

March 18, 2020

# Oil prices, Corona to have adverse impact...

### Capital Goods - T&D, EPC & Product Companies

Companies like Larsen & Toubro and KEC with exposure to Middle East and North Africa (MENA) region are expected to get moderately impacted by the recent more than 30% fall in crude oil prices to US\$35/barrel. This is expected to impact overall orders/awarding from MENA region. Companies like Elgi Equipments, AIA Engineering, Thermax, Engineers India and Kalpataru Power with exposure to international geographies like Europe, Middle East, China for sales or essential raw material may get impacted. Accordingly, we have tried to factor in the additional risk and revised our estimates, target prices and ratings for respective companies.

## Oil price crash to impact companies exposed to Middle East

The recent fall in crude oil prices of more than 40% to US\$30/barrel is expected to impact overall orders/awarding from the MENA region owing to demand destruction fears amid excess supply. Companies like L&T and KEC with exposure to MENA region are expected to be moderately impacted. The Middle East region contributes ~13% to the order book and 14% to consolidated revenues of L&T. KEC International has exposure of ~₹ 2100 crore order book from MENA region, which is 9.5% of order book and 10% to revenue. However, Engineers India had around 25% overseas revenue in FY19 while 54% of 9MFY20 order inflow came in from overseas market.

# Corona to impact companies with international exposure

Total 42% of Kalpataru Power's order book, (mainly T&D) is exposed to international markets while more than 70% of AIA Engineering's revenue comes from exports markets. Rest of the world contributed 47% to Elgi Equipment's FY19 revenue mainly from Europe, US and Australia, which was substantially impacted and is facing a lockdown situation due to the ongoing Coronavirus situation. Total ~30-40% of Thermax' revenue comes from exports business with operational and sales exposure in countries like Denmark, Europe, Indonesia, etc, which could get impacted by disruption due to the Coronavirus outbreak across major economies globally.

### Valuation & Outlook

It is difficult to assess the real magnitude of the Coronavirus outbreak and oil price crash at the moment as it is yet to peak out. However, it is likely to have a negative impact on companies dependent on or with exposure to countries in Europe, Middle East and China with uncertainty in the near future posing higher risk. Accordingly, we have tried to factor in the additional risk and revised our estimates, target prices and ratings for companies like L&T, KEC, Kalpataru, Elgi Equipments, Thermax, AIA and Engineers India with operational and sales exposure to these geographies.

### **Key Highlights**

- The recent fall in crude oil prices of more than 40% to US\$30 per barrel is expected to impact overall orders/ awarding from MENA region
- The impact of Coronavirus outbreak and decline in crude oil prices will be negative for companies having dependence or exposure to countries in Europe, Middle East, China and uncertainty in near future posing higher risk
- Declining auto sales to affect demand from OEMs, thus impacting the profitability of bearing companies

#### **Research Analyst**

Chirag Shah shah.chirag@icicisecurities.com

Amit Anwani amit.anwani@icicisecurities.com

Adil Khan adil.khan@icicisecurities.com

### Revised targets: Capital Goods – T&D, EPC and Product companies

	Previous	Now			
Company	Target Price	Rating	СМР	Target Price	Rating
L&T	1740	Buy	976	1370	Buy
KEC	415	Buy	263	335	Buy
Thermax	1170	Hold	770	910	Buy
Kalpataru Power	570	Buy	249	285	Hold
AIA Engineering	1770	Hold	1540	1605	Hold
Elgi Equipment	230	Hold	160	180	Hold
Engineers India	105	Hold	56	52	Reduce

#### Capital Goods - Bearings, Defence

# Weak global macros to impact demand...

The Coronavirus continued to impact the global economy leading to a disruption in supply chain across industries including auto-ancillaries where demand is expected to have a negative impact, the quantum of which would be dependent on how the global macros pan out, going ahead. Accordingly, we revise and roll over our estimates to FY22E with revised target prices for our companies in the bearings space.

## Muted auto sales to impact bearing companies...

Monthly auto data showed a 19% decline in auto sales across various categories in February. The overall volatility in the environment has had a negative influence on consumer sentiment and demand. With visible challenges in the near term, the performance of the auto segment of the business for bearing companies is likely to get impacted in the short to medium term. We expect sluggish demand in the auto sector to remain a key overhang for bearing companies.

