

Delta Corp

BSE SENSEX 36,825

S&P CNX 11,134

CMP: INR236 TP: INR301 (+27%)

Buy

Motilal Oswal values your support in the Asiamoney Brokers Poll 2018 for India Research, Sales and Trading team. We request your ballot.



Bloomberg	DELTA IN
Equity Shares (m)	268
M.Cap.(INRb)/(USDb)	63 / 0.9
52-Week Range (INR)	401 / 158
1, 6, 12 Rel. Per (%)	-7/-37/21
12M Avg Val (INR M)	1030
Free float (%)	66.8

Financials & Valuations (INR b)

Y/E March	2018	2019E	2020E
Sales	6.1	7.9	9.6
EBITDA	2.5	2.9	3.9
NP	1.5	1.9	2.5
EPS (INR)	5.8	6.9	9.4
EPS Gr. (%)	89.4	18.8	36.3
BV/Sh. (INR)	62.9	65.5	74.3
RoE (%)	11.9	10.8	13.4
RoCE (%)	11.5	10.9	19.4
P/E (x)	40.8	34.3	25.2
P/BV (x)	3.8	3.6	3.2

Estimate change	←
TP change	←→
Rating change	←

Beat on all fronts; EBIDTA margin steady despite steep license fee hike

- Encouraging performance in a traditionally soft quarter: Revenue increased 46% YoY (est. of +31%) to INR1,873m, primarily led by robust growth in Casino gaming revenue (+53% YoY). EBIDTA margin of 35% (flat YoY) exceeded our estimate of 33%. This is encouraging considering the significant increase in the license fee run-rate (annual license fee increased from INR100m in 4QFY18 to INR240m in 1QFY19). EBIDTA of INR654m, too, came in ahead of our estimate of INR558m. Adj. PAT grew 96% YoY to INR414m (est. of INR365m) in 1QFY19.
- Strong growth in Casino biz limits margin contraction: Online gaming revenue grew 16% QoQ; EBIT margin shrank 200bp QoQ to 12% (online gaming segment commenced reporting revenue 2QFY18 onward) due to high promotional expenses. Hospitality revenue grew 30% YoY to INR227m; it recorded an EBIT loss of INR53m. However, robust growth in Casino gaming revenue in a seasonally soft quarter (EBIT margin of 35% exceeded our estimate of 33%) limited overall margin contraction (note: segmental revenues are gross of tax).
- 1QFY19 earnings call highlights: (a) Casino revenue was driven by a robust pick-up in tourism and unserved demand (spillover from casinos that shut down operations), and dynamic pricing on weekends. This helped offset the adverse impact of increased license fee on the margins. (b) DELTA incurred promotional expenses of INR230m in FY18 and INR130m in 1QFY19 (excl. fantasy sports business). These spends will continue in near future. (c) Online gaming margin to be sustainable at 15-17%; could go up to 20-21% over long term.
- Valuation view: DELTA performed well in a seasonally soft quarter, primarily driven by resilient growth in Casino revenue. From a discretionary spend point of view, Casino business appears to be on an uptrend. Considering this, we raise our PAT by 2% for FY19 and 4% for FY20, and expect sales/PAT CAGR of 26%/28% over FY18-20. We value the stock at 32x FY20E EPS to arrive at a target price of INR301.

Consol. Quarterly Performance

Y/E March		FY1	8			FY1	9		FY18	FY19E		Var
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	%
Net Sales	1,286	1,453	1,622	1,716	1,873	1,935	1,989	2,092	6,077	7,905	1,691	11
YoY Change (%)	18.4	8.2	56.6	58.7	46%	33%	23%	22%	33.7	30.1	31%	
Total Expenditure	833	798	935	1,041	1,219	1,238	1,233	1,276	3,606	4,988	1,133	
EBITDA	453	655	687	675	654	697	756	816	2,470	2,917	558	17
Margins (%)	35.2	45.1	42.4	39.3	34.9	36.0	38.0	39.0	40.7	36.9	33.0	
Depreciation	89	94	94	94	94	97	97	98	371	386	94	
Interest	70	22	3	8	2	8	8	8	104	32	8	
Other Income	37	86	79	84	83	55	45	35	286	200	65	
PBT before EO expense	332	624	669	656	641	647	696	745	2,281	2,698	521	23
Extra-Ord expense	-18	0	0	8	0	0	0	0	-10	0	0	
PBT	350	624	669	648	641	647	696	745	2,292	2,698	521	23
Tax	127	194	225	191	225	194	209	224	737	837	156	
Rate (%)	36.1	31.1	33.6	29.5	35.0	30.0	30.0	30.0	32.2	31.0	30.0	
MI & P/L of Asso. Cos.	1	-2	-3	-4	-3	0	0	0	-1	-1	0	
Reported PAT	223	433	447	453	414	453	487	522	1,555	1,863	365	14
Adj PAT	211	433	447	458	414	453	487	522	1,548	1,863	365	14
YoY Change (%)	24.4	33.8	327.8	302.3	96%	5%	9%	14%	118.9	20.3	73%	
Margins (%)	16.4	29.8	27.6	26.7	22.1	23.4	24.5	24.9	25.5	23.6	21.6	

Chintan Modi - Research Analyst (Chintan.Modi@motilaloswal.com); +91 22 6129 1554

Lopa Thakkar - Research Analyst (Lopa.Thakkar@motilaloswal.com); +91 22 3010 8029

