

E Value Plus

Technical & Quant Update

10-Dec-19

Edition 1450

Trading Calls

TITAN	BUY	04th December 2019

Tradina Calla

Daily chart of stock reveals that demand is increasing and supply is diminishing. Formation of inverted Head & Shoulder pattern at lower levels is displaying trend reversal and creates buying opportunity at current juncture. As of now, sustainability of RSI above 9 DMA indicate surge on upside. Apart from this, declining histogram in MACD signals optimism, suggest upside move in the counter in coming session. BUY TITAN @ 1160-1170 AND ON DIP TOWARDS 1125-1135 SL- 1080 (CLOSING BASIS) TGT-1310, 1350

WIPRO BUY	04th December 2019
-----------	--------------------

The stock has witnessed a decent correction recently from the peak of 300 and took a halt near line of polarity while forming double bottom pattern on daily chart. RSI turned from oversold zone and MACD has indicated a reversal to maintain a positive bias which is showing potential to rise further in the coming days. With the chart looking attractive and decent volume participation witnessed, we recommend a buy around 238-234 and on dip towards 224-228 in this stock for an upside target of 260 & 270, keep a stop loss of 218 on closing basis.

ITC BUY 22nd November 2019

ITC has formed double top on daily scale and there after it has retraced almost 80% from there and finding support around 245. Stochastics is giving sign of reversal at current levels, volume is also supporting this setup. Hence we advice our client to accumulate ITC in the range of 250 to 244 and on decline towards 237-233 for the price targets of 264 and 274 with 218 as SL on closing basis.

LT BUY 15th November 2019

Since 24th Sep LT is falling corrective by time and price wise both. It has retraced almost 70% from recent meaningful top of 1551 in simple abc format. Rigt now its trading in wave c of 2 which is near completion. We see less downside threat in this counter, hence we advice our client to accumulate in the range of 1385-1365 and on decline towards 1330-1310 for the price targets of 1465 and 1510 with 1269 on closing basis as SL.

GRAPHITE BUY 04th November 2019

Weekly chart of Graphite reveals that demand is increasing and supply is diminishing. Rising line from lower levels is displaying trend reversal and creates buying opportunity at current juncture. Scrip formed strong base near 270-275 zone showing multiple support which augur well for the Bulls and indicate surge on upside . Apart from this, decreasing Histogram in MACD daily signals optimism, which further suggest upside move in the counter in coming sessions. Rising RSI above 9 EMA also support bullish move on upside We suggest to buy this scrip around 297-302 and on dip towards 270 for the target of 330 and 345 on upside.

Market	Value	% Change
SGX Nifty (at 8.00 am IST)	11975.00	0.09%
Nife. Marchanda Fau Tha March		

Nifty Key Levels For The Week

Support	S1: 11910	S2:11880
Resistance	R1:12000	R2 : 12070

Market Outlook

Index traded in the defined range with 40 odd point without any directional bias throughout the day. Index formed doji pattern on daily chart and defended our mentioned support of 11910 levels which reflect consolidation in near term. While doing moving average analysis, 100 SMA slipped below 200 SMA indicating loss of momentum in the medium term. Also index closed below 20 SMA which comes at 11980 levels. Long trade is only expected above 12070 levels followed by 12160 levels. If the Nifty50 declines below 11910- 11880 zone, then it can slide towards its 50 day simple moving average which stands at 11740 levels.

FII DERIVATIVES POSITION FOR 09-December-2019

	Net (Amt. in crs)
INDEX FUTURES	15
INDEX OPTIONS	683
STOCK FUTURES	667
STOCK OPTIONS	24

Institutional Turnover			
FII	Buy(cr.)	Sell(cr.)	Net(cr.)
09-Dec-19	4,186	3,727	459
Dec-19	28,979	32,378	(3,399)
DII	Buy(cr.)	Sell(cr.)	Net(cr.)
09-Dec-19	2,296	2,221	75
Dec-19	20,262	17,764	2,497