### Corona outbreak to hamper exports...

Exports are likely to suffer on account of the Coronavirus outbreak that has disrupted the global supply chain affecting economies in an unparalleled fashion. This outbreak is posing a serious risk to the global macro economy. Coupled with a fall in crude oil prices, this has further weakened the demand scenario. Spillover effects of Chinese production halt will be diverse across our capital goods coverage. Among our bearings coverage universe, NRB, SKF and Timken have ~23%, 10% and 20% share of exports in topline. Solar Industries has ~40% share of exports and overseas in the topline. We expect companies with a higher share of exports to get negatively impacted in the current scenario. However, the quantum of the impact can only be assessed in coming quarters.

Revised targets: Cap	ital Goods – Bearing, Defend	ce				
	Previous		Now			
Company	Target Price	Rating	СМР	Target Price	Rating	
SKF	1840	Reduce	1668	1500	Reduce	
Timken India	1020	Buy	873	1005	Buy	
NRB Bearings	90	Hold	68	70	Hold	
Solar Industries	1075	Reduce	1030	970	Reduce	

Source: ICICI Direct Research, Company

## Larsen & Toubro (L&T)

Currently, the Middle East region contributes ~13% to the order book and 14% to consolidated revenues of L&T. The international order book (including Middle East) contributes ~23% to the order book with exposure to Middle East, African countries, Bangladesh and Sri Lanka. The recent crude oil price crash by more than 30% to sub-US\$35 per barrel is expected to impact the future hydrocarbon ordering pipeline in the Middle East. Subsequently, it may have an adverse impact on order intake, order book, execution in Middle East, which could have a spiralling effect with an increase in working capital and receivables in the region amid economic slowdown, tight liquidity and vendor support. On the other hand, operations and revenue of IT subsidiaries of L&T (LTTS, MindTree, L&T Infotech) with exposure to Europe, US and China are likely to get impacted. Subsequently, we revise our estimates factoring in the additional risk. We revise our target price to ₹ 1370/share (standalone business at 17.0x FY21E EPS) and maintain BUY rating.

Exhibit 1: L&T Middle East Exposure			
Middle East Region	FY18	FY19	9MFY20
Middle East Revenue (₹ Crore)	24571.7	24394.2	14168
As % of Total revenue	20.5%	17.3%	14.0%
Middle East Order Book (₹ Crore)	44202	34037.5	39819
As % of Total Order book	16.8%	11.6%	13.0%
International order book (Incl. ME)	62500.0	63300.0	72600
International order book (Incl. ME) as % of Total OB	23.8%	21.6%	23.7%

Source: Company, ICICI Direct Research

xhibit 2: SoTP valuation of L&T							
Company (₹per share)	Bull case	% of total	Base Case	% of total	Bear Case	% of total	
Base Business	1226	67.4	1016.6	74.1	687.7	73.8	
L&T Finance Holdings	76	4.2	38	2.8	46	4.9	
L&T IT Subsidiaries	207	11.4	124	9.1	82.9	8.9	
L&T Power Development	18	1.0	11.5	0.8	7.7	0.8	
L&T MHI JV	13	0.7	7.6	0.6	5.7	0.6	
L&T IDPL	176	9.7	102.2	7.5	56.2	6.0	
Other E&C, MIP & E&E S	29	1.6	19.8	1.4	15.0	1.6	
Hydrocarbon	30	1.7	16	1.2	11	1.2	
Mindtree	43.0	2.4	35.3	2.6	20.2	2.2	
Total	1818	100.0	1371	100.0	932	100.0	

Source: Company, ICICI Direct Research

Particulars (₹ crore)	FY17	FY18	FY19	FY20E*	FY21E*	CAGR (FY19-FY21E)*
Net Sales	66,301.4	74,454.4	86,987.9	92,053.1	99,189.0	6.8%
EBITDA	6,425.2	7,407.7	8,498.6	9,131.5	9,722.2	7.0%
EBITDA Margin (%)	9.7	9.9	9.8	9.9	9.8	
Net Profit	5,453.8	5,387.1	6,677.9	8,507.9	8,298.2	11.5%
EPS (₹)	39.3	38.8	48.1	61.3	59.8	
P/ E (x)	24.8	25.1	20.3	15.9	16.3	
RoNW (%)	11.9	11.0	12.7	14.7	13.2	
RoCE (%)	9.2	10.6	11.8	11.6	11.4	

Source: Company, ICICI Direct Research, \* L&T standalone numbers Adjusting for E&A Business

#### **KEC International**

KEC International has exposure of ~₹ 2100 crore order book to the MENA region, which is 9.5% of the order book and 10% to revenue, which is likely to have an impact on the near term order intake and execution. Subsequently, the interest to sale, working capital may get impacted by the delay in execution or awarding in these markets. We revise our target price to ₹ 335/share, which is at 12x on FY21E EPS. We maintain **BUY** rating.

