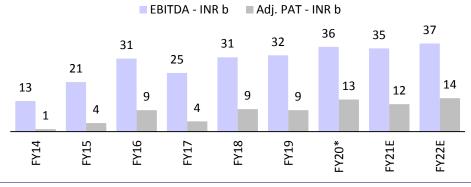
Exhibit 3: JKM LNG Futures (USD/mmbtu)



Source: Bloomberg, MOFSL

Exhibit 4: TPW EBITDA and PAT

We expect Adj. PAT to decline 14% in FY21 on the back of lower volumes in distribution business – partly offset by full effect of UnoSugen PPA and continued capex in the regulated distribution business



We build in a 22% increase in PAT for FY22E on improved power demand and continued debt repayment

Note: *FY20 PAT has been adjusted for INR8.3b of one-time deferred tax credit and INR10b of provision for DGEN

Source: Company, MOFSL

Financials and Valuations

Income Statement							(II)	IR Million)
Y/E Mar	2015	2016	2017	2018	2019	2020	2021E	2022E
Net Sales	103,960	117,158	100,536	115,121	131,510	136,406	136,769	139,790
Change (%)	19.8	12.7	-14.2	14.5	14.2	3.7	0.3	2.2
EBITDA	20,799	30,616	24,603	31,171	31,995	35,561	34,914	36,917
EBITDA Margin (%)	20.0	26.1	24.5	27.1	24.3	26.1	25.5	26.4
Depreciation	7,205	9,157	10,059	11,315	12,265	13,043	13,558	13,859
EBIT	13,594	21,459	14,544	19,856	19,730	22,518	21,356	23,058
Interest	9,623	11,308	10,580	8,482	8,989	9546	8,010	6,660
Other Income	3,662	2,819	1,909	2,636	1,896	1776	1,821	1,835
Extraordinary items	-230	-74	0	0	0	-10,000	0	0
PBT	7,404	12,896	5,873	14,010	12,636	4,748	15,167	18,233
Tax	3,777	3,874	1,576	4,489	3,598	-7,040	3,640	4,376
Tax Rate (%)	51.0	30.0	26.8	32.0	28.5	-148.3	24.0	24.0
Min. Int. & Assoc. Share	30	20	8	98	49	47	8	8
Reported PAT	3,597	9,002	4,290	9,423	8,989	11,789	11,527	14,030
Adjusted PAT	3,367	8,928	4,290	9,423	8,989	13,458	11,519	14,021
Change (%)	219.9	165.2	-52.0	119.7	-4.6	50.0	-14.4	20.2
Balance Sheet							(IN	IR Million)
Y/E Mar	2015	2016	2017	2018	2019	2020	2021E	2022E
Share Capital	4,725	4,806	4,806	4,806	4,806	4,806	4,806	4,806
Reserves	60,832	59,898	64,115	72,389	84,896	86,729	95,124	106,021
Net Worth	65,557	64,705	68,921	77,195	89,702	91,535	99,930	110,827
Debt	93,547	85,148	87,681	92,981	97,152	89,000	79,000	65,000
Deferred Tax	8,579	13,061	13,363	14,799	15,654	5,528	5,988	6,547
Total Capital Employed	167,990	163,215	170,255	185,334	202,882	186,420	185,283	182,748
Gross Fixed Assets	186,848	160,461	187,266	209,170	222,767	231,364	240,372	248,080
Less: Acc Depreciation	36,065	9,166	19,226	30,463	42,628	55,671	69,229	83,089
Net Fixed Assets	150,782	151,295	168,040	178,707	180,139	175,693	171,142	164,991
Capital WIP	2,330	2,133	3,321	3,925	3,593	5,676	5,676	5,676
Investments	0	0	0	0	0	1,160	1,160	1,160
Current Assets	43,112	42,590	36,625	43,258	61,809	53,702	54,980	58,781
Inventory	2,597	4,202	3,694	4,549	6,270	5,982	6,745	6,896
Debtors	8,924	10,570	9,751	11,305	12,297	12,798	13,115	13,409
Cash & Bank	23,732	12,856	9,336	9,982	9,549	8,879	9,077	12,433
Loans & Adv, Others	7,860	14,962	13,845	17,423	33,693	26,044	26,044	26,044
Curr Liabs & Provns	28,338	32,902	37,731	40,556	42,659	49,811	47,675	47,860
Curr. Liabilities	28,338	32,902	37,731	40,556	42,659	49,811	47,675	47,860
Provisions	0	0	0	0	0	0	0	0
Net Current Assets	14,775	9,687	-1,106	2,702	19,150	3,891	7,305	10,921
Total Assets	167,987	163,215	170,255	185,334	202,882	186,420	185,283	182,748

