

## Asian Markets Securities Pvt. Ltd.

#### **Institutional Research**

CMP (Rs)	365
Target (Rs)	484

Nifty: 10,540; Sensex: 34,300

#### **Key Stock Data**

BSE Code	533281
NSE Code	TECHNO
Bloomberg Code	TEEC IN
Shares o/s mn (FV Rs 2)	112.7
Market Cap (Rs bn)	41.1
52-Week High / Low	439/312
3-M Daily Avg. Vol.	1,63,634

#### **Relative Performance**

(%)	1m	3m	12m
TEEC	(11.0)	(4.0)	(1.4)
NIFTY	(1.3)	2.1	19.9
SENSEX	(8.0)	3.0	21.1

#### **Shareholding Pattern**

(%)	Jun17	Sep17	Dec17
Promoter	58.8	58.8	58.8
FII	4.9	4.6	4.1
DII	17.8	17.5	18.1
Others	36.0	36.7	36.5

Amber Singhania amber.singhania@amsec.in +91 22 4343 5296

Suraj Sonulkar suraj.sonulkar@amsec.in +91 22 4343 5217

# **Techno Electric & Engineering Limited**

**BUY** 



Strong EBITM in EPC reported amid Lower sales due to GST.....

Techno Electric & Engineering Co Ltd. (TEEC) reported 3QFY18 results in line with our estimates with PAT of Rs434mn registering growth of 6.8% yoy. However consolidated revenue declined by 15.4% yoy at Rs 3.02bn, as EPC revenue declined by 15.4% yoy due to GST accounting and Power segment due to lower capacity yoy. Consolidated EBITDA declined by 2.0% yoy, whereas EBITDAM improved by 332bp, came in higher than our estimate mainly led by high EBITM in both EPC and wind segments. The current order book stands healthy at Rs24bn (1.8x book-to-bill) and has a strong bidding pipeline. The management continues to be positive on EPC segment in the medium term and guiding FY19 EPC revenue growth of 15% and EBITDAM will improve by 100bp. Further, it is targeting an order inflow of over Rs25 bn in FY19 owing to strong outlook from FGDs, Solar EPC Industrial capex and Power T&D. It has reduced its gross debt by ~Rs2bn in 3QFY18. Given the strong order book, high EBITDA margins, efficient working capital management, T&D assets and strong and consistent free cash flow generation, we believe the business continues to be attractive. We maintain BUY with TP of Rs484. We value TEEC on SOTP basis valuing EPC at 20x FY20E earnings (Rs415), wind business at DCF (Rs60) and the transmission BOT assets on the basis of BV (Rs9).

**3QFY18** revenue declined whereas EBITM improved due to GST accounting: Consolidated net sales stood at Rs 3.01bn declined by 15.4% yoy on the back of 15.4% decline in EPC segment. EPC sales decline primarily due to GST accounting. Consolidated EBITDA declined by 2.0% yoy to Rs 736mn in Q3FY18. EBITDAM improved by 332bp yoy to 24.4% yoy due to higher EPC and wind EBITM. Adjusted PAT stood at Rs434mn up by 6.8% yoy; due to lower interest. Cash utilized in repayment of ~Rs2bn of debt lead to lower other income. In 9MFY18, consolidated Sales decreased by 2.7% yoy to Rs6.68bn and EBITDM stand at 26.0%. APAT grew by 8.3% yoy to Rs1.73bn and PATM stand at 17.4%.

