

BHARAT HEAVY ELECTRICALS

ENGINEERING

BUY

Target Price: Rs 200

Q1 a miss; underlying thesis intact

Q1FY18 revenue was down 2% YoY at Rs 55 bn missing our/consensus estimate of Rs 59/60 bn. On low capacity utilization and Q1 being a lean quarter, the revenue miss resulted in EBITDA loss of Rs 883 mn vs. our estimate of breakeven quarter. Gross margin at 40% was up 300 bps YoY and in line with estimates. Higher other income (aided by FX gain Rs 2.2 bn) resulted in PAT at Rs 0.8 bn (up 4% YoY).

Q1 order inflow at ~Rs 18 bn was down 50% YoY and order backlog at Rs 1,014 bn was down 6%. However, **executable order backlog improved to Rs 618 bn (vs. Rs 570 bn YoY)**. Yadadri project has got environmental clearance in Q1 and should become executable in Q2, which would increase executable order backlog further to ~Rs 800 bn. Increase in executable backlog would drive strong execution in FY19.

CMP : Rs 127
Potential Upside : 58%

MARKET DATA

No. of Shares : 2,448 mn
Free Float : 37%
Market Cap : Rs 309 bn
52-week High / Low : Rs 183 / Rs 116
Avg. Daily vol. (6mth) : 6.0 mn shares
Bloomberg Code : BHEL IB Equity
Promoters Holding : 63%
FII / DII : 16% / 17%

Order pipeline remains strong: In the power segment, BHEL is L1 in ~5 GW (vs. ~2.6 GW in Mar'17) of orders worth ~Rs 250 bn. Further, it is participating in tenders worth ~3 GW. Given the **strong order pipeline and thrust on scrapping old plants, the management expects overall power market order inflow at 10-12 GW p.a.** In the industry segment, the medium-term growth will be driven by T&D products, railways, solar and defense sectors.

NTPC Patratu project (~Rs 120 bn) bidding not aggressive: Management explained that BHEL's bid price for this project was based on: 1) scope of the project; 2) land availability and condition of the site; 3) economies of scale as BHEL is currently executing similar order for 10 sets of 800 MW BTG units. We believe this order would be incrementally positive for earnings considering BHEL's large fixed overheads and low capacity utilization at <50%.

Maintain estimates; TP and BUY: We maintain FY18E/19E EPS at Rs 5.2/Rs 9.8. Our TP stands at Rs 200 (20x FY19E). We remain positive given the improvement in executable order backlog, strong order pipeline, thrust on scrapping of old plants and retrofit opportunity from emission norms.

Financial summary (Standalone)

Y/E March	FY16	FY17	FY18E	FY19E
Sales (Rs mn)	249,408	275,876	305,690	351,516
EBITDA (Rs mn)	(16,678)	11,009	19,713	34,236
Adj PAT (Rs mn)	(12,639)	4,959	12,679	24,042
Con. EPS* (Rs.)	-	-	5.3	7.5
EPS (Rs.)	(5.2)	2.0	5.2	9.8
Change YOY (%)	(188.4)	(139.2)	155.7	89.6
P/E (x)	(24.5)	62.4	24.4	12.9
RoE (%)	(4.1)	1.6	3.9	7.2
EV/E (x)	(12.6)	18.7	6.7	2.6
DPS (Rs)	2.0	3.0	3.0	3.0

Source: *Consensus broker estimates, Company, Axis Capital

Key drivers

(Rs bn)	FY17	FY18E	FY19E
Order inflow	235	427	538
Backlog	1,005	1,130	1,297
Margin	3.9%	6.3%	9.5%