Financials and Valuations

Ratios								
Y/E Mar	2015	2016	2017	2018	2019	2020	2021E	2022E
Basic (INR)								
EPS	7.1	18.6	8.9	19.6	18.7	28.0	24.0	29.2
Cash EPS	22.4	37.6	29.9	43.1	44.2	55.1	52.2	58.0
Book Value	138.8	134.6	143.4	160.6	186.6	190.5	207.9	230.6
DPS	1.5	6.0	0.0	2.2	5.0	11.6	6.5	6.5
Payout (incl. Div. Tax.)	21.0	32.3	0.0	11.2	26.7	41.4	27.1	22.3
Valuation(x)								
P/E	22.9	12.5	25.8	11.7	15.4	10.9	12.7	10.5
Cash P/E	7.3	6.2	7.7	5.3	6.5	5.5	5.8	5.3
Price / Book Value	1.2	1.7	1.6	1.4	1.5	1.6	1.5	1.3
EV/EBITDA	7.1	6.0	7.7	6.2	7.1	6.4	6.2	5.4
Dividend Yield (%)	0.9	2.6	0.0	1.0	1.7	3.8	2.1	2.1
Profitability Ratios (%)								
RoE	6.0	13.9	6.4	12.9	10.8	14.9	12.0	13.3
RoCE	6.9	9.8	6.6	8.4	8.5	9.5	9.5	10.3
Turnover Ratios (%)								
Asset Turnover (x)	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.8
Debtors (No. of Days)	31	33	35	36	34	34	35	35
Inventory (No. of Days)	9	13	13	14	17	16	18	18
Creditors (No. of Days)	22	23	31	21	22	22	22	22
Leverage Ratios (%)								
Net Debt/Equity (x)	1.1	1.1	1.1	1.1	1.0	0.9	0.7	0.5
Cash Flow Statement							(IN	IR Million)
Y/E Mar	2015	2016	2017	2018	2019	2020	2021E	2022E
EBITDA	20,799	30,616	24,603	31,171	31,995	35,561	34,914	36,964
WC	3,759	-534	236	-922	-4,729	1,258	-3,215	-261
Others	-847	-1,412	385	586	-161	2,512	0	0
Direct taxes (net)	-1,197	-3,167	-1,056	-3,200	-2,859	-2,977	-3,180	-3,871
CF from Op. Activity	22,514	25,503	24,168	27,635	24,246	36,354	28,519	32,832
Capex	-12,575	-16,349	-21,745	-23,866	-19,887	-13,337	-9,008	-7,708
FCFF	9,939	9,155	2,423	3,769	4,359	23,017	19,511	25,124
Interest income	1,482	1,410	732	771	1,896	1,776	1,821	1,835
Investments in subs/assoc.	-13	-13	-16	-17	-19	0	0	0
Others	161	202	113	-763	1,066	20	0	0
CF from Inv. Activity	-10,945	-14,750	-20,916	-23,875	-16,944	-11,541	-7,187	-5,873
Share capital	0	0	0	0	0	0	0	0
Borrowings	-1,190	-8,055	2,442	5,276	4,175	-8,480	-10,000	-14,000
Finance cost	-11,694	-11,818	-10,334	-8,285	-9,076	-9,546	-8,010	-6,480
Dividend	-321	-3,442	-62	-1,310	-2,925	-10,798	-3,124	-3,124
Others	1,149	1,686	1,182	1,205	1,660	2,762	0	0
CF from Fin. Activity	-12,055	-21,629	-6,771	-3,114	-6,166	-26,062	-21,134	-23,604
(Inc)/Dec in Cash	-486	-10,876	-3,520	646	1,136	-1,249	198	3,356
Opening balance	24,218	23,732	12,856	9,336	9,982	9,549	8,879	9,077
Closing balance (as per B/S)	23,732	12,856	9,336	9,982	11,118	8,300	9,077	12,433

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 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.

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.

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

19 May 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 Wealth Management Ltd. (MOWML): PMS (Registration No.: INP000004409) is offered through MOWML, which is a group company of MOFSL. Motial 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.

8 19 May 2020