Segment Wise Performance in Q3FY18: EPC reported 15.4% yoy declined in EPC revenues due to accounting treatment of tax in GST impacting revenue by 10%+ negatively, While EPC EBITM improved by 290bp yoy to 18.0% Vs 15.1%, EBITM improved to certain extent because of GST along with efficiency improvement and project mix. Wind segment revenue in 3QFY18 is down by 15% yoy to Rs259mn, Revenue came in lower on account of lower capacity by selling 33MW of wind assets & impacted due to unexpected rain in Tamilnadu during Nov & Dec months. Corporate segment reported sales decreased by 64.6% yoy to Rs17mn, due to higher debt repayment impacting the cash balance. In 9MFY18, EPC revenue down by 1% to Rs8.45bn and EBITM improved by 116bp to 16.2%. Wind revenue down by 12.9% to Rs 1.23mn and EBITM stand at 68.1%.Company maintains its guidance of flat revenue in FY18, 15% in FY19 along with order inflow of over Rs25bn in FY19. It also expects EBITM to improve by 100bp yoy.

**Decent order book and pipeline:** TEEC firm order book orders stands at Rs24bn. The current order book reflects ~1.8x book-to-bill ratio suggesting visibility and growth in next two years. Management targeting over Rs25bn of order inflow in FY19; whereas FY18 may remain muted due to GST issues. We have factored in inflow of Rs17.9/18.8bn in FY19/20E. SEB order pipeline remains strong from states like Andra Pradesh, Tamilnadu, J&K, Rajasthan, MP & Orissa; apart from NTPC (FGD), PGCIL and private industry's firm inflow outlook.

New business opportunity to drive growth in long term: Apart from the regular orders in T&D from PGCIL and SEBs, TEEC is upbeat about new order inflows from Pollution control systems in Power Generation, Solar power EPC and industrial capex in refinery and aluminum space. In next 5 year; EPC T&D capex needed in country is Rs2.6tn and new emission control norms provide ~Rs1tn opportunity for SOX/NOX/ESP. Solar EPC is another growth area with NTPC floating tenders for ~133MW of solar plant. Management is Expecting order inflow of ~Rs10bn from new business opportunities in FY19.

**Outlook and Valuations:** We have conservatively factored in 10% revenue CAGR with 15% EBITM for EPC segment during FY17-20E, whereas for wind power we factored in a 24% PLF going forward. The stock is trading at 19.8x/16.8x/14.5x in FY18/19/20E respectively. Given the strong EPC business, one of the most efficient EPC players, sizable cash balance, new business opportunities, wind power assets and potential sale of the assets, value accretive BOOT assets in power T&D side and positive free cash flows; we remain positive on the business. We reiterate BUY with a SOTP PT of Rs484; valuing EPC at 20x FY20E earnings, wind business at DCF and the transmission BOT assets on the basis of BV.

Exhibit 1: Key Financials (Consolidated)

Exhibit 1: Key Financia	iis (Consoliaate	ea)			
Y/E Mar (Rs mn)	FY16	FY17	FY18E	FY19E	FY20E
Sales	10,972	13,567	13,443	14,788	17,389
yoy (%)	38.2	<i>23.7</i>	(0.9)	10.0	17.6
EBITDA	2,206	3,125	2,899	3,161	3,455
yoy (%)	4.3	41.6	(7.2)	9.1	9.3
Adjusted PAT	1,043	2,024	2,072	2,441	2,814
yoy (%)	10.8	61.3	9.1	17.8	<i>15.3</i>
Equity	114	228	225	225	225
EPS	10.3	18.0	18.4	21.7	25.0

**Exhibit 2: Key Ratios** 

Exhibit 2: Key Katios					
Y/E Mar	FY16	FY17	FY18E	FY19E	FY20E
EBITDAM (%)	20.1	23.0	21.6	21.4	19.9
NPM (%)	10.2	14.6	15.0	16.1	15.7
Adjusted PER (x)	70.5	20.2	19.8	16.8	14.5
P/BV (x)	2.2	3.7	3.4	2.9	2.5
EV/Sales (x)	2.1	2.9	2.7	2.3	1.9
EV/ EBITDA (x)	10.5	12.4	12.6	11.0	9.5
Core RoACE (%)	8.1	15.6	21.5	24.7	27.0
Core RoANW (%)	13.8	30.9	28.8	29.1	31.2