Sectoral Pe	rforman	ce (%)		
	1 Day	1 Week	1 Month	1 Year
Auto Components	0.35	(1.96)	(0.08)	(13.63)
Automobiles	0.83	(1.79)	(4.37)	(8.28)
Chemicals	0.17	(0.87)	(2.28)	10.91
Construction & Engineering	(0.14)	(3.51)	(7.35)	(7.95)
Construction Materials	(0.25)	(2.83)	(0.38)	6.47
Diversified Financial Services	0.67	(1.09)	(0.19)	17.56
Electrical Equipment	(0.35)	(2.47)	(6.72)	(8.55)
Energy	1.00	(1.36)	3.08	22.05
Financials	0.13	(1.55)	1.00	16.98
Health Care	(0.11)	(1.26)	2.47	0.17
Household Durables	(0.30)	0.79	(2.14)	12.39
Household & Personal Products	(0.62)	(1.91)	(4.42)	5.72
Information Technology	(1.57)	1.52	(2.41)	2.83
Metals/Mining/Minerals	0.30	(2.95)	(2.32)	(16.72)
Telecom	(0.21)	(3.75)	21.58	18.76
Utilities	0.82	(1.51)	(1.65)	0.49



Participant wise Open Interest In Equities Derivative (no. of contracts)

Long Position					
DII FII Pro Other					
Future Index	44609	72660	11797	126607	
Future Stock	14539	1010195	167376	825681	
Option Index Call	16482	142659	149609	642104	
Option Index Put	97240	268937	170543	509643	
Option Stock Call	0	13065	49201	324283	
Option Stock Put	0	16463	63533	139706	

Short Position				
	DII	FII	Pro	Other
Future Index	36053	83264	29298	107058
Future Stock	1115720	575266	89698	237107
Option Index Call	0	58184	265309	627361
Option Index Put	0	92795	216649	736919
Option Stock Call	303	17515	120253	248478
Option Stock Put	0	11628	56502	151572

High ES & High PS Stock Maintaining Strength

BSE Code	NSE CODE	1 Month Return %
500040	CENTURYTEX	24.6
532454	BHARTIARTL	20.0
500163	GODFRYPHLP	17.6
500307	NIRLON	17.1
532301	TATACOFFEE	14.3
533179	PERSISTENT	13.4
505355	NESCO	12.2
532210	CUB	11.4
532523	BIOCON	11.0
500008	AMARAJABAT	10.6

High ES & Low PS Stock Showing Strength

BSE Code	NSE CODE	1 Month Return %
532636	INDIAINFO	19.3
532430	BFUTILITIE	14.3
500003	AEGISCHEM	14.0
532922	EDELWEISS	13.8
506197	BLISSGVS	8.9
532296	GLENMARK	8.7
532187	INDUSINDBK	8.0
532622	GDL	7.6
500408	TATAELXSI	5.8
531795	ATULAUTO	5.0

Low ES & Low PS Stock Maintaining Weakness

BSE Code	NSE CODE	1 Month Return %
500111	THOMASCOOK	(47.3)
500219	JISLJALEQS	(39.5)
500101	ARVIND	(27.4)
500110	RPOWER	(27.1)
522275	CHENNPETRO	(26.1)
523756	ABAN	(22.9)
500645	ALBK	(19.6)
532480	WOCKPHARMA	(19.5)
532300	IFBIND	(18.2)
523204	IFCI	(18.1)

Low ES & High PS Stock Showing Weakness

BSE Code	NSE CODE	1 Month Return %
532915	RELIGARE	(23.4)
532259	APARINDS	(22.8)
531266	VSTTILLERS	(17.3)
500104	HINDPETRO	(14.3)
514162	WELSPUNIND	(13.6)
500710	AKZOINDIA	(13.5)
501425	BBTC	(12.9)
500085	CHAMBLFERT	(11.5)
505714	GABRIEL	(11.5)
533088	MHRIL	(10.3)

^{*} ES- Earning Score is average of EM (Earning Momentum defined as relative performance in terms of operating profit growth) and EQ (Earning Quality defined as relative balance sheet strength in terms of debt and working capital)

^{*} PS- Price Score is of a companiy is relative price performance in multiple time-frame

[#] Analysis shown here is only for companies with market cap more than Rs 1,000 Cr.