Exhibit 4: KEC's MENA and international exposure						
MENA Exposure	FY18	FY19	9MFY20			
MENA Revenue	1009	1100	-			
MENA as % of Total revenue	10%	10%	-			
Total order book (₹ Crore)	17298	20307	22011			
MENA Order Book (₹ Crore)	1383.8	1401.2	2100			
MENA order book as % of Total OB	8.0%	6.9%	9.5%			
International Order Book as % of Total OB	45%	50%	35%			

Source: Company, ICICI Direct Research

Exhibit 5: Key financial summary					
Particulars (₹ crore)	FY19	FY20E	FY21E	FY22E	CAGR (FY20-FY22E)
Net Sales	11,000.9	12,708.9	14,099.3	16,587.2	14.2%
EBITDA	1,149.7	1,324.0	1,460.5	1,713.9	13.8%
EBITDA Margin (%)	10.5	10.4	10.4	10.3	
Net Profit	494.2	639.8	721.0	900.5	18.6%
EPS (₹)	19.2	24.9	28.0	35.0	
P/ E (x)	13.8	10.6	9.5	7.6	
RoNW (%)	20.1	21.8	20.5	20.8	
RoCE (%)	24.8	24.4	24.1	24.7	

Source: Company, ICICI Direct Research

# Kalpataru Power

Total 42% of Kalpataru Power's (KPTL) order book, (mainly T&D) is exposed to international markets like Europe, Middle East, Americas, Australia, Africa and neighbouring countries. This could likely impact working capital, receivables, interest cost over the next year. Overall, delays in project awarding and execution are expected to impact the working capital management. We revise KPTL's target price to ₹ 285 per share (which is at 8.0x FY21E EPS) and revise our rating from BUY to **HOLD**.

Key risk: Project delays, slower order intake, working capital increase, 22.5% of the total shareholding is pledged by promoters (41% of 54.4% promoter holding is pledged) amounting to  $\sim ₹$  930 crore, which could pose liquidity issues amid weak domestic and global market conditions.

Exhibit 6: Valuation matrix	Total Value (₹	Per share		
	Basis of Valuation	Multiple		
	D. //-		crore)	value(₹)
Base Business	P/E	8.0x	3,887	251
JMC Projects	50% Holdco discount on market Cap	67.2% stake	271	18
Other JV's/Investment in BOOT projects	Equity Invested	0.4x	184	12
Investment in Linjemontage (85% Stake)	Book Value	0.4x	71	5
Total			4,341	285

Source: Company, ICICI Direct Research

Particulars (₹ crore)	FY18	FY19	FY20E	FY21E	FY22E	CAGR (FY20-FY22E)
Net Sales	5,741.1	7,115.1	8,400.0	8,701.9	10,610.4	12.4%
EBITDA	631.2	778.2	906.5	882.7	1,120.1	11.2%
EBITDA Margin (%)	11.0	10.9	10.8	10.1	10.6	
Net Profit	321.9	401.3	544.3	485.9	691.1	12.7%
EPS (₹)	21.0	26.1	35.2	31.4	44.7	
P/ E (x)	11.9	9.5	7.1	7.9	5.6	
RoNW (%)	11.6	12.7	13.9	11.5	14.1	
RoCE (%)	17.0	19.6	18.9	16.4	19.1	

#### **Thermax**

Total ~30-40% of Thermax' revenue comes from the exports business with operational and sales exposure in countries like Denmark, Europe, Indonesia, etc. This could get impacted by the disruption due to Coronavirus outbreak across major economies of the worlds. The order finalisation is likely to get delayed as customer enquiries have fallen or been postponed. Consequently, international order inflows may get impacted and would impact an already ailing order backlog. However, a strong balance sheet along with some improvement in margins would aid performance amid a challenging environment. We revise our target price to ₹ 910/share (which is at 26.5x FY21E EPS) and change our rating from HOLD to **BUY**.