Source: Company, AMSEC Research



**Exhibit 3: Quarterly snapshot (Consolidated)** P&L (Rs mn) 3QFY17 4QFY17 1QFY18 2QFY18 3QFY18 yoy(%) 9MFY17 **9MFY18** yoy (%) qoq (%) **Net Sales** 3,563 3,619 4,123 2,542 3,015 (15.4)18.6 9,948 9,680 (2.7)2,745 2,793 33.7 6,579 6,258 Cons of Raw Materials 2,560 1,483 1,982 (22.6)(4.9)**Employee Cost** 76 97 82 103 94 23.9 (7.9)249 279 12.2 232 Other Expenditure 176 233 189 203 15.3 7.3 542 623 15.0 **Total Expenditure** 2,812 3,075 3,107 1,774 2,279 (18.9)28.5 7,370 7,160 (2.8)**EBITDA 751** 544 1,016 768 736 (2.0)(4.2)2,578 2,520 (2.3)Add: Other Income 49 70 114 109 17 (84.1) 188 240 28.0 (64.6)Interest 80 76 86 60 39 (51.2)(35.1)298 185 (38.0)133 398 Depreciation 110 106 106 106 (20.4)(0.5)318 (20.2)**Exceptional item** 233 (100.0) (100.0) (3) (3) **Profit Before Tax** 590 662 939 711 608 (14.4)2,073 2,258 8.9 3.1 **Provision for Taxation** 185 367 245 106 170 (8.0)60.0 470 522 11.2 **Reported PAT** 405 295 693 604 438 8.2 (27.5)1,603 1,736 8.3 Minority Interest Share of profit /loss of associates 4 37 (10)(3) (4) (4) (8) **Adjusted PAT** 407 429 690 601 434 6.8 (27.7)1,593 1,725 8.3 Equity Capital (FQ Rs 2) 228 228 225 225 225 228 225 Basic EPS (In Rs.) 3.5 2.6 6.2 5.4 3.9 14.0 15.4 Adjusted EPS (In Rs.) 3.6 3.8 6.1 5.3 3.9 13.9 15.3 30.2 25.9 26.0 EBITDA (%) 21.1 15.0 24.6 24.4 332bp (581bp) 12bp **PAT (%)** 12.7 13.1 18.1 26.9 16.6 387bp (1027bp) 15.7 17.4 168bp 23.1 Tax / PBT (%) 31.4 55.4 26.1 15.0 28.0 (338bp) 1301bp 22.7 47bp 71.8 75.9 67.7 58.3 (610bp) 66.1 64.6 Raw Mat / Net Sales (%) 65.7 742bp (149bp) Emp Cost/Net Sales (%) 2.1 2.7 2.0 4.0 3.1 99bp (90bp) 2.5 2.9 38bp

Source: Company, AMSEC Research

Other Exp/Net Sales (%)

**Exhibit 4: Quarterly segment (Consolidated)** 

4.9

6.4

5.6

7.4

6.7

179bp

(71bp)