Price performance

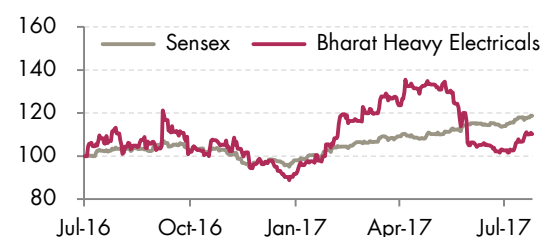
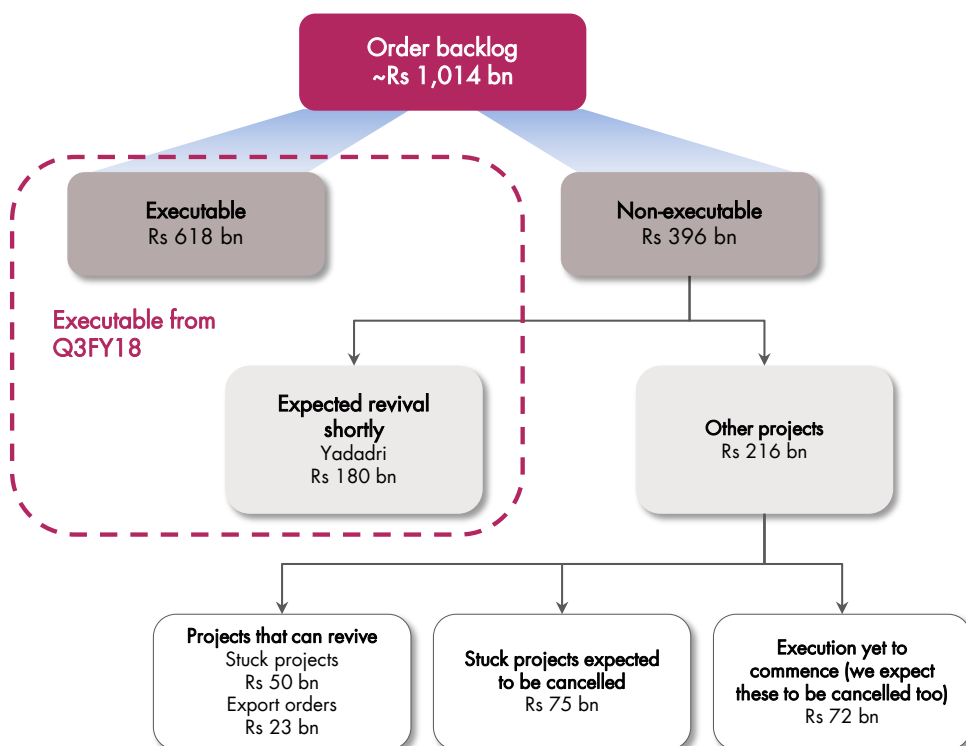


Exhibit 1: Results update

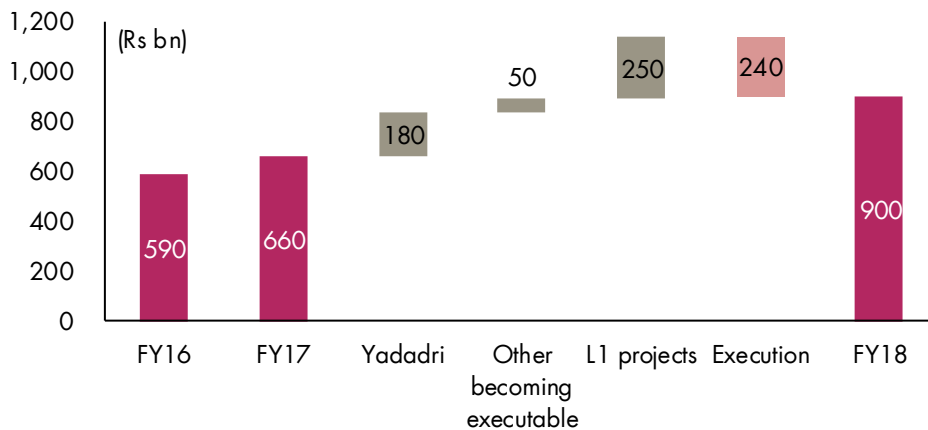
(Rs mn)	Quarter ended					12 months ended		
	Jun-17	Jun-16	% Chg	Mar-17	% Chg	FY18E	FY17	% Chg
Net Sales/Income form op	55,056	56,225	(2.1)	96,882	(43.2)	312,670	282,222	10.8
EBIDTA	(883)	230	(483.4)	6,509	(113.6)	19,713	11,009	79.1
Other income	4,622	2,493	85.4	1,452	218.2	10,344	7,264	42.4
PBIDT	3,739	2,723	37.3	7,961	(53.0)	30,057	18,273	64.5
Depreciation	2,001	2,182	(8.3)	2,139	(6.4)	8,438	8,488	(0.6)
Interest	657	57	1,063.2	3,136	(79.0)	3,506	3,506	0.0
PBT	1,080	485	122.6	2,686	(59.8)	18,113	6,278	188.5
Tax	272	188	45.0	530	(48.7)	5,434	1,320	311.7
Adjusted PAT	808	298	171.5	2,156	(62.5)	12,679	4,959	155.7
Extra ordinary income/ (exp.)	-	480	-	-	-	-	-	-
Reported PAT	808	778	3.9	2,156	(62.5)	12,679	4,959	155.7
No. of shares (mn)	2,448	2,448	-	2,448	-	2,448	2,448	-
EBIDTA margin (%)	(1.6)	0.4	(201.3)	6.7	-	6.3	3.9	61.6
PBIDT margin (%)	6.8	4.8	-	8.2	-	9.6	6.5	48.5
EPS (Rs.)	0.3	0.1	171.5	0.9	(62.5)	5.2	2.0	155.7