Exhibit 8: Valuation Matrix			
	Parameter	Value	₹ Per share
Standalone	26.5x FY21E EPS	10,412	874
Equity Invested in Subsidaires	0.8x Equity	614	39
Total	Rounded off	11,026	911

Source: Company, ICICI Direct Research

Particulars (₹ crore)	FY17*	FY18*	FY19*	FY20E	FY21E	CAGR (FY19-FY21E)
Net Sales	3,841.7	3,867.9	5,175.4	6,130.2	6,161.2	9.1%
EBITDA	373.8	371.4	418.9	513.1	539.4	13.5%
EBITDA Margin (%)	9.7	9.6	8.1	8.4	8.8	
Net Profit	144.8	238.3	275.4	325.7	392.9	19.4%
EPS (₹)	12.2	20.0	23.1	27.3	33.0	
P/ E (x)	63.6	38.7	33.4	28.3	23.4	
RoNW (%)	8.9	9.9	11.2	10.9	12.0	
RoCE (%)	16.6	15.3	18.0	16.7	16.3	

Source: Company, ICICI Direct Research

### Elgi Equipments

The rest of the world contributed 47% to Elgi Equipment's FY19 revenue mainly from Europe, US, Australia, which was substantially impacted and is facing a lockdown situation due to the ongoing Coronavirus situation. Going ahead, international market slowdown substantially impacted the overall growth, which has already slowed due to the domestic slowdown in India. We revise our target price to ₹ 180/share (which is at 25x FY21E EPS of ₹ 7.2 per share) and maintain our **HOLD** rating.

Key risk: Cost overhang and delay in revival of India business

(₹ crore)	FY19	FY20E	FY21E	FY22E	CAGR (FY20-22E)
Revenue	1,863.5	1,910.1	2,034.2	2,298.7	9.7%
EBITDA	191.8	171.9	213.6	271.2	25.6%
EBITDA Margin (%)	10.3	9.0	10.5	11.8	
Net Profit	103.1	70.3	114.2	151.4	46.7%
EPS (₹)	6.5	4.4	7.2	9.6	
P/E (x)	24.6	36.0	22.2	16.7	
EV/EBITDA (x)	13.8	15.5	12.2	9.5	
RoCE (%)	13.8	10.6	14.2	17.2	
RoE (%)	13.4	9.1	13.6	16.2	
Growth	36.0	2.5	6.5	13.0	

<sup>\*</sup> Numbers till FY19 includes standalone business with Boiler & Heater business of Thermax which is now classified as discontinued operations from standalone and transferred to its subsidiary TBWES with effect from 1st October 2019 and hence will not be reflected in standalone numbers, instead will be reflected in consolidated numbers and therfore will not be comparable. Hence, we have changed our presentation of forward numbers to consolidated and valued accordingly.

## **Engineers India**

However, Engineers India had around 25% overseas revenue in FY19 while 54% of 9MFY20 order inflow came in from overseas market. We expect revenue and EBITDA growth to witness short-term moderation and margin stress due to higher contribution from the turnkey segment and likely slowdown in overseas consultancy market amid global crude oil price crash, which would impact the international and domestic hydrocarbon market and oil demand. We revise our target price to ₹ 52 per share (that is at 8.5x on FY21E EPS) and change our rating from HOLD to **REDUCE**.

Key risks: Any project related headwinds or delays in turnkey segment may further impact revenue growth.

Exhibit 11: Key financial su	ımmary					
(₹ crore)	FY18	FY19	FY20E	FY21E	FY22E	FY20-22E
Net Sales	1,788	2,444	2,895	2,823	3,190	
Revenue	1,788	2,444	2,895	2,823	3,190	5.0
EBITDA	413	366	411	353	478	7.9
Net Profit	378	370	408	386	520.6	12.9
EPS (₹)	6.0	5.9	6.5	6.1	8.2	
P/E (x)	9.4	9.6	8.7	9.2	6.8	
Price / Book (x)	1.6	1.6	1.5	1.5	1.4	
EV/EBITDA (x)	2.7	2.4	1.8	2.2	1.0	
RoCE (%)	23.2	21.3	22.3	18.2	22.3	
RoE (%)	16.7	16.3	17.5	16.1	20.8	

Source: Company, ICICI Direct Research

# **AIA Engineering**

More than 70% of AIA Engineering's revenue comes from exports markets, which could get impacted by the slowdown due to lockdown of several markets in Europe due to the Coronavirus outbreak amid the domestic economic slowdown. Some concerns already remain on AIA for its cautious stance and volume loss of 20000 MT to 25000 MT from a couple of mining customers abroad. Accordingly, working capital management may get impacted. We revise our target price to ₹ 1605 per share (which is at 25x FY21E EPS) and maintain our **HOLD** rating.