5.4

6.4

99bp

Segment	3QFY17	4QFY17	1QFY18	2QFY18	3 <b>QFY</b> 18	yoy(%)	qoq (%)	9MFY17	9MFY18	yoy (%)
Revenue										
EPC (Construction)	3,258	3,572	3,681	2,014	2,756	(15.4)	36.9	8538	8452	(1.0)
Energy (Power)	304	47	442	528	259	(14.9)	(51.0)	1410	1228	(12.9)
Corporate	49	70	114	109	17	(64.6)	(84.1)	188	240	28.0
Total	3611	3690	4237	2651	3032	(16.0)	14.4	10136	9920	(2.1)
EBIT										
EPC (Construction)	491	494	604	266	495	0.9	85.9	1280	1365	6.7
Energy (Power)	130	(59)	307	395	135	3.6	(65.9)	903	837	(7.3)
Corporate	49	70	114	109	17	(64.7)	(84.2)	188	240	28.0
Total	670	505	1,024	771	647			2,370	2,442	3.0
Sales Growth (%, y-y)										
EPC (Construction)	4.2	11.0	59.3	-32.2	-15.4			23.3	-1.0	
Energy (Power)	685.4	14.4	10.8	(25.4)	(14.9)			79.0	-12.9	
Corporate	(71.9)	(73.1)	38.4	92.9	(64.6)			(33.0)	28.0	
EBIT Margin (%)										
EPC (Construction)	15.1	13.8	16.4	13.2	18.0	290bp	474bp	15.0	16.2	116bp
Energy (Power)	42.8	-125.2	69.5	74.9	52.1	933bp	(2277bp)	64.0	68.1	411bp
Corporate	99.8	100.0	100.0	100.0	99.4	(40bp)	(55bp)	99.9	100.0	3Ьр
ROCE (%)										
EPC (Construction)	24.1	25.1	28.7	11.5	19.5	(463bp)	797bp	62.8	53.6	(914bp)
Energy (Power)	1.3	-0.7	4.3	5.7	2.0	74bp	(364bp)	8.8	12.5	367bp
Corporate	3.0	3.2	3.4	3.1	0.5	(241bp)	(254bp)	11.3	7.6	(377bp)

Source: Company, AMSEC Research



### **Concall Highlights**

- Management expecting flat top line growth and 10-15% bottom line growth in FY18. EPC revenue will grow 15% and EBITDAM will improve by 100bp in FY19.
- Order book as on Dec 2017 stand at Rs24bn and order inflow for 9MFY18 stand at Rs12bn (include L1 of Rs3bn). Order Inflow guidance remains at Rs10-15bn for FY18 and Rs25bn for FY19. In FY19E, management expects ~Rs6-7bn order from FGD, Rs 6bn from African region, Rs2.5bn from industry and Rs 10bn from utilities & Solar segment.
- In 9MFY18, consolidated debt stand at Rs1.1bn Vs Rs3bn in FY17 and management expecting zero debt on consolidated basis by June 18. Cash & hand in 9MFY18 stand at Rs3.7bn.
- FGD opportunity; NTPC had recently floated 3 tenders namely Lot1A for 15GW plant (Bids submitted), Lot1B for 10GW plant (Bidding by March'18) and Khargaon for 1.3GW plant in Feb'18.
- Lot1A & Lot2B both have 7 packages each and one bidder can bid for maximum of 3 packages.
- SEB order pipeline strong from states like Andhra Pradesh, Tamilnadu, Jharkhand, Rajasthan, MP and Orissa.
- Unsold REC Inventory stand at Rs1,70,000 till Dec'18; Opening balance was at Rs3,55,000 units, REC generated during FY18YTD was 2,20,000 units and TEEC sold ~4,00,000 units.

**Exhibit 5: Yearly Segment Details** 

Exilial 5. Ically Segment Bell	4115				
EPC segment	FY16	FY17	FY18E	FY19E	FY20E
Closing orderbook	25937	25541	23268	27614	30142
Order intake	15830	11714	9957	17922	18819
Sales	10143	12109	12231	13576	16291
EBITDA	1436	1781	1781	2044	2453
EBITDA margin %	14.2	14.7	14.6	15.1	15.1
Other Income	375	258	350	400	550
Adjusted PAT	1278	1468	1643	1892	2337
Wind business	FY16	FY17	FY18	FY19	FY20
Installed capacity (MW)	163	163	130	130	130

Wind business	FY16	FY17	FY18	FY19	FY20
Installed capacity (MW)	163	163	130	130	130
Units, mn p.a	198	315	273	273	273
PLF (%)	13.9	22.1	24.0	24.0	24.0
Average tariff	4.05	4.62	4.44	4.44	4.02
Revenues	801	1458	1212	1212	1098
EBITDA	744	1344	1117	1117	1003
PAT	-81	436	429	549	477