STDC / R25 Open Calls for 10-12-2019 (7)

				STD	C (7)				
No	Date	Type	Buy/Sell	Stock	Entry1	Entry2	SL	Tgt 1	Tgt 2
1	04-Dec-19	STDC	BUY	TITAN	1165	1130	1080	1310	1350
2	04-Dec-19	STDC	BUY	WIPRO	236	226	218	260	270
3	22-Nov-19	STDC	BUY	ITC	247	235	218	264	274
4	15-Nov-19	STDC	BUY	LT	1347.5	-	1269	1465	1510
5	04-Nov-19	STDC	BUY	GRAPHITE	299.5	282.5	270	330	345
6	10-Jul-19	STDC	BUY	GAIL	142.5	122.5	110	180	200
7	25-Jun-19	STDC	BUY	RECLTD	158	140	125	220	260





Nifty Weekly 9-Dec-19

VIEW

Domestic market plummeted on macro gloom and faced selling pressure as RBI disappointed the market participants on the area of rate cut and projection of slower growth rate. Major worry about the expanding fiscal deficit on the rise of crude oil prices as OPEC agreed to cut additional 500 k BPD from january. However, the progress in US CHINA tariff deal will boost the market. In coming week, market will largely mirroring the global market in absence of any major trigger. While long term trend is positive in the near term we could see some consolidation in coming sessions.

Technical Outlook-

- a) Appearance of Bearish Engulfing on weekly chart suggest index continue to move lower unless we see close above priors bar high
- b) Nifty witnessed selling pressure from the upward channel resistance line and failed to sustain at higher levels
- c) However, it can find support near the line of parity from where bounce back is expected
- d) We mentioned in our earlier report, "Recoiling of prices on upside can be expected till it holds above the levels of 11970 followed by 11910-11880 zone", we maintain the same.
- e) Immediate resistance stands at 12160 followed by 12300 levels.



	SUPPOF	RT & RESISTANCE LEVELS
	NIFTY LEVEL	JUSTIFICATION
Resistance 2	12300	Extension retracement
Resistance 1	12160	Immediate Resistance
Close	11921	
Support 1	11970	Previous resistance now become support
Support 2	11880	Line of Polarity
	•	

Narnolia Financial Advisors Limited | Market Strategy Desk





Banknifty Weekly

9-Dec-19

VIEW

After opening with a red session Banknifty fell to make a weekly low of 31250.65 on Friday and closed the week with a net loss of 2% over its previous week's close. PSU banking stocks were the main catalysts to drag the index lower (SBI lose 6.86%, PNB lose 8.3%, BOB lose 7.9% during the week).

OBSERVATIONS:

- 1) Banknifty is trading above 50, 100 and 200 DMAs.
- 3) RSI and Stochastic are giving some more profit booking signal.

According to the above observations it can be concluded that the short term trend of Banknifty is looking positive as the index is trading above all the major DMAs. Therefore 'Buy on Decline' strategy is advised in the Banknifty. The leading indicators like RSI and Stochastic have not yet reached at their oversold zone, so some more profit booking is likely on the current week. On the downward path Banknifty may find strong support at 30715.



Narnolia Financial Advisors Limited | Market Strategy Desk





USDINR Weekly

9-Dec-19

VIEW

Indian currency started this week on strong note but accommodative stance from RBI where they unchanged the repo rate at 5.15% had given a flip on downside but soon the news of progress in the trade talk helped rupee to retain its strength. Dollar index managed to break above 98.54 and failed to sustain above the same can also give support to rupee. We expect prices to tarde range bound as the uncertain tarde outcome and as investors are awaiting the next interest rate decision from the US FED. One can maintain sell in rise strategy for USDINR pair in this coming week.

TECHNICAL FACTORS-

- a) Prices gave breakdown from its symmetrical triangle pattern showing strength
- b) Bearish crossover in MACD also looking conducive for the strength in rupee
- c) As long as it sustains below 72.40-72.60 zone, bullish view on rupee will remain intact.
- d) On sustaining below 71.15 mark, it can sustain below 70.55 and 70.35 mark.