Exhibit 12: Key Financial Sum	mary					
Particulars (₹ crore)	FY17	FY18	FY19	FY20E	FY21E	CAGR (FY19-FY21E)
Net Sales	2,246.0	2,445.1	3,069.5	2,978.0	3,206.1	2.2%
EBITDA	634.7	535.7	660.4	684.3	735.4	5.5%
EBITDA Margin (%)	28.3	21.9	21.5	23.0	22.9	
Net Profit	457.2	443.6	513.2	595.7	582.1	6.5%
EPS (₹)	48.5	47.0	54.4	63.2	61.7	
P/ E (x)	31.8	32.7	28.3	24.4	25.0	
RoNW (%)	16.8	14.7	14.6	15.0	13.3	
RoCE (%)	22.7	18.4	18.8	17.6	16.4	

# **SKF**

Weakness in the domestic OEM segment is expected to take a toll on the auto segment amid disruptions in the global supply chain, which could negatively impact the industrial segment. The stock price has corrected by ~20% from our previous report wherein we iterate our **REDUCE** rating on the stock with a target price of ₹ 1840. We roll over our estimates to FY22E, to arrive at a revised target price of ₹ 1500.

Exhibit 13: Key Financial Summary								
	FY18	FY19	FY20E	FY21E	FY22E	CAGR FY20-22E		
Revenue (₹ crore)	2,750.4	3,034.5	2,970.1	2,974.2	3,036.6	1.1		
EBITDA (₹ crore)	434.8	485.9	412.8	419.4	431.2	2.2		
EBITDA margin	15.8	16.0	13.9	14.1	14.2			
Net Profit (₹ crore)	295.9	335.8	319.8	311.5	309.3	(1.7)		
EPS (₹)	57.6	67.9	64.7	63.0	62.6			
P/E (x)	28.9	24.6	25.8	26.5	26.7			
EV/EBITDA (x)	17.5	15.8	18.2	17.5	16.8			
RoCE (%)	23.7	29.4	22.3	19.9	18.1			
RoE (%)	16.1	19.8	16.5	14.5	13.1			

Source: Company, ICICI Direct Research

### Timken India

Timken India registered strong numbers for Q3FY20, albeit on the back of improved margins as well as on account of decent traction from the railways & export businesses. However, going ahead, we expect demand to remain muted. While there is still uncertainty about the quantum of impact of Covid-19 on the bearing industry, the most recent statistics as well as consumer sentiment point to a downturn. Thus, we roll over our estimates to FY22E to arrive at a target price of ₹ 1005/share with a **BUY** rating.

Exhibit 14: Key Financi	al Summary					
(₹ Crore)	FY18	FY19	FY20E	FY21E	FY22E	CAGR (FY20-22E)
Net Sales	1,234.0	1,664.4	1,795.6	1,885.4	2,074.0	7.5
EBITDA	163.3	288.6	348.4	380.9	427.2	10.7
EBITDA margin (%)	13.2	17.3	19.4	20.2	20.6	
Net Profit	92.0	148.6	195.2	210.1	252.3	13.7
EPS (₹)	13.5	19.8	25.9	27.9	33.5	
P/E (x)	64.5	44.2	33.6	31.2	26.0	
P/BV	8.5	4.9	4.3	3.8	3.4	
EV/EBITDA (x)	36.3	22.7	18.4	16.4	14.3	
RoCE (%)	18.9	15.7	18.1	17.3	17.0	
RoE (%)	13.1	11.1	12.8	12.2	12.9	

### **NRB Bearings**

NRB Bearings is expected to continue its muted performance due to weak sentiments in the auto sector amid constrained economic expansion. The overall volatility in the environment has had a negative influence on consumer sentiment and demand. While the long term outlook remains positive, there are clear challenges in the immediate short-term. We roll over our estimate to FY22E, to arrive at a revised target price of ₹ 70 per share with a HOLD rating.