Online gaming promotional spends to drive growth; margins to stabilize at 15-17%

- Online gaming margin shrank to 12% in 1QFY19 from 14% in 4QFY18, primarily due to promotion-related expenses incurred for the rummy and fantasy sports business.
- DELTA incurred marketing- and promotion-related expenses of ~NR230m in FY18 and INR130m alone in 1QFY19, excluding spends on the fantasy sports business. Promotional spends for online gaming are expected to continue in the near future. We, however, note that A&P spend is expected to result in higher user registrations, proving beneficial for the company.
- The company spent ~INR40-45m on the fantasy sports segment in 1QFY19, which was a one-time expense. Fantasy sports contributed to increased revenue; however it is EBITDA neutral.
- Online gaming margin would be sustainable at 15-17%; it could expand to 20-21% over the long term.
- These initiatives are expected to provide a sustained advantage for DELTA. Fantasy sports is now on steam with 48,000 active users (total registered users are over 100,000), rummy has 15,000 active users (300,000 registered users), and poker has 100,000 active players (1.6m registered users).

Policy on shifting casinos to land under development

- The government is drafting a policy that may eventually lead to relocation of Goa's casinos to an entertainment zone near an upcoming airport project.
- Policy on shifting casinos to land is work-in-progress.

Others takeaways:

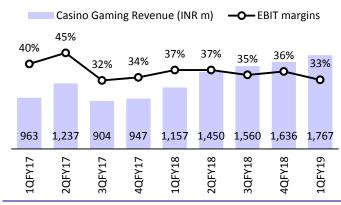
- Rummy vertical reported INR11m revenue in June; expect rummy software (w.r.t user interface and experience) to be fully ready and reach the intended upgrade levels by September/October 2018. This vertical is likely to contribute INR150-200m to revenue in FY19, but will not be profitable until FY20.
- Goa hotel operates at 70-80% average full-year occupancy; Daman hotel operates at 50-55% average full-year average occupancy.
- Deltin Caravela and Deltin JAQK reported revenue of INR240m and INR400m, respectively, in 1QFY19
- The company is investing in promotional activities to attract visitors for daytime gaming. Typically, visitors visit the ship for an evening event. According to the management, tourists are not aware of daytime gaming as an option.
- Nepal Casino at Fairfield by Marriott, Kathmandu, is likely to commence operations by December, and will likely contribute to 4QFY19 revenues. The company has already signed a lease agreement with Marriott-Kathmandu.
- The company has a full-year marketing budget at INR700m/INR800m. It has incurred marketing expenses of INR140-150m in 1QFY19.
- The company currently holds INR4.5b of cash on its balance sheet.

Exhibit 1: Casino gaming grew 53% in typically slow quarter

Casino Gaming Revenue (INR m) — YoY Growth(%) 73% 73% 53% 46% 37% $\boldsymbol{\sigma}$ 20% 179 8% 1,237 947 1,450 1,560 1,636 1,767 963 1,157 1QFY17 2QFY17 3QFY17 4QFY17 1QFY18 2QFY18 3QFY18 4QFY18 1QFY19

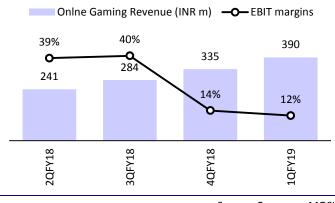
Source: Company, MOSL

Exhibit 2: Casino gaming margins shrank to 33%in 1QFY19



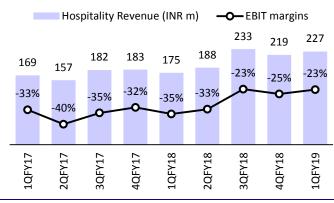
Source: Company, MOSL

Exhibit 3: Promotional spends pressurized margins



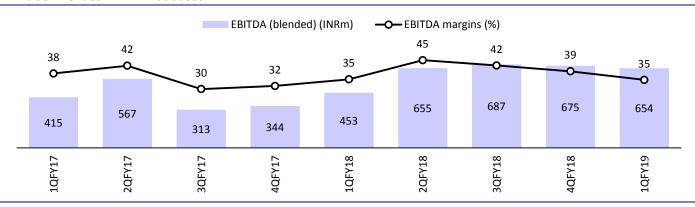
Source: Company, MOSL

Exhibit 4: Hospitality segment incurred losses



Source: Company, MOSL

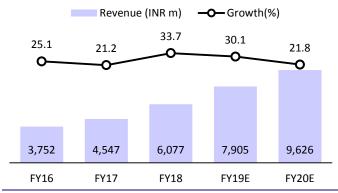
Exhibit 5: Blended EBIDTA flat at 35%



Source: Company, MOSL

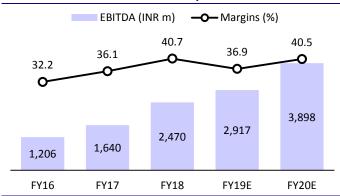
Story in charts

Exhibit 6: 26% revenue CAGR expected over FY18-FY20



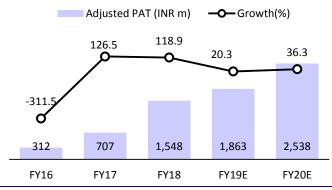
Source: MOSL, Company

Exhibit 7: EBITDA to remain under pressure in FY19



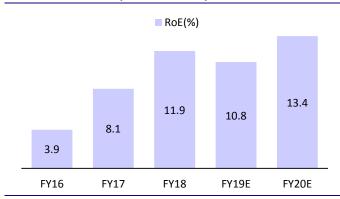
Source: MOSL, Company

Exhibit 8: Earnings to grow at 28% CAGR over FY