Source: Company, AMSEC Research

February 12, 2018



**Exhibit 6: Quarterly revenue trend** 

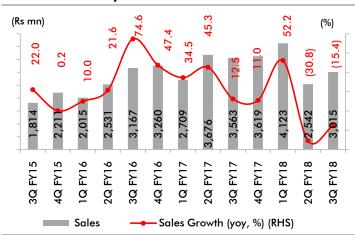
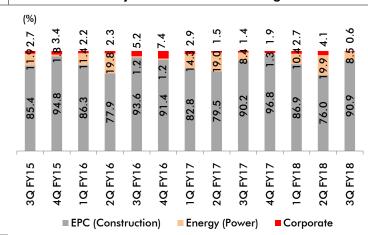
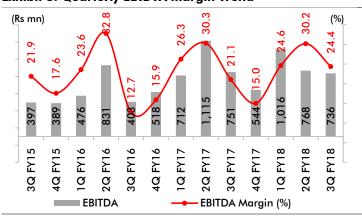


Exhibit 7: Quarterly revenue breakdown segment wise



**Exhibit 8: Quarterly EBIDTA margin Trend** 



**Exhibit 9: Quarterly profit trend** 

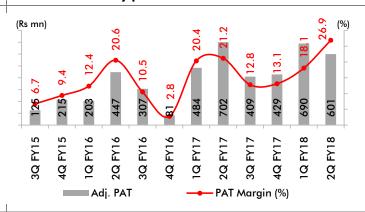


Exhibit 10: Quarterly EPC EBIT and EBITM %

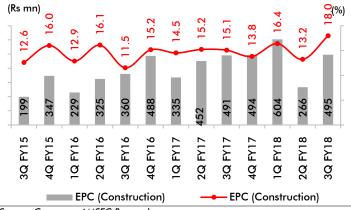


Exhibit 11: SOTP Valuations and PT based on FY19E

Business segment	Valuation methodology	Amount (Rs mn)	Per Share (Rs)
EPC	20x FY20E P/E	46,737	415
Wind power	DCF	6,709	60
Transmission business			
Jhajjar KT Transco	2x book value	760	7
Patran Power	1x book value	300	3
Total equity value		54,506	484
CMP			363
Upside (%)			33%

Source: Company, AMSEC Research



Financials (Consolidated) (Rs mn)

•	,									•	,
Profit & Loss Account						Cash Flow Statement					
Particulars	FY16	FY17	FY18E	FY19E	FY20E	Particulars	FY16	FY17	FY18E	FY19E	FY20E
Net sales	10,972	13,567	13,443	14,788	17,389	PBT	1,898	2,502	2,590	3,051	3,518
Consumption of materials	7,816	9,325	9,275	10,278	12,085	Non-cash adjustments	495	508	414	414	415
Staff Expenses	299	346	336	370	435	Changes in working capital	(1,237)	1,434	317	(276)	(534)
Other operating expenses	652	772	933	979	1,414	Interest Paid	443	373	245	96	73
Total Expenditure	8,766	10,442	10,544	11,626	13,933	Tax Paid & Other Adj	(811)	(1,384)	(518)	(610)	(704)
EBITDA	2,206	3,125	2,899	3,161	3,455	Cashflow from operations	788	3,433	3,048	2,675	2,767
Depreciation	495	508	414	414	415	Capital exp. & Advances	1,553	2,051	(100)	(100)	(100)
Operating profit	1,712	2,617	2,485	2,748	3,040	Change in investments	(224)	(3,100)	300	(1,300)	(1,700)
Other income	375	258	350	400	550	Other investing cashflow	-	-	-	-	-
EBIT	2,087	2,875	2,835	3,148	3,590	Cashflow from investing	1,329	(1,049)	200	(1,400)	(1,800)
Interest	443	373	245	96	73	Issue of equity	-	-	(578)	-	-
Exceptional items	254	233	-	-	-	lssue/repay debt	(527)	(2,095)	(2,300)	(500)	-
Profit before tax	1,898	2,502	2,590	3,051	3,518	Interest Paid	(443)	(373)	(245)	(96)	(73)
Tax	721	837	518	610	704	Dividends paid	(278)	-	(494)	(549)	(659)
Reported net profit	1,177	1,899	2,072	2,441	2,814	Cashflow from financing	(1,248)	(2,468)	(3,616)	(1,145)	(731)
Minority interest	23	29	-	-	-	Change in cash & cash eq	869	(84)	(368)	130	236
Adjusted net profit	1,043	2,024	2,072	2,441	2,814	Opening cash & cash eq	247	1,116	1,032	664	793
Share O/s mn	57	114	113	113	113	Closing cash & cash eq	1,116	1,032	664	793	1,029
EPS Rs (adjusted)	10.3	18.0	18.4	21.7	25.0	Free cash flow to firm	2,341	5,484	2,948	2,575	2,667

