



NIIT Technologies

Steady execution raises momentum for FY19

May 06, 2018

Madhu Babu madhubabu@plindia.com +91-22-66322300

Rating	BUY
Price	Rs1,028
Target Price	Rs1,140
Implied Upside	10.9%
Sensex	34,915
Nifty	10,618

(Prices as on May 04, 2018)

Trading data			
Market Cap. (Rs	bn)		61.9
Shares o/s (m)			60.2
3M Avg. Daily va	lue (Rs m)		1909.2
Major sharehold	lers		
Promoters			30.67%
Foreign			40.72%
Domestic Inst.			15.18%
Public & Other			13.43%
Stock Performan	ice		
(%)	1M	6M	12M
Absolute	18.5	58.2	115.0
Relative	12.8	54.6	99.1
How we differ fr	om Consens	sus	
EPS (Rs)	PL	Cons.	% Diff.
2019	55.6	53.5	3.9
2020	65.2	61.4	6.1

Price Performance (RIC: NITT.BO, BB: NITEC IN)



Source: Bloomberg

NIIT Tech's Q4FY18 results beat our estimates on Revenues, EBIDTA margin and PAT. This marks the fourth consecutive quarter of steady execution which raises momentum for FY19. Revenues at USD121.4mn were up 5.4% QoQ above our estimates (Ple: USD118.6mn). Constant currency growth for the quarter stood at 4.3% QoQ led by higher growth in Incessant and uptick in GIS business owing to seasonality. EBIDTA margin at 18% up 90bps QoQ was above our estimate (PLe: 17.5%). Adjusted EBIDTA Margin (excluding Forex hedge gains) stood at 17.4% for 4QFY18 up 130bps QoQ. Strong exit EBIDTA margin would also put NIIT Tech is sweet spot on the margin front for FY19. Mr Sudhir Singh (CEO of the company effective January 2018) has cited restructuring the business into a Vertical centric sales and delivery (vs Geography driven Sales earlier). Mr Sudhir also appointed new heads for the Insurance and BFS verticals and also cited improving incentive structure for Sales team to drive growth impetus. NIIT Tech also created a new service line to focus on Robotic Process Automation. Aided by strong deal momentum, NIIT Tech anticipates double digit revenue growth for FY19E in constant currency. NIIT tech also guided for YoY EBIDTA margin expansion for FY19.

NIIT Tech delivered 11.2% YoY USD revenue growth for FY18 (9.5% organic growth and rest owing to RuleTek acquisition). This marks a strong turnaround in revenue momentum in FY19 (We note that NIIT Tech' organic revenue growth was tepid over FY14-FY17). Led by strong outlook, we expect NIIT Tech USD revenue growth at 13.5/13.3% for FY19/FY20E (vs 11.5/12.3% modelled earlier). We are optimistic on the expansion in order book executable over next twelve months which stood at USD339mn up 5.9% YoY. Led by 4Q margin beat, we build EBIDTA margins at 17/17% for FY19/FY20E (vs 16.3/16.8% modelled earlier). We upgrade FY19/FY20E EPS by 6/5% for FY19E/FY20E led by growth and margin upgrade. Our EPS estimates are at Rs56/65/sh for FY19E/FY20E. NIIT Tech was our preferred midcap pick and stock was up 110% over past one year. NIIT Tech trades at 15.6x FY20E EPS (Mindtree/Hexaware trading at 21/17.5x FY20E EPS respectively). NIIT Tech has a robust vertical mix (Insurance, Travel and BFS) with marquee Top 20 clients. We believe increased aggression on sales can enable robust revenue momentum. Revise TP upwards by 30% to Rs1140/sh (17.5x FY20E EPS vs 14x FY20E EPS earlier). Retain BUY.