Exhibit 15: Key Financial Summary									
(₹ Crore)	FY18	FY19	FY20E	FY21E	FY22E	CAGR (FY20-22E)			
Revenue	855.1	964.9	768.9	792.4	824.9	3.6%			
EBITDA	168.3	185.1	84.6	99.0	113.0	15.6%			
EBITDA margin (%)	19.7	19.2	11.0	12.5	13.7				
Net Profit	90.7	108.2	32.2	39.7	45.0	18.1%			
EPS (₹)	9.4	11.2	3.3	4.1	4.6				
P/E (x)	7.2	6.0	20.1	16.4	14.4				
EV/EBITDA	4.7	4.7	10.1	8.5	7.4				
RoCE (%)	26.7	21.0	8.9	9.7	10.6				
RoE (%)	24.0	19.5	6.6	7.7	8.3				

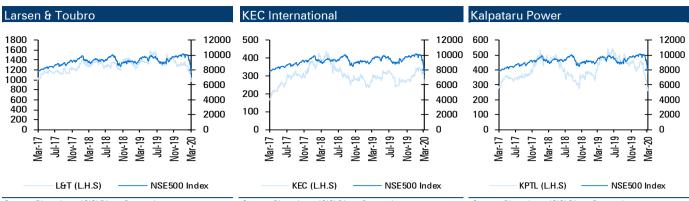
Source: Company, ICICI Direct Research

### Solar Industries

Exports and overseas form 40% share in the topline of Solar Industries. The recent fall in crude prices and overall weakness in global markets are expected to keep the explosive business muted. We trim down our estimates and revise our target price to ₹ 970 valuing the company at 28x FY21E EPS with a **REDUCE** rating on the stock.

	FY17	FY18	FY19	FY20E	FY21E	CAGR (FY19-21E)
Revenue	1,580.0	1,916.1	2,461.6	2,354.7	2,722.3	5.2%
EBITDA	323.9	411.6	501.9	489.8	571.7	6.7%
EBITDA margin (%)	20.5	21.5	20.4	20.8	21.0	
Net Profit	186.5	220.6	267.7	264.9	313.3	8.2%
EPS (₹)	20.6	24.4	29.6	29.3	34.6	
P/E (x)	50.0	42.3	34.8	35.2	29.7	
EV/EBITDA (x)	29.9	23.5	19.3	19.8	17.2	
RoCE (%)	20.4	21.8	23.8	23.1	24.4	
RoE (%)	20.1	20.3	21.6	21.4	24.1	

#### Exhibit 17: Price Charts



Source: Bloomberg, ICICI Direct Research

Source: Bloomberg, ICICI Direct Research

Source: Bloomberg, ICICI Direct Research



Source: Bloomberg, ICICI Direct Research

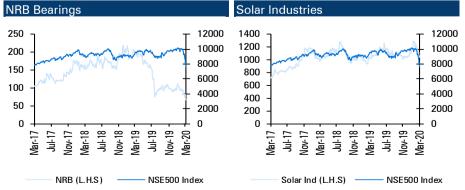
Source: Bloomberg, ICICI Direct Research



Source: Bloomberg, ICICI Direct Research

Source: Bloomberg, ICICI Direct Research

Source: Bloomberg, ICICI Direct Research



Source: Bloomberg, ICICI Direct Research

Source: Bloomberg, ICICI Direct Research

# **RATING RATIONALE**

ICICI Direct endeavours to provide objective opinions and recommendations. ICICI Direct assigns ratings to its stocks according to their notional target price vs. current market price and then categorizes them as Buy, Hold, Reduce and Sell. The performance horizon is two years unless specified and the notional target price is defined as the analysts' valuation for a stock

Buy: >15%

Hold: -5% to 15%;

Reduce: -15% to -5%;

Sell: <-15%



Pankaj Pandey

Head - Research

pankaj.pandey@icicisecurities.com

ICICI Direct Research Desk, ICICI Securities Limited, 1st Floor, Akruti Trade Centre, Road No 7, MIDC, Andheri (East) Mumbai – 400 093 research@icicidirect.com



#### ANALYST CERTIFICATION

I/We, Chirag Shah, PGDBM and Amit Anwani, MBA (Finance), Adil Khan, PGDM (Finance), Research Analysts, authors and the names subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect our views about the subject issuer(s) or securities. We also certify that no part of our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report. It is also confirmed that above mentioned Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months and do not serve as an officer, director or employee of the companies mentioned in the report.