	SUPPORT
	USDINR LEVEL
Resistance 2	72.40
Resistance 1	71.8
Close	71.28
Support 1	71.15
Support 2	70.55

Narnolia Financial Advisors Limited | Market Strategy Desk





STDC: Long / BUY 4-Dec-19

BSE Code	500114	Buy Price
202 0000	50011.	24.5 11100
NSE Symbol	TITAN	Stop Loss
•	1200/070	•
52wk Range H/L	1389/869	Target Price1
Mkt Capital (Rs Cr)	104510	Target Price2
* ` ′	49119	
Av.Cash Volume(,000)	49119	Upside in Tgt1
Open Interest	NA	Upside in Tgt2
open muorest	1111	Cps160 m 1802



STDC- BUY TITAN @ 1160- 1170 AND ON DIP TOWARDS 1125-1135 SL- 1080 (CLOSING BASIS) TGT- 1310, 1350

Daily chart of stock reveals that demand is increasing and supply is diminishing. Formation of inverted Head & Shoulder pattern at lower levels is displaying trend reversal and creates buying opportunity at current juncture. As of now, sustainability of RSI above 9 DMA indicate surge on upside. Apart from this, declining histogram in MACD signals optimism, suggest upside move in the counter in coming session. BUY TITAN @ 1160- 1170 AND ON DIP TOWARDS 1125-1135 SL- 1080 (CLOSING BASIS) TGT- 1310, 1350





STDC: Long / BUY 4-Dec-19



STDC- BUY WIPRO @ 238-234 AND ON DIP TOWARDS 224-228 SL- 218 (CLOSING BASIS) TGT- 260 270

The stock has witnessed a decent correction recently from the peak of 300 and took a halt near line of polarity while forming double bottom pattern on daily chart. RSI turned from oversold zone and MACD has indicated a reversal to maintain a positive bias which is showing potential to rise further in the coming days. With the chart looking attractive and decent volume participation witnessed, we recommend a buy around 238-234 and on dip towards 224-228 in this stock for an upside target of 260 & 270, keep a stop loss of 218 on closing basis.

Narnolia®



STDC : Long / BUY	22-Nov-19
-------------------	-----------

BSE Code	500875	Buy Price
NSE Symbol	ITC	Stop Loss
52wk Range H/L	310/234	Target Price1
Mkt Capital (Rs Cr)	304,303.00	Target Price2
Av.Cash Volume(,000)	228228	Upside in Tgt1
Open Interest		Upside in Tgt2



STDC- BUY ITC @ 250-244 AND ON DIP TOWARDS 237-233 SL- 218 (CLOSING BASIS) TGT-264, 274

ITC has formed double top on daily scale and there after it has retraced almost 80% from there and finding support around 245. Stochastics is giving sign of reversal at current levels, volume is also supporting this setup. Hence we advice our client to accumulate ITC in the range of 250 to 244 and on decline towards 237-233 for the price targets of 264 and 274 with 218 as SL on closing basis.





STDC: Long / BUY 15-Nov-19

BSE Code	500510
NSE Symbol	LT
52wk Range H/L	1606.70/1202.30
Mkt Capital (Rs Cr)	168,208.00
Av.Cash Volume(,000)	
Open Interest	



BUY: LT BETWEEN 1385-1365 AND ON DECLINE TOWARDS 1330-1310 SL 1269 (on closing basis) TGT 1465, 1510

Since 24th Sep LT is falling corrective by time and price wise both. It has retraced almost 70% from recent meaningful top of 1551 in simple abc format. Rigt now its trading in wave c of 2 which is near completion. We see less downside threat in this counter, hence we advice our client to accumulate in the range of 1385-1365 and on decline towards 1330-1310 for the price targets of 1465 and 1510 with 1269 on closing basis as SL.