Source: Company, Axis Capital

Macro developments: Management highlighted four key macro developments that would significantly drive earnings. (1) Scrapping of old plants by NTPC and state utilities would expand size of BTG market to 12-15 GW pa from 8 GW currently; (2) Recent order of CEA of doing away with Joint Deed of Undertaking would drive expansion of BHEL's margin; (3) Recent cabinet approval for 10 nuclear power plants (2 expected to be awarded in FY18) for 700 MW each and (4) Expected ordering for FGD in 22 GW of NTPC's power plants.

Exhibit 2: Order backlog breakup


Source: Company, Axis Capital

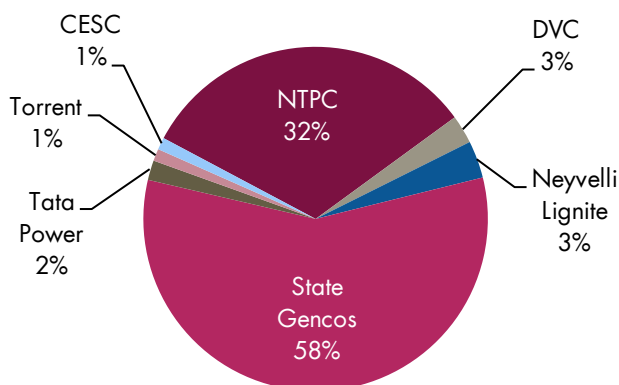
Exhibit 3: Executable order backlog to improve


Source: Company, Axis Capital

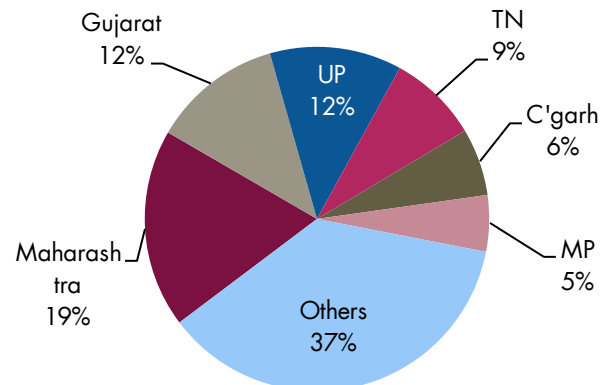
Scrapping of old plants to improve power market

CEA's recent draft national electricity plan projected no further requirement of thermal capacities over 2017-22. Management clarified that CEA has not considered replacement of old and inefficient 35 GW of capacities with new super critical ones. BHEL and other stakeholders have submitted their comments and final report is awaited. According to the management, replacement of scraped projects itself would lead to expansion of BTG market to 12-15 GW pa from ~8 GW pa currently. Refer page 12 of our report '[BTG market 3X in 3 years](#)' dated June 2016. Key developments on the scrapping of old plants and their replacement are as follows:

- ◆ NTPC constitutes about a third of the plants to be scrapped and the Ministry of Power recently issued a press release stating that NTPC would scrap 11 GW of its existing old plants and replace them with new on supercritical technology over next 5 years with an investment of ~Rs 500 bn (note: timeline defined) <http://pib.nic.in/newsite/PrintRelease.aspx?relid=155395>