#### Terms & conditions and other disclosures:

ICICI Securities Limited (ICICI Securities) is a full-service, integrated investment banking and is, inter alia, engaged in the business of stock brokering and distribution of financial products. ICICI Securities Limited is a SEBI registered Research Analyst with SEBI Registration Number – INH000000990. ICICI Securities Limited SEBI Registration is INZ000183631 for stock broker. ICICI Securities is a subsidiary of ICICI Bank which is India's largest private sector bank and has its various subsidiaries engaged in businesses of housing finance, asset management, life insurance, general insurance, venture capital fund management, etc. ("associates"), the details in respect of which are available on wwww.icicibank.com

ICICI Securities is one of the leading merchant bankers/ underwriters of securities and participate in virtually all securities trading markets in India. We and our associates might have investment banking and other business relationship with a significant percentage of companies covered by our Investment Research Department. ICICI Securities generally prohibits its analysts, persons reporting to analysts and their relatives from maintaining a financial interest in the securities or derivatives of any companies that the analysts cover.

Recommendation in reports based on technical and derivative analysis centre on studying charts of a stock's price movement, outstanding positions, trading volume etc as opposed to focusing on a company's fundamentals and, as such, may not match with the recommendation in fundamental reports. Investors may visit icicidirect.com to view the Fundamental and Technical Research Reports.

Our proprietary trading and investment businesses may make investment decisions that are inconsistent with the recommendations expressed herein.

ICICI Securities Limited has two independent equity research groups: Institutional Research and Retail Research. This report has been prepared by the Retail Research. The views and opinions expressed in this document may or may not match or may be contrary with the views, estimates, rating, and target price of the Institutional Research.

The information and opinions in this report have been prepared by ICICI Securities and are subject to change without any notice. 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 of ICICI Securities. While we would endeavour to update the information herein on a reasonable basis, ICICI Securities is under no obligation to update or keep the information current. Also, there may be regulatory, compliance or other reasons that may prevent ICICI Securities from doing so. Non-rated securities indicate that rating on a particular security has been suspended temporarily and such suspension is in compliance with applicable regulations and/or ICICI Securities policies, in circumstances where ICICI Securities might be acting in an advisory capacity to this company, or in certain other circumstances.

This report is based on information obtained from public sources and sources believed to be reliable, but no independent verification has been made nor is its accuracy or completeness guaranteed. This report and information herein is solely for informational purpose and shall 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. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. ICICI Securities will not treat recipients by virtue of their receiving this report. 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. The recipient should independently evaluate the investment risks. The value and return on investment may vary because of changes in interest rates, foreign exchange rates or any other reason. ICICI Securities accepts no liabilities whatsoever for any loss or damage of any kind arising out of the use of this report. Past performance is not necessarily a guide to future performance. Investors are advised to see Risk Disclosure Document to understand the risks associated before investing in the securities markets. Actual results may differ materially from those set forth in projections. Forward-looking statements are not predictions and may be subject to change without notice.

ICICI Securities or its associates might have managed or co-managed public offering of securities for the subject company or might have been mandated by the subject company for any other assignment in the past twelve months.

ICICI Securities or its associates might have received any compensation from the companies mentioned in the report during the period preceding twelve months from the date of this report for services in respect of managing or comanaging public offerings, corporate finance, investment banking or merchant banking, brokerage services or other advisory service in a merger or specific transaction.

ICICI Securities encourages independence in research report preparation and strives to minimize conflict in preparation of research report. ICICI Securities or its associates or its analysts did not receive any compensation or other benefits from the companies mentioned in the report or third party in connection with preparation of the research report. Accordingly, neither ICICI Securities nor Research Analysts and their relatives have any material conflict of interest at the time of publication of this report.

Compensation of our Research Analysts is not based on any specific merchant banking, investment banking or brokerage service transactions.

ICICI Securities or its subsidiaries collectively or Research Analysts or their relatives do not own 1% or more of the equity securities of the Company mentioned in the report as of the last day of the month preceding the publication of the research report

Since associates of ICICI Securities are engaged in various financial service businesses, they might have financial interests or beneficial ownership in various companies including the subject company/companies mentioned in this report.

ICICI Securities may have issued other reports that are inconsistent with and reach different conclusion from the information presented in this report.

Neither the Research Analysts nor ICICI Securities have been engaged in market making activity for the companies mentioned in the report

We submit that no material disciplinary action has been taken on ICICI Securities by any Regulatory Authority impacting Equity Research Analysis activities

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 ICICI Securities and affiliates 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.