STDC: Long / BUY 4-Nov-19

BSE Code	509488
NSE Symbol	GRAPHITE
52wk Range H/L	1022/255
Mkt Capital (Rs Cr)	5845.55
Av.Cash Volume(,000)	454226
Open Interest	NA



STDC- BUY GRAPHIT @ 297-302 AND ON DIP TOWARDS 285-280 SL- 270 (CLOSING BASIS) TGT- 330, 345

Weekly chart of Graphite reveals that demand is increasing and supply is diminishing. Rising line from lower levels is displaying trend reversal and creates buying opportunity at current juncture. Scrip formed strong base near 270-275 zone showing multiple support which augur well for the Bulls and indicate surge on upside . Apart from this, decreasing Histogram in MACD daily signals optimism, which further suggest upside move in the counter in coming sessions. Rising RSI above 9 EMA also support bullish move on upside We suggest to buy this scrip around 297-302 and on dip towards 270 for the target of 330 and 345 on upside.

Narnolia®



STDC: Long / BUY 25-Jun-19

BSE Code	532955
NSE Symbol	RECLTD
52wk Range H/L	169/89
Mkt Capital (Rs Cr)	27066
Av.Cash Volume(,000)	33489
Open Interest	NA



STDC: BUY RECL AROUND 161-155 AND 138-142 SL 125 TARGET 220/260

Scrip is moving in a well defined ascending channel with multiple touch point and appears to be having a strong support around 138- 142 levels as it bounced back couple of time from the demand line. It also maintained its uptrend on the long term chart and is trading well above its short and long term moving averages(20/ 50 /200 DMA). The momentum oscillator, RSI is also favors the price pattern. One can accumulate the stock around 155 and lower around 138-142 zone for an upside target of 220/260 and a stop loss should maintain 125 closing basis.





STDC: Long / BUY 10-Jul-19

BSE Code	532155	Buy Price	140-145
NSE Symbol	GAIL	Stop Loss	
52wk Range H/L	200/144	Target Price1	
Mkt Capital (Rs Cr)	69467.46	Target Price2	
Av.Cash Volume(,000)	31955.03	Upside in Tgt1	
Open Interest	NA	Upside in Tgt2	



STDC BUY GAIL AROUND 140-145, ON DIP 120-125 SL 110(CLOSING BASIS), TARGET 180-200

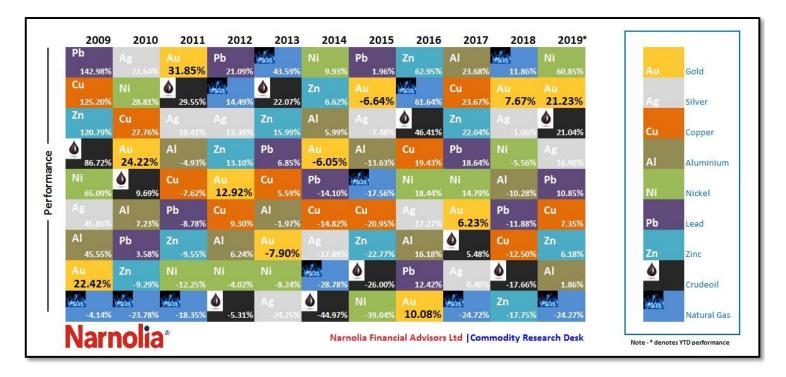
Weekly chart of GAIL reveals that demand is increasing and supply is diminishing. Channel support line from lower levels is displaying trend reversal and creates buying opportunity at current juncture. As of now, stock is taking support from its ascending triangle resistance line on monthly chart which augur well for the Bulls and indicate surge on upside . Apart from this, rising Histogram in MACD daily signals optimism, which further suggest upside move in the counter in coming sessions. BUY GAIL AROUND 140-145, ON DIP 120-125 SL 110(CLOSING BASIS), TARGET 180-200





Commodity Price Performance and Top Picks

25/10/2019



Top Picks for 2019-2020

NICKEL

Nickel prices has risen by more than 60% on worries over supply tightness after the Indonesia announced an export ban on nickel ore from Jan 2020, two years earlier than expected. Moving into next year, Nickel prices may remain supported at Rs 1100 levels and trade higher towards 1400 levels in 2020.

GOLD

MCX Gold prices have witnessed a surge of 21% since last Diwali on account of 15-month long trade tension leads to soft economic growth, monetary easing by the central banks, increasing investment demand from ETF and Central banks buying and Brexit uncertainty. Investors started to lock in gains starting June and in the span of four months gold prices rocketed 15% and made a high \$1566/oz.