Exhibit 4: 35 GW of old plants, bulk with NTPC and States


Source: Central Electricity Authority, Axis Capital

Exhibit 5: Among states, bulk with financially sound states


Source: Central Electricity Authority, Axis Capital

- ◆ **Financially sound State Electricity Boards (SEBs)** such as those of Maharashtra, Gujarat, Punjab and Chhattisgarh constitute **43%** of the State's project to be scrapped

- ◆ **UP**, one with a financially weaker SEB, has already **awarded new projects at 3 out of the 4 locations**. UP state has awarded projects at its Obra, Panki and Harduaganj sites, wherein old plants of 938 MW would be replaced with new plants totaling 2,640 MW
- ◆ Other states also joining the bandwagon
 - AP awarded a 800MW project to BHEL at Dr. N.TATA plant for replacing the old 420 MW
 - Maharashtra declared BHEL as L1 for 660 MW Bhusawal plant for replacing old 420 MW
- ◆ **Financially weaker SEBs** such as those of Jharkhand, Rajasthan, etc. **are selling their old sites to cash-rich NTPC for it to expand at that location**
 - Jharkhand state sold its old inefficient plant of 700 MW at Patratu site to NTPC to replace it with new plant
 - Rajasthan SEB has also sold its Chhabra power plant to NTPC which has an existing capacity of 1,000 MW and an under-construction capacity of 1,320 MW

Key enablers accelerating the pace of scrapping of old plants:

- ◆ Lower execution risk as land for main plant, rail link, water pipeline, transmission, etc. is in place
- ◆ Current situation wherein India has surplus availability of both power and coal
- ◆ Amendments to the coal linkage and tariff policies that allows states to retain its coal linkage and PPAs upon commencement of new expansion

Exhibit 6: Results of CEA study on old inefficient plants

(GW)	Old plants	To be retired	Further review	R & M/ Life extension	Proposed replacement
State	20.0	4.5	4.6	10.9	8.2
Center	12.8	1.6	-	11.2	2.0
Private	1.5	-	-	1.5	-
Total	34.3	6.1	4.6	23.6	10.2

Source: Central Electricity Authority, Axis Capital

Exhibit 7: Power plants identified for scrapping in CEA study

State	Plant	To be retired (MW)	Proposed replacement (MW)
Haryana	Panipat TPS	440	800
U.P.	Harduaganj	290	660
U.P.	Panki	210	660
U.P.	Obra	438	2x660
M.P.	Amarkantak	280	660
M.P.	Satpura	313	660
Maharashtra	Nasik	250	660
Maharashtra	Bhusawal Unit 2	63	660
Maharashtra	Paras Unit 2	63	660
Gujarat	Ukai	240	660
Telangana	Kothagudem & Ramagundem	783	800
Tamilnadu	Ennore	450	660
West Bengal	DPL	280	660
Central			
West Bengal	DVC Durgapur	350	660
Jharkhand	DVC Chandrapura	780	2x660
Total		5,228	10,180

Source: Central Electricity Authority, Axis Capital

Early signs of compliance with new emission norms and retrofitting orders to follow in FY18

The management highlighted that it is getting orders from its customers of under execution projects to change the layout design of boilers and expects to get additional orders for air pollution equipment to comply with emission norms. The management believes that it would get the orders on a nomination basis under change in scope clause of its contracts. BHEL has recently received order for Rs 7.5 bn and expect further orders worth ~Rs 15 bn in FY18.

We expect potential order value could be ~Rs 100 bn (15 GW @ Rs 6.5 mn/MW). According to the management, existing coal-based projects would require capex of ~ Rs 8 mn/MW, and some of large developers such as NTPC has requested for extension of timelines due to lack to proven technology of equipment to reduce NOx levels of high ash Indian coal. Note: in our report '[BTG market 3X in 3 years](#)', we have assumed implementation timeline of 8 years as against the mandated two years.