Key financials (Y/e March)	2017	2018	2019E	2020E
Revenues (Rs m)	28,021	29,915	33,803	38,172
Growth (%)	4.5	6.8	13.0	12.9
EBITDA (Rs m)	4,846	5,013	5,755	6,489
PAT (Rs m)	2,281	2,803	3,411	4,001
EPS (Rs)	37.1	45.7	55.6	65.2
Growth (%)	(18.8)	22.9	21.7	17.3
Net DPS (Rs)	12.5	15.1	16.7	19.5

Profitability & Valuation	2017	2018	2019E	2020E
EBITDA margin (%)	17.3	16.8	17.0	17.0
RoE (%)	14.0	15.3	16.0	16.0
RoCE (%)	14.3	16.0	16.3	15.8
EV / sales (x)	2.1	1.9	1.6	1.3
EV / EBITDA (x)	12.2	11.3	9.4	7.9
PE (x)	27.7	22.5	18.5	15.8
P / BV (x)	3.7	3.2	2.7	2.3
Net dividend yield (%)	1.2	1.5	1.6	1.9

Source: Company Data; PL Research

Prabhudas Lilladher Pvt. Ltd. and/or its associates (the 'Firm') does and/or seeks to do business with companies covered in its research reports. As a result investors should be aware that the Firm may have a conflict of interest that could affect the objectivity of the report. Investors should consider this report as only a single factor in making their investment decision.



Exhibit 1: Q4FY18: Consolidated P&L

(Rs m)	Q4FY18	Q3FY18	QoQ gr.	Q4FY17	YoY gr.	PLe	Var (PL VS ACTUAL)
Revenue (USDmn)	121.4	115.2	5.4%	108.2	12.2%	118.6	2.3%
Revenue	7888	7565	4.3%	7447	5.9%	7686	2.6%
EBITDA	1418	1296	9.4%	1524	-7.0%	1345	5.4%
EBITDA Margin	18.0%	17.1%	85 bps	20.5%	-249 bps	17.5%	48 bps
Adj. PAT	861	757	13.7%	1003	-14.2%	775	11.1%
EPS (Rs)	14.0	12.3	13.6%	16.3	-14.2%	12.6	11.1%

Source: Company Data, PL Research

- Revenues above our estimates: Revenues at USD121.4mn up 5.4% QoQ and above our ests (USD118.6mn). Constant currency growth at 4.3% for the quarter. Insurance vertical up 13.5% QoQ and Manufacturing vertical up 13.5% QoQ (Led by GIS) drove growth. NIIT Tech cited winning two new large deals in 4QFY18. Of this, one deal is with a net new client based in UK and this deal has a TCV of USD35mn.Management indicated that this deal involves back office Infrastructure Transformation.
- Despite 1Q being a seasonally weak quarter, NIIT Tech expects 1QFY19 revenues to better than 4QFY18 revenues in Constant currency.

USD revenues YoY Growth 125.0 121.4 20.0% 120.0 107.112.9 15.0% 115.0 110.0 103.0 101.6 101.6 104.3 10.0% 105.0 100.0 96.1 5.0% 95.0 90.0 0.0% 85.0 80.0 -5.0% Q1FY15 Q4FY15 Q1FY16 Q3FY16 Q4FY16 Q1FY17 Q1FY18 Q2FY17 Q3FY17 Q4FY17

Exhibit 2: Revenue (USD mn) and revenue growth YoY

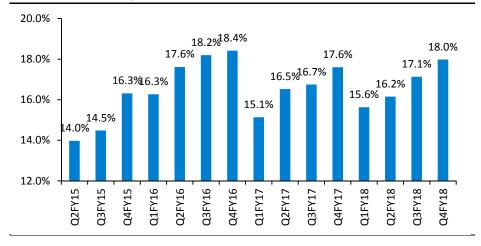
Source: Company Data, PL Research *Q4FY17 revenues is excluding settlement amount

Please note 4QFY17 one-off revenues which boosted PAT. Hence PAT show YoY decline in 4QFY18!



Margins beat estimates: Reported EBIDTA margin came at 18.0% up 90bps QoQ and above our ests (PLe: 17.5%). Improved revenue growth is also aiding margin trajectory.

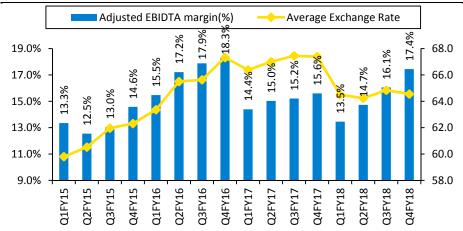
Exhibit 3: EBITDA Margin trend



Source: Company Data, PL Research

We note that NIIT Tech reports hedge gains in revenues. Excluding the same, Adjusted EBIDTA margin came at 17.4% up 130bps QoQ. NIIT Tech has shown steady improvement in adjusted EBIDTA margin over the past three consecutive quarters. <u>T</u>

Exhibit 4: Adjusted EBITDA Margins vs. Average Rupee dollar rate



Source: Company Data, PL Research

Headcount at the end of the quarter stood at 9423 employees which represents a net addition of 342 employees. Strong hiring in 4QFY18 could also indicate improved demand outlook. NIIT Tech's utilisation rate came at 79.5% up 50bps QoQ.