U.S. Fed policy makers will review their stance at a meeting on Oct. 29-30 amid speculation that they are set to deliver a third consecutive interest rate cut. Currently even negative interest rates and easing monetary policy is unable to spur the economic activity to balance the Debt to GDP ratio. During the short term, Gold prices may face headwind due to trade optimism and higher bond yields however, for the long term, one must mandatorily add gold in their portfolio due to uncertainty over global economic outlook. We expect Comex Gold prices to test \$1,650 in the coming year 2020.





25/10/2019

CRUDEOIL

Crude oil prices are mainly supported by the efforts of OPEC members, same way as it helped falling oil prices in 2016 by introducing production cuts. Crude oil prices managed to rise 21% YTD despite record production from US and persistent demand worries.

OPEC+ nations have planned to discuss on reducing further production in the 5th Dec 2019 policy. This meeting will be deciding factor for the future direction of oil prices.



Lead Prices To Trades Below \$1800/tonne on Falling Demand

06-Aug-19

Last week, base metal prices were hit badly after US President Trump announced to impose additional tariffs on further \$300bn of Chinese imports stating that the 10% tariffs, due to take effect on 1 September which means it will tax all the Chinese imports. This states the trade war has reached on another level slowly damaging the health of the economy and thereby reducing the demand for industrial commodity.

Lead prices started to rise towards \$2100/tonne in June 2019 on the back of supply disruption and environmental crackdowns on smelters in China with additional support coming due to falling inventories. However, looking at the current scenario we believe this upside in prices is unlikely to sustain.

Looking at the demand supply scenario, global lead market shifted to surplus of 13,000 tonnes in May 2019 after showing a deficit of 31,000 tonnes in the month of April 2019. In the coming months, we believe this surplus will expand on account of fall in demand from the auto sector and lower manufacturing activity weakening demand for the metal worldwide.

Demand-Supply Scenario:

According to the ILZSG, the Group anticipates that global lead supply will exceed demand by 71,000 tonnes in 2019. The production is mainly anticipated to expand in China and Australia in 2019. China's lead production expanded 16.6 percent to 2.87 million tonnes in the first six months of 2019 according to the National Development and Reform Commission (NDRC).

	2016	2017	2018	2019*
Mine Production*	4689	4713	4671	4750
World Refined Production	11169	11589	11642	11940
World Refined Consumption	11141	11740	11721	11870
Surplus/Deficit	28	-151	-79	70
Source: ILZSG, Narnolia Research				(Figs in tonnes)

Current Scenario: Three days ago, Nyrstar announced that it has restarted the blast furnace at its Port-Pirie lead smelter in Australia after two months shutdown due to an unplanned outage in late May resulting into a production loss of around 30,000 tonnes. On the London Metal Exchange, the benchmark spread i.e. the difference between the cash price and that for three-month delivery remains at discount of \$13 per tonne. This shifted the current premium of Lead into discount.

Inventory: The rising LME inventory is a cause for concern for the traders. LME warehouses saw an inflow of 27,625 tonnes of lead in a span of one week, taking total LME lead stocks to a one-month high of 85,375 tonnes, although total LME Lead inventories are still down significantly from the 107,000 tonnes held at the start of the year.





Lead Prices To Trades Below \$1800/tonne on Falling Demand

06-Aug-19

Conclusion: The restart of lead plant, rising inventories and increasing production together are pushing the LME forward contract into contango pointing us towards slowing demand for the metal in the coming months. Also the global economy is expected to remain subdued due to rising trade worries between US and China. If the China retaliates with more tariffs on United States we believe LME Lead prices will fall towards \$1770 per tonne in the coming three month time frame. Therefore, one can follow sell on rise strategy in LME Lead at \$2040/tonne.

Narnolia Financial Advisors Ltd. is a SEBI registered Research Analyst having SEBI Registration No. INH300006500. The Company/Analyst (s) does/do not have any holding in the stocks discussed but these stocks may have been recommended to clients in the past. Clients of Narnolia Financial Advisors Ltd. may be holding aforesaid stocks.

The stocks recommended are based on our analysis which 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.