Few developments on retrofitting existing plants with FGDs and SCRs to comply with new emission norms are as follows:

- ◆ **NTPC issued pilot trial orders** to install Selective Catalytic Convertors (SCR) at its existing plants. Trial orders placed to GE Power India, Thermax-Babcock & Wilcox, L&T-Mitsubishi, and BHEL.
- ◆ **NTPC has invited tenders to install Flue Gas Desulphurization (FGD)** for some of its 'under construction' plants. Note that FGDs would constitute approx. 2/3rd of the USD 12 bn retrofitting capex.
- ◆ **While we had not anticipated private players to join, Reliance Power has invited tenders to install FGDs** at its 5.8 GW of 'existing plants'.

Exhibit 8: Market opportunity with new emission norms

	FY13-16	FY17	FY18	FY19
New equipment opportunity (GW)				
Re-bid - CY15 orders		7		
Pipeline for FY17-19		4	6	4
Re-powering scrapped plants		0	8	11
Total GW	10	10	14	15
Avg realization (Rs mn/MW)	25	32	32	32
New eqpt mkt (Rs bn)	250	327	433	469
New eqpt market (USD bn)	4	5	6	7
Retrofit opportunity (Rs bn)*				
FGD - existing plants		-	80	80
SCR - existing plants		-	11	11
FGD - under construction plants		19	79	79
SCR - under construction plants		8	35	35
Retro-fit market (Rs bn)		27	206	206
* assuming 5 years to comply rather than 2 yrs notified (Rs bn)				
Total market size (Rs bn)	250	355	639	674
Total market size (USD bn)	4	5	10	10

Source: Axis Capital

Financial summary (Standalone)

Profit & loss (Rs mn)

Y/E March	FY16	FY17	FY18E	FY19E
Net sales	249,408	275,876	305,690	351,516
Other operating income	7,828	6,346	6,980	7,678
Total operating income	257,235	282,222	312,670	359,194
Cost of goods sold	(168,754)	(174,052)	(184,164)	(209,097)
Gross profit	88,482	108,170	128,506	150,097
<i>Gross margin (%)</i>	<i>35.5</i>	<i>39.2</i>	<i>42.0</i>	<i>42.7</i>
Total operating expenses	(105,160)	(97,162)	(108,793)	(115,861)
EBITDA	(16,678)	11,009	19,713	34,236
<i>EBITDA margin (%)</i>	<i>(6.7)</i>	<i>4.0</i>	<i>6.4</i>	<i>9.7</i>
Depreciation	(9,356)	(8,488)	(8,438)	(8,729)
EBIT	(26,034)	2,520	11,275	25,507
Net interest	(268)	(3,506)	(3,506)	(3,506)
Other income	8,031	7,264	10,344	12,344
Profit before tax	(18,272)	6,278	18,113	34,346
Total taxation	5,633	(1,320)	(5,434)	(10,304)
<i>Tax rate (%)</i>	<i>30.8</i>	<i>21.0</i>	<i>30.0</i>	<i>30.0</i>
Profit after tax	(12,639)	4,959	12,679	24,042
Minorities	-	-	-	-
Profit/ Loss associate co(s)	-	-	-	-
Adjusted net profit	(12,639)	4,959	12,679	24,042
<i>Adj. PAT margin (%)</i>	<i>(5.1)</i>	<i>1.8</i>	<i>4.1</i>	<i>6.8</i>
Net non-recurring items	3,505	-	-	-
Reported net profit	(9,134)	4,959	12,679	24,042

Balance sheet (Rs mn)

Y/E March	FY16	FY17	FY18E	FY19E
Paid-up capital	4,895	4,895	4,895	4,895
Reserves & surplus	294,290	318,049	322,137	337,588
Net worth	299,185	322,944	327,032	342,483
Borrowing	1,263	896	896	896
Other non-current liabilities	-	-	-	-
Total liabilities	300,448	323,840	327,928	343,379
Gross fixed assets	132,980	137,795	143,478	147,478
Less: Depreciation	(93,348)	(101,836)	(110,274)	(119,003)
Net fixed assets	39,632	35,959	33,204	28,475
Add: Capital WIP	3,154	1,683	-	-
Total fixed assets	42,786	37,642	33,204	28,475
Total Investment	6,634	6,614	6,614	6,614
Inventory	96,374	73,724	83,751	96,306
Debtors	356,031	318,633	309,416	304,767
Cash & bank	100,860	104,918	177,963	219,720
Loans & advances	31,648	30,324	33,500	38,522
Current liabilities	335,105	288,462	318,195	352,952
Net current assets	251,029	279,584	288,109	308,289
Other non-current assets	-	-	-	-
Total assets	300,448	323,840	327,928	343,379