Exhibit 5: Utilization rates (%)

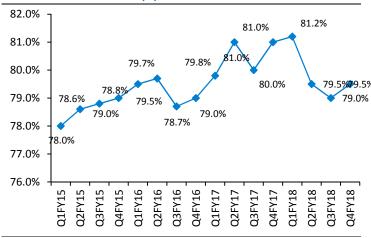
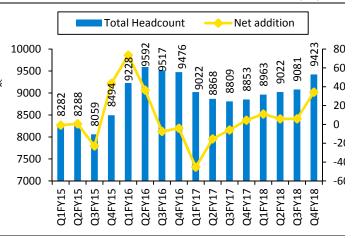


Exhibit 6: Total Headcount vs. net addition/deletion in employees

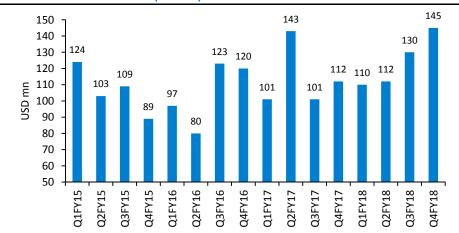


Source: Company Data, PL Research

Source: Company Data, PL Research

Order booking: Order book executable over next 12 months came at USD339mn up 3.0% QoQ and up 5.9% YoY. Fresh order intake for the quarter came at USD145mn (vs. USD130mn in 3QFY18).

Exhibit 7: Fresh Order Intake (USD mn)



Source: Company Data, PL Research

360 340 320 USD mn 300 280 260 240 Q2FY14 Q4FY14 Q4FY15 Q3FY16 Q4FY16 Q1FY17 Q2FY17 Q4FY17 Q1FY18 Q2FY18 Q3FY14 Q1FY15 Q2FY15 Q3FY15 Q1FY16 Q2FY16

Exhibit 8: Executable order book in the last few quarters (USD mn)

Source: Company Data, PL Research

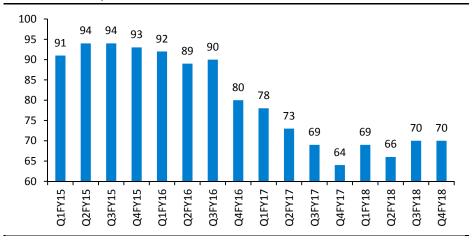
Exhibit 9: Geographical Break up of Fresh Order Intake (USD mn)

• •				•	•							
Fig in USD mn	1QFY16	2QFY16	3QFY16	4QFY16	1QFY17	2QFY17	3QFY17	4QFY17	1QFY18	2QFY18	3QFY18	4QFY18
USA	43	29	50	30	42	85	38	40	60	64	82	43
Europe	31	34	55	61	30	45	51	47	23	32	25	69
ROW	23	17	18	28	29	13	12	25	27	26	23	33
Fresh Order Intake	97	80	123	120	101	143	101	112	110	112	130	145

Source: Company Data, PL Research

■ **DSO's remains stable:** DSO remain unchanged at 70days for 4QFY18.

Exhibit 10: DSO days



Source: Company Data, PL Research



Concall Takes:

- Management cited that the growth in the quarter and improved order intake is aided by three elements: Structural Change in organisation (Vertical centric organization), Leadership Augmentation and Change in Sales Incentive Structure.
- NIIT Tech has made structural changes in the organisation into a vertical driven organisation from Geographic driven organisation earlier. Under new classification, organisation is split into three focused verticals- Travel, Insurance and BFS. NIIT Tech cited that Sales, Pre Sales and Delivery will be aligned to verticals from hereon.
- Management also cited that it has made leadership augmentation in top management level to drive growth. Insurance vertical will be headed by Mr Anurag Chauhan who was joined from Accenture. BFS vertical will now be headed by Mr Gautam Samanta who was earlier with Cappemini and Infosys. NIIT Tech also appointed a CTO to focus on new technology initiatives like BlockChain, lot and Cognitive computing etc.
- NIIT Tech expects positive demand across its three focused verticals (Insurance, BFS and Travel) in FY19. NIIT Tech also cited that budget outlook for FY19 is positive across its Top 20 accounts and is better than last year.
- NIIT Tech won two large deals won in the quarter. The first deal is with a new client based in UK. The deal has a TCV of USD35Mn and is a Managed Service Contract to drive back office Infrastucture transformation. The second deal is from an existing client based in USA client. The deal involves Robotic process management. Management cited that both these deals have a component of Digital.
- 7 new logos been added in 4QFY18- 3 in BFSI, 1 in Travel segment and 3 in Manufacturing/Media & others.
- Net cash on balance sheet stands at Rs 7.8bn as on 4QFY18. However, NIIT Tech expects Rs2.9bn for earnout based payments for Incessant and RuleTek acquisitions over FY19 and FY20. NIIT Tech declared final dividend of Rs15 per share for FY18.



Operating Metrics

Exhibit 11: Geography-wise revenues (%)

Geography Mix (%)	Q2FY16	Q3FY16	Q4FY16	Q1FY17	Q2FY17	Q3FY17	Q4FY17	Q1FY18	Q2FY18	3QFY18	4QFY18
Americas	46	46	45	48	49	48	48	49	50	50	48
EMEA	35	34	33	32	34	34	33	32	29	30	32
RoW	19	20	22	20	18	18	19	19	21	20	20

Source: Company Data, PL Research

Exhibit 12: Vertical-wise revenues (%)

Vertical Mix (%)	Q1FY16	Q2FY16	Q3FY16	Q4FY16	Q1FY17	Q2FY17	Q3FY17	Q4FY17	Q1FY18	Q2FY18	3QFY18	4QFY18
BFS	16	17	19	19	19	18	18	17	17	17	17	16
Insurance	21	21	21	22	23	24	24	25	25	25	26	28
Transport	37	36	32	32	33	32	31	29	29	27	27	26
Manu, Media, Others	26	26	28	26	25	26	27	29	29	31	30	30

Source: Company Data, PL Research

Exhibit 13: Service-wise revenues (%)

Service Mix (%)	Q3FY16	Q4FY16	Q1FY17	Q2FY17	Q3FY17	Q4FY17	Q1FY18	Q2FY18	Q3FY18	4QFY18
ADM	66	67	65	66	68	67	66	64	65	66
IP assets	9	8	8	7	7	7	6	7	7	7
Managed services	16	16	18	18	17	17	18	18	19	19
SI and PI	4	4	4	3	3	4	5	6	5	4
ВРО	5	5	5	5	5	5	5	4	4	4

Source: Company Data, PL Research

Exhibit 14: Headcount Metrics

Billable Personnel	Q2FY16	Q3FY16	Q4FY16	Q1FY17	Q2FY17	Q3FY17	Q4FY17	Q1FY18	Q2FY18	Q3FY18	4QFY18
Onsite	1,845	1,874	1,902	1,901	1,906	1,857	1,877	1,984	2,040	2018	2088
Offshore	7,008	6,910	6,841	6,374	6,203	6,180	6,189	6,164	6,156	6217	6500
Total Billable	8,853	8,784	8,743	8,275	8,109	8,037	8,066	8,148	8,196	8235	8588
Sales & Marketing (Excl GIS)	144	136	127	132	141	139	133	137	135	147	145
Sales & Marketing (GIS)	68	63	72	72	76	82	81	85	85	85	85
Others	527	534	534	543	542	551	573	593	606	614	605
Grand Total	9,592	9,517	9,476	9,022	8,868	8,809	8,853	8,963	9,022	9081	9423
Net addition /(Decline)	364	(75)	(41)	(454)	(154)	(59)	44	110	59	59	342