Balance Sheet						Ratios					
Particulars	FY16	FY17	FY18E	FY19E	FY20E	Particulars	FY16	FY17	FY18E	FY19E	FY20E
SOURCES OF FUNDS:						PER SHARE					
Share Capital	114	228	225	225	225	EPS Rs (adjusted)	10.3	18.0	18.4	21.7	25.0
Reserves	9,164	10,842	11,845	13,737	15,893	CEPS Rs	29.3	21.4	22.1	25.3	28.7
Minority Interest	-	-	-	-	-	Book Value Rs	162.5	98.2	107.1	123.9	143.0
Total Shareholders Funds	9,279	11,070	12,071	13,963	16,118	VALUATION					
Non-Current Liabilities	6,147	4,189	1,889	1,389	1,389	EV / Net Sales	2.1	2.9	2.7	2.3	1.9
Total borrowings	5,122	3,028	728	228	228	EV / EBITDA	10.5	12.4	12.6	11.0	9.5
Deferred tax liability	1,025	1,161	1,161	1,161	1,161	P / E Ratio	70.5	20.2	19.8	16.8	14.5
Current Liabilities	3,124	3,805	3,941	4,457	5,240	P / BV Ratio	2.2	3.7	3.4	2.9	2.5
Trade payables	3,081	3,699	3,793	4,254	5,002	GROWTH YOY%					
Short term provisions	44	106	147	203	238	Sales Growth	38.2	23.7	(0.9)	10.0	17.6
Total Equity & Liabilities	18,550	19,064	17,900	19,808	22,747	EBITDA Growth	4.3	41.6	(7.2)	9.1	9.3
APPLICATION OF FUNDS:						Net Profit Growth	10.8	61.3	9.1	17.8	15.3
Non Current Assets	8,871	7,276	6,962	6,648	6,333	PROFITABILITY (%)					
Goodwill	205	205	205	205	205	EBITDA / Net Sales	20.1	23.0	21.6	21.4	19.9
Gross block (Total)	10,886	8,835	8,935	9,035	9,135	EBIT / Net sales	19.0	21.2	21.1	21.3	20.6
Less : accumulated depreciation	2,855	2,553	2,967	3,381	3,796	NPM / Total income	10.2	14.6	15.0	16.1	15.7
Net block (Total)	8,032	6,282	5,968	5,655	5,340	Raw Material/Net Sales	71.2	68.7	69.0	69.5	69.5
Capital work in progress	-	-	-	-	-	Int/PBIT	21.2	13.0	8.6	3.1	2.0
Noncurrent investment	634	789	789	789	789	Core ROaNW (Ex cash)	13.8	30.9	28.8	29.1	31.2
Current Assets	9,679	11,787	10,938	13,160	16,414	Core ROaCE (Ex Cash)	8.1	15.6	21.5	24.7	27.0
Current investment	926	3,871	3,571	4,871	6,571	ROaNW	13.1	19.9	17.9	18.8	18.7
Inventories	379	2	37	81	95	ROaCE	9.4	15.6	22.5	26.1	29.0
Sundry debtors	4,963	5,596	5,340	5,875	6,908	Tax / PBT	38.0	33.4	20.0	20.0	20.0
Cash and bank	1,116	1,032	664	793	1,029	TURNOVER					
Short loans and advances	551	238	258	324	381	Net Woking Cycle (Days)	150	83	75	75	75
Others current assets	1,744	1,048	1,068	1,215	1,429	Debtors Velocity (Days)	165	151	145	145	145
Total Assets	18,550	19,064	17,900	19,808	22,747	Inventory (Days)	13	0	1	2	2
						Creditors Velocity (Days)	102	100	103	105	105
						LIQUIDITY					
Net Working Capital*	4,513	3,080	2,762	3,039	3,573	Gross Asset Ratio	0.9	1.4	1.5	1.6	1.9
Total Gross Debt**	5,122	3,028	728	228	228	Total Asset Ratio	0.6	0.7	0.7	0.8	0.8
Total Net Debt	3,080	(1,876)	(3,507)	(5,437)	(7,373)	Net Debt-Equity Ratio	0.3	(0.2)	(0.3)	(0.4)	(0.5)
Capital Employed***	14,401	14,098	12,798	14,190	16,346	Interest Coverage (x)	4.7	7.7	11.6	32.7	49.5
* WC = CA-CL (Excl short term	& Curr. Mo	at. Long ter	m debt)			PAYOUT					
** Total Debt = Long Term + sl	nort Term -	+ Curr. Ma	t. Of Long	Term Debt		Payout %	23.6	-	23.8	22.5	23.4
*** Capital Employed = NW +	Total Dobt		•			Yield %	1.4	_	1.2	1.4	1.7