Source: Company, Axis Capital

Cash flow (Rs mn)

Y/E March	FY16	FY17	FY18E	FY19E
Profit before tax	(18,272)	6,278	18,113	34,346
Depreciation & Amortisation	9,356	8,488	8,438	8,729
<i>Chg in working capital</i>	<i>20,193</i>	<i>(24,497)</i>	<i>64,519</i>	<i>21,578</i>
Cash flow from operations	20,684	(7,544)	89,142	57,855
<i>Capital expenditure</i>	<i>(5,067)</i>	<i>(3,345)</i>	<i>(4,000)</i>	<i>(4,000)</i>
Cash flow from investing	(7,793)	(6,831)	(7,506)	(7,506)
<i>Equity raised/ (repaid)</i>	-	-	-	-
<i>Debt raised/ (repaid)</i>	<i>653</i>	<i>(367)</i>	-	-
<i>Dividend paid</i>	<i>(4,895)</i>	<i>(7,343)</i>	<i>(7,343)</i>	<i>(7,343)</i>
Cash flow from financing	(5,074)	(8,958)	(8,591)	(8,591)
Net chg in cash	7,816	(23,333)	73,045	41,758

Key ratios

Y/E March	FY16	FY17	FY18E	FY19E
OPERATIONAL				
FDEPS (Rs)	(5.2)	2.0	5.2	9.8
CEPS (Rs)	0.1	5.5	8.6	13.4
DPS (Rs)	2.0	3.0	3.0	3.0
Dividend payout ratio (%)	(53.6)	148.1	57.9	30.5
GROWTH				
Net sales (%)	(14.9)	10.6	10.8	15.0
EBITDA (%)	(167.5)	(166.0)	79.1	73.7
Adj net profit (%)	(188.4)	(139.2)	155.7	89.6
FDEPS (%)	(188.4)	(139.2)	155.7	89.6
PERFORMANCE				
RoE (%)	(4.1)	1.6	3.9	7.2
RoCE (%)	(5.8)	3.1	6.6	11.3
EFFICIENCY				
Asset turnover (x)	1.2	1.3	1.7	2.6
Sales/ total assets (x)	0.4	0.4	0.5	0.5
Working capital/ sales (x)	0.6	0.6	0.5	0.3
Receivable days	521.0	421.6	369.4	316.5
Inventory days	128.4	99.2	104.3	108.2
Payable days	294.1	224.3	244.7	259.7
FINANCIAL STABILITY				
Total debt/ equity (x)	-	-	-	-
Net debt/ equity (x)	(0.3)	(0.3)	(0.5)	(0.7)
Current ratio (x)	1.7	2.0	1.9	1.9
Interest cover (x)	(97.1)	0.7	3.2	7.3
VALUATION				
PE (x)	(24.5)	62.4	24.4	12.9
EV/ EBITDA (x)	(12.6)	18.7	6.7	2.6
EV/ Net sales (x)	0.8	0.7	0.4	0.3
PB (x)	1.0	1.0	0.9	0.9
Dividend yield (%)	1.6	2.4	2.4	2.4
Free cash flow yield (%)	0.1	-	0.3	0.2

Source: Company, Axis Capital

Disclosures:

The following Disclosures are being made in compliance with the SEBI Research Analyst Regulations 2014 (herein after referred to as the Regulations).