Source: Company Data, PL Research

May 06, 2018



Exhibit 15: Consolidated Financials snapshot of NIIT Tech

	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E
Revenues (USD mn)	375	388	383	408	411	457	518	587
Growth (%)	14.6%	3.4%	-1.2%	6.5%*	0.8%	11.1%	13.5%	13.3%
Average Exchange Rate (USD vs INR)	53.93	60.12	61.97	65.77	68.19	65.52	65.25	65
Consolidated Revenues (Rs mn)	20213	23047	23724	26824	28021	29915	33803	38172
Growth (%)	28.2%	14.0%	2.9%	13.1%	4.5%	6.8%	13.0%	12.9%
EBIDTA (Rs mn)	3296	3513	3456	4733	4846	5013	5755	6489
EBIT (Rs mn)	2729	2894	2540	3632	3570	3740	4472	5088
PAT (Rs mn)	2134	2305	1939	2801	2502	2803	3411	4001
EBIDTA Margins	16.3%	15.2%	14.6%	17.6%	17.3%	16.8%	17.0%	17.0%
EBIT Margin (%)	13.5%	12.6%	10.7%	13.5%	12.7%	12.5%	13.2%	13.3%
NPM (%)	10.6%	10.0%	8.2%	10.4%	8.9%	9.4%	10.1%	10.5%
EPS	35.53	38.13	31.90	45.82	40.75	45.65	55.55	65.05
Growth (%)	7.0%	7.3%	-16.3%	43.6%	-11.1%	12.0%	21.7%	17.1%
P/E	13.1	12.2	24.8	10.1	13.2	22.6	18.5	15.8
EV/EBIDTA	7.6	7.3	7.3	5.2	5.5	11.2	9.6	8.3
Consolidated Balance sheet (Rs mn)								
Net cash on Balance sheet (Rs mn)	3089	2710	3198	4038	6526	7028	7723	9284
Net Cash per share	51	45	52	66	106	114	126	151
Net cash per share / Stock Price	11.0%	9.6%	11.3%	14.2%	17.3%	11.1%	12.2%	14.7%
Consolidated Cash Flow (Rs mn)								
Cash Flow from Operations	2352	1452	3379	3602	4723	4377	4432	5011
Capex+ Acquisitions (Includes earnout payouts)	969	1399	1876	2959	873	1500	2500	2000
Free Cash flows	1383	53	1503	643	3850	2877	1932	3011

Source: Company Data, PL Research * Organic growth in FY16 is 1.7% YoY.



Statement	

Y/e March	2017	2018	2019E	2020E
Net Revenue	28,021	29,915	33,803	38,172
Employee Expenses	17,903	19,179	21,883	24,812
Gross Profit	10,118	10,736	11,920	13,360
Employee Cost	_	_	_	_
Other Expenses	5,272	5,723	6,165	6,871
EBITDA	4,846	5,013	5,755	6,489
Depr. & Amortization	1,276	1,273	1,283	1,401
Net Interest	_	_	_	_
Other Income	(62)	298	360	360
Profit before Tax	3,508	4,038	4,832	5,448
Total Tax	786	950	1,171	1,308
Profit after Tax	2,722	3,088	3,661	4,141
Ex-Od items / Min. Int.	(1)	285	250	140
Adj. PAT	2,281	2,803	3,411	4,001
Avg. Shares O/S (m)	61.4	61.4	61.4	61.4
EPS (Rs.)	37.1	45.7	55.6	65.2

Cash Flow Abstract (Rs m)

Y/e March	2017	2018	2019E	2020E
C/F from Operations	5,036	4,377	4,432	5,011
C/F from Investing	(3,063)	(1,500)	(2,500)	(2,000)
C/F from Financing	(669)	(1,118)	(1,237)	(1,450)
Inc. / Dec. in Cash	1,304	1,759	695	1,561

Balance Sheet Abstract (Rs m)

Y/e March	2017	2018	2019E	2020E
Shareholder's Funds	16,865	19,668	23,079	27,079
Total Debt	74	84	94	104
Other Liabilities	1,050	935	960	985
Total Liabilities	17,989	20,687	24,133	28,168
Net Fixed Assets	4,802	5,029	5,246	5,345
Goodwill	3,674	3,874	4,074	4,274
Investments	3,158	3,258	3,358	3,458
Net Current Assets	5,384	7,505	9,846	13,981
Cash & Equivalents	4,075	6,487	8,997	12,155
Other Current Assets	7,643	7,658	8,297	9,015
Current Liabilities	6,334	6,639	7,447	7,189
Other Assets	971	1,021	1,071	1,121
Total Assets	17,989	20,687	24,133	28,178

Quarterly Financials (Rs m)

Y/e March	Q1FY18	Q2FY18	Q3FY18	Q4FY18
Net Revenue	7,089	7,373	7,565	7,888
EBITDA	1,108	1,191	1,296	1,418
% of revenue	15.6	16.2	17.1	18.0
Depr. & Amortization	316	341	311	305
Net Interest	_	_	_	_
Other Income	58	87	5	148
Profit before Tax	850	937	990	1,261
Total Tax	295	204	163	288
Profit after Tax	513	672	757	861
Adj. PAT	513	672	757	861
C C D-1- D1	D			

Source: Company Data, PL Research.