#### **Recommendation rationale**

**Buy:** Potential upside of >+15% (absolute returns)

Accumulate: >+5 to +15%

Reduce: +5 to -5%

Sell: <-5%

Not Rated (NR): No investment opinion on the

stock

## **Sector rating**

Overweight: The sector is expected to outperform relative

to the Sensex.

Underweight: The sector is expected to underperform

relative to the Sensex.

**Neutral:** The sector is expected to perform in line with

the Sensex.

#### **Disclosures**

This Report is published by Asian Markets Securities Private Limited (hereinafter referred to as "AMSEC") for private circulation. AMSEC is a registered Stock Broker with National Stock Exchange of India Limited and BSE Limited in cash and derivatives segments. It is also having registration as a Depository Participant with CDSL and as Portfolio Manager. 'AMSEC is registered Research Analyst under SEBI (Research Analyst) Regulations, 2014 having Registration Number as INH000001378.'

AMSEC has other business divisions with independent research teams separated by Chinese walls, and therefore may, at times, have different or contrary views on stocks and markets.

AMSEC or its associates have not been debarred / suspended by SEBI or any other regulatory authority for accessing / dealing in securities Market. AMSEC, its associates or analyst or his relatives do not hold any financial interest in the subject company. AMSEC or its associates or Analyst do not have any conflict or material conflict of interest at the time of publication of the research report with the subject company. AMSEC or its associates or Analyst or his relatives hold / do not hold beneficial ownership of 1% or more in the subject company at the end of the month immediately preceding the date of publication of this research report.

AMSEC or its associates / analyst has not received any compensation / managed or co-managed public offering of securities of the company covered by Analyst during the past twelve months. AMSEC or its associates have not received any compensation or other benefits from the company covered by Analyst or third party in connection with the research report. Analyst has not served as an officer, director or employee of subject company and AMSEC / analyst has not been engaged in market making activity of the subject company.