1. Axis Securities Ltd. (ASL) is a SEBI Registered Research Analyst having registration no. INH000000297. ASL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Depository participant services & distribution of various financial products. ASL is a subsidiary company of Axis Bank Ltd. Axis Bank Ltd. is a listed public company and one of India's largest private sector bank and has its various subsidiaries engaged in businesses of Asset management, NBFC, Merchant Banking, Trusteeship, Venture Capital, Stock Broking, the details in respect of which are available on www.axisbank.com.
2. ASL is registered with the Securities & Exchange Board of India (SEBI) for its stock broking & Depository participant business activities and with the Association of Mutual Funds of India (AMFI) for distribution of financial products and also registered with IRDA as a corporate agent for insurance business activity.
3. ASL has no material adverse disciplinary history as on the date of publication of this report.
4. I/We, authors (Research team) and the name/s subscribed to this report, hereby certify that all of the views expressed in this research report accurately reflect my/our views about the subject issuer(s) or securities. I/We also certify that no part of my/our compensation was, is, or will be directly or indirectly related to the specific recommendation(s) or view(s) in this report. I/we or my/our relative or ASL does not have any financial interest in the subject company. Also I/we or my/our relative or ASL or its Associates may have beneficial ownership of 1% or more in the subject company at the end of the month immediately preceding the date of publication of the Research Report. Since associates of ASL 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. I/we or my/our relative or ASL or its associates do not have any material conflict of interest. I/we have not served as director, officer or employee in the subject company.

Research Team

Sr. No	Name	Designation	E-mail
1	Hiren Trivedi	Research Associate	hiren.trivedi@axissecurities.in
2	Kiran Gawle	Associate	kiran.gawle@axissecurities.in

5. ASL or its associates has not received any compensation from the subject company in the past twelve months. ASL or its Research Analysts has not been engaged in market making activity for the subject company.

6. In the last 12-month period ending on the last day of the month immediately preceding the date of publication of this research report, ASL or any of its associates may have:

- i. Received compensation for investment banking, merchant banking or stock broking services or for any other services from the subject company of this research report and / or;
- ii. Managed or co-managed public offering of the securities from the subject company of this research report and / or;
- iii. Received compensation for products or services other than investment banking, merchant banking or stock broking services from the subject company of this research report;

ASL or any of its associates have not received compensation or other benefits from the subject company of this research report or any other third-party in connection with this report

Term & Conditions:

This report has been prepared by ASL 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 ASL. 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. ASL will not treat recipients as customers by virtue of their receiving this report.

DEFINITION OF RATINGS	
Ratings	Expected absolute returns over 12-18 months
BUY	More than 10%
HOLD	Between 10% and -10%
SELL	Less than -10%

Disclaimer:

Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to the recipient's specific circumstances. The securities and strategies discussed and opinions expressed, if any, 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 report may not be taken in substitution for the exercise of independent judgment by any recipient. Each recipient of this report 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 report (including the merits and risks involved), and should consult its own advisors to determine the merits and risks of such an investment. Certain transactions, including those involving futures, options and other derivatives as well as non-investment grade securities involve substantial risk and are not suitable for all investors. ASL, its directors, analysts or employees do not take any responsibility, financial or otherwise, of the losses or the damages sustained due to the investments made or any action taken on basis of this report, including but not restricted to, fluctuation in the prices of shares and bonds, changes in the currency rates, diminution in the NAVs, reduction in the dividend or income, etc. Past performance is not necessarily a guide to future performance. Investors are advised 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.

ASL and its affiliated companies, their directors and employees may; (a) from time to time, have long or short position(s) in, and buy or sell the securities of the company(ies) mentioned herein or (b) be engaged in any other transaction involving such securities or 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 investment banker, 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. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting this document.

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

Neither this report nor any copy of it may be taken or transmitted into the United State (to U.S. Persons), Canada, or Japan or distributed, directly or indirectly, in the United States or Canada or distributed or redistributed in Japan or to any resident thereof. If this report is inadvertently sent or has reached any individual in such country, especially, USA, the same may be ignored and brought to the attention of the sender. 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 ASL 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.

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. The Company reserves the right to make modifications and alternations to this document as may be required from time to time without any prior notice. The views expressed are those of the analyst(s) and the Company may or may not subscribe to all the views expressed therein.

Copyright in this document vests with Axis Securities Limited.

Axis Securities Limited, Corporate office: Unit No. 2, Phoenix Market City, 15, LBS Road, Near Kamani Junction, Kurla (west), Mumbai-400070, Tel No. – 18002100808/022-61480808, Regd. off.- Axis House, 8th Floor, Wadia International Centre, PandurangBudhkarMarg, Worli, Mumbai – 400 025. Compliance Officer: AnandShaha, Email: compliance.officer@axisdirect.in, Tel No: 022-42671582.