Key Financial Metrics

Y/e March	2017	2018	2019E	2020E
Growth				
Revenue (%)	4.5	6.8	13.0	12.9
EBITDA (%)	2.4	3.4	14.8	12.8
PAT (%)	(18.6)	22.9	21.7	17.3
EPS (%)	(18.8)	22.9	21.7	17.3
Profitability				
EBITDA Margin (%)	17.3	16.8	17.0	17.0
PAT Margin (%)	8.1	9.4	10.1	10.5
RoCE (%)	14.3	16.0	16.3	15.8
RoE (%)	14.0	15.3	16.0	16.0
Balance Sheet				
Net Debt : Equity	(0.2)	(0.3)	(0.4)	(0.4)
Valuation				
PER (x)	27.7	22.5	18.5	15.8
P / B (x)	3.7	3.2	2.7	2.3
EV / EBITDA (x)	12.2	11.3	9.4	7.9
EV / Sales (x)	2.1	1.9	1.6	1.3
Earnings Quality				
Eff. Tax Rate	22.4	23.5	24.2	24.0
Other Inc / PBT	4.3	7.4	7.5	6.6
C C D-1- B1	0			

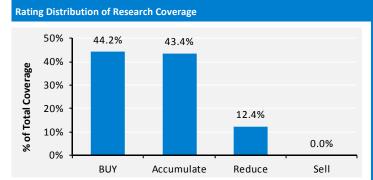
Source: Company Data, PL Research.



Prabhudas Lilladher Pvt. Ltd.

3rd Floor, Sadhana House, 570, P. B. Marg, Worli, Mumbai-400 018, India

Tel: (91 22) 6632 2222 Fax: (91 22) 6632 2209



PL's Recommendation Nomenclature

BUY : Over 15% Outperformance to Sensex over 12-months

Accumulate : Outperformance to Sensex over 12-months

Reduce: Underperformance to Sensex over 12-months

Sell : Over 15% underperformance to Sensex over 12-months

Trading Buy : Over 10% absolute upside in 1-month

Trading Sell : Over 10% absolute decline in 1-month

Not Rated (NR) : No specific call on the stock

Under Review (UR) : Rating likely to change shortly

DISCLAIMER/DISCLOSURES

ANALYST CERTIFICATION

We/I, Mr. Madhu Babu, BTech & PG MBA, 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.

Terms & conditions and other disclosures

Prabhudas Lilladher Pvt. Ltd, Mumbai, India (hereinafter referred to as "PL") is engaged in the business of Stock Broking, Portfolio Manager, Depository Participant and distribution for third party financial products. PL is a subsidiary of Prabhudas Lilladher Advisory Services Pvt Ltd. which has its various subsidiaries engaged in business of commodity broking, investment banking, financial services (margin funding) and distribution of third party financial/other products, details in respect of which are available at www.plindia.com

This document has been prepared by the Research Division of PL and is meant for use by the recipient only as information and is not for circulation. This document is not to be reported or copied or made available to others without prior permission of PL. It should not be considered or taken as an offer to sell or a solicitation to buy or sell any security.

The information contained in this report has been obtained from sources that are considered to be reliable. However, PL has not independently verified the accuracy or completeness of the same. Neither PL nor any of its affiliates, its directors or its employees accepts any responsibility of whatsoever nature for the information, statements and opinion given, made available or expressed herein or for any omission therein.

Recipients of this report should be aware that past performance is not necessarily a guide to future performance and value of investments can go down as well. The suitability or otherwise of any investments will depend upon the recipient's particular circumstances and, in case of doubt, advice should be sought from an independent expert/advisor.

Either PL or its affiliates or its directors or its employees or its representatives or its clients or their relatives may have position(s), make market, act as principal or engage in transactions of securities of companies referred to in this report and they may have used the research material prior to publication.