<u>Disclosures</u>: Narnolia Financial Advisors Ltd. (NFAL) (FormerlyMicrosec Capital Ltd.) is a SEBI Registered Research Analyst having registration no. INH300006500. NFALis engaged in the business of providing Stock Broking, Depository Participant, Merchant Banking, Portfolio Management & distribution of various financial products. Details of associate entities of NFAL is available on the website at www.narnolia.com

No penalties have been levied on NFAL by any Regulatory/Statutory authority. NFAL, it's associates, Research Analyst or their relative may have financial interest in the subject company. NFAL and/or its associates and/or Research Analyst may have beneficial ownership of 1% or more securities in the subject company at the end of the month immediately preceding the date of publication of the Research Report, NFAL 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 NFAL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report. Research Analyst may have served as director/officer, etc. in the subject company in the last 12 month, period, NFAL and/or its associates may have received compensation from the subject company in the past 12 months. In the last 12 months period ending on the last day of the month immediately preceding the date of publication of this research report, NFAL or any of its associates may have; a) managed or co-managed public offering of securities from subject company of this research report, b) received compensation for investment banking or merchant banking or brokerage services from subject company of this research report, c) received compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company of this research report, d) Subject Company may have been a client of NFAL or its associates during 12 months preceding the date of distribution of the research report. NFAL and it's associates have not received any compensation or other benefits from the Subject Company or third party in connection with the research report. NFAL and / or its affiliates may do and seek to do business including Investment Banking with companies covered in the research reports. As a result, the recipients of this report should be aware that NFAL 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. Research Analyst's views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of NFAL or its associates maintains arm's length distance with Research Team as all the activities are segregated from NFAL research activity and therefore it can have an independent view with regards to subject company for which Research Team have expressed their views.

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.

Disclosure of Interest Statement-

Analyst's ownership of the stocks mentioned in the Report	NIL

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

Correspondence Office Address: Arch Waterfront, 5th Floor, Block GP, Saltlake, Sector 5, Kolkata 700 091; Tel No.: 033-40541700; www.narnolia.com.

Registered Office Address: Marble Arch, Office 201, 2nd Floor, 236B, AJC Bose Road, Kolkata 700 020; Tel No.: 033-4050 1500; www.narnolia.com

Compliance Officer: Manish Kr Agarwal, Email Id: mkagarwal@narnolia.com, Contact No.:033-40541700.

Registration details of Company: Narnolia Financial Advisors Ltd. (NFAL): SEBI Stock Broker Registration: INZ000166737 (NSE/BSE/MSEI); NSDL/CDSL: IN-DP-380-2018; Research Analyst: INH300006500, Merchant Banking: (Registration No.: INM000010791), PMS: (Registration No.: INP000002304), AMFI Registered Mutual Fund distributor: ARN 3087

Registration Details of Group entities: G. Raj & Company Consultants Ltd (G RAJ)-BSE Broker INZ260010731; NSDL DP: IN-DP-NSDL-371-2014 || Narnolia Commerze Limited (Formerly Microsec Commerze Ltd.)-MCX/NCDEX Commodities Broker: INZ000051636 || NarnoliaVelox Advisory Ltd. - SEBI Registered PMS: INP000005109 || Eastwind Capital Advisors Pvt Ltd. (EASTWIND)-SEBI Registered Investment Adviser: INA300005439 || Narnolia Insurance Brokers Limited (Formerly Microsec Insurance Brokers Ltd.)-IRDA Licensed Direct Insurance Broker (Life & Non-Life) Certificate No. 134, License No. DB046/02 || Narnolia Securities Ltd. (NSL)-AMFI Registered Mutual Fund distributor: ARN 20558, PFRDA NPS POP: 27092018 || Narnolia Capital Advisors Pvt. Ltd. - BBI Registered NBFC:8.05.02568.

Disclaimer:

This report has been prepared by Narnolia Financial Advisors Ltd. (NFAL)and is meant for sole use by the recipient and not for public 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 NFAL. 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. 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 ircumstances. 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. 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. 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 cons

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 NFAL & its group companies to registration or licensing requirements within such jurisdictions.