Analyst Certification: I, Amber Singhania, the research analysts and authors of this report, hereby certify that the views expressed in this research report accurately reflects my personal views about the subject securities, issuers, products, sectors or industries. It is also certified that no part of the compensation of the analyst(s) was, is, or will be directly or indirectly related to the inclusion of specific recommendations or views in this research. The analyst(s) principally responsible for the preparation of this research report and has taken reasonable care to achieve and maintain independence and objectivity in making any recommendations.

1. Name of the Analyst / Associate Amber Singhania Suraj Sonulkar

2. Analysts' ownership of any stock related to the information contained: Nil Nil

3. AMSEC ownership of any stock related to the information contained: None None

4. Broking relationship with company covered:

None

None

5. Investment Banking relationship with company covered: None None



#### **Disclaimer**

This report is for the personal information of the authorized recipient and does not construe to be any investment, legal or taxation advice to you. AMSEC is not soliciting any action based upon it. Nothing in this research shall be construed as a solicitation to buy or sell any security or product, or to engage in or refrain from engaging in any such transaction. In preparing this research, we did not take into account the investment objectives, financial situation and particular needs of the reader.

This research has been prepared for the general use of the clients of AMSEC and must not be copied, either in whole or in part, or distributed or redistributed to any other person in any form. If you are not the intended recipient you must not use or disclose the information in this research in any way. Though disseminated to all the customers simultaneously, not all customers may receive this report at the same time. AMSEC will not treat recipients as customers by virtue of their receiving this report. 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 AMSEC & its group companies to registration or licensing requirements within such jurisdictions.

The report is based on the information obtained from sources believed to be reliable, but we do not make any representation or warranty that it is accurate, complete or up-to-date and it should not be relied upon as such. We accept no obligation to correct or update the information or opinions in it. AMSEC or any of its affiliates or employees shall not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. AMSEC or any of its affiliates or employees do not provide, at any time, any express or implied warranty of any kind, regarding any matter pertaining to this report, including without limitation the implied warranties of merchantability, fitness for a particular purpose, and non-infringement. The recipients of this report should rely on their own investigations.

This information is subject to change without any prior notice. AMSEC reserves its absolute discretion and right to make or refrain from making modifications and alterations to this statement from time to time. Nevertheless, AMSEC is committed to providing independent and transparent recommendations to its clients, and would be happy to provide information in response to specific client queries.

Before making an investment decision on the basis of this research, the reader needs to consider, with or without the assistance of an adviser, whether the advice is appropriate in light of their particular investment needs, objectives and financial circumstances. There are risks involved in securities trading. The price of securities can and does fluctuate, and an individual security may even become valueless. International investors are reminded of the additional risks inherent in international investments, such as currency fluctuations and international stock market or economic conditions, which may adversely affect the value of the investment. Opinions expressed are subject to change without any notice. Neither the company nor the director or the employees of AMSEC accept any liability whatsoever for any direct, indirect, consequential or other loss arising from any use of this research and/or further communication in relation to this research. Here it may be noted that neither AMSEC, nor its directors, employees, agents or representatives shall be liable for any damages whether direct or indirect, incidental, special or consequential including lost revenue or lost profit that may arise from or in connection with the use of the information contained in this report.

For U.S. persons only: This research report is a product of AMSEC, which is the employer of the research analyst who has/have, prepared the research report. The research analyst(s) preparing the research report is/are resident outside the United States (U.S.) and is/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 AMSEC 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, AMSEC 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.

Copyright of this document vests exclusively with AMSEC.

Our reports are also available on Fact Set and Bloomberg ASNM <GO>

1 / 2 Athena House, Rajnigandha Complex, Gokuldham, Filmcity Road, Goregaon (East), Mumbai – 400 063. India Tel: +91 22 4343 5000 Fax: +91 22 4343 5043 research.amsec@amsec.in, Website: www.amsec.in