PL may from time to time solicit or perform investment banking or other services for any company mentioned in this document.

PL is in the process of applying for certificate of registration as Research Analyst under Securities and Exchange Board of India (Research Analysts) Regulations, 2014

PL submits that no material disciplinary action has been taken on us by any Regulatory Authority impacting Equity Research Analysis activities.

PL or its research analysts or its associates or his relatives do not have any financial interest in the subject company.

PL or its research analysts or its associates or his relatives do not have actual/beneficial ownership of one per cent or more securities of the subject company at the end of the month immediately preceding the date of publication of the research report.

PL or its research analysts or its associates or his relatives do not have any material conflict of interest at the time of publication of the research report.

 $PL\ or\ its\ associates\ might\ have\ received\ compensation\ from\ the\ subject\ company\ in\ the\ past\ twelve\ months.$

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

PL or its associates might have received any compensation for investment banking or merchant banking or brokerage services from the subject company in the past twelve months.

PL or its associates might have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company in the past twelve months

PL or its associates might have received any compensation or other benefits from the subject company or third party in connection with the research report.

PL encourages independence in research report preparation and strives to minimize conflict in preparation of research report. PL or its analysts did not receive any compensation or other benefits from the subject Company or third party in connection with the preparation of the research report. PL or its Research Analysts do not have any material conflict of interest at the time of publication of this report.

It is confirmed that Mr. Madhu Babu, BTech & PG MBA, Research Analysts of this report have not received any compensation from the companies mentioned in the report in the preceding twelve months

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

The Research analysts for this report certifies that all of the views expressed in this report accurately reflect his or her personal views about the subject company or companies and its or their securities, and no part of his or her compensation was, is or will be, directly or indirectly related to specific recommendations or views expressed in this report.

The research analysts for this report has not served as an officer, director or employee of the subject company PL or its research analysts have not engaged in market making activity for the subject company

Our sales people, traders, and other professionals or affiliates may provide oral or written market commentary or trading strategies to our clients that reflect opinions that are contrary to the opinions expressed herein, and our proprietary trading and investing businesses may make investment decisions that are inconsistent with the recommendations expressed herein. In reviewing these materials, you should be aware that any or all o the foregoing, among other things, may give rise to real or potential conflicts of interest.

PL and its associates, their directors and employees may (a) from time to time, have a long or short position in, and buy or sell the securities of the subject company or (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 subject company or act as an advisor or lender/borrower to the subject company or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.

DISCLAIMER/DISCLOSURES (FOR US CLIENTS)

ANALYST CERTIFICATION

The research analysts, with respect to each issuer and its securities covered by them in this research report, certify that: All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is or will be directly related to the specific recommendation or views expressed in this research report

Terms & conditions and other disclosures

This research report is a product of Prabhudas Lilladher Pvt. Ltd., which is the employer of the research analyst(s) who has prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and are not associated persons of any U.S. regulated broker-dealer and therefore the analyst(s) is/are not subject to supervision by a U.S. broker-dealer, and is/are not required to satisfy the regulatory licensing requirements of FINRA or required to otherwise comply with U.S. rules or regulations regarding, among other things, communications with a subject company, public appearances and trading securities held by a research analyst account.

This report is intended for distribution by Prabhudas Lilladher Pvt. Ltd. only to "Major Institutional Investors" as defined by Rule 15a-6(b)(4) of the U.S. Securities and Exchange Act, 1934 (the Exchange Act) and interpretations thereof by U.S. Securities and Exchange Commission (SEC) in reliance on Rule 15a 6(a)(2). If the recipient of this report is not a Major Institutional Investor as specified above, then it should not act upon this report and return the same to the sender. Further, this report may not be copied, duplicated and/or transmitted onward to any U.S. person, which is not the Major Institutional Investor.

In reliance on the exemption from registration provided by Rule 15a-6 of the Exchange Act and interpretations thereof by the SEC in order to conduct certain business with Major Institutional Investors, Prabhudas Lilladher Pvt. Ltd. has entered into an agreement with a U.S. registered broker-dealer, Marco Polo Securities Inc. ("Marco Polo").

Transactions in securities discussed in this research report should be effected through Marco Polo or another U.S. registered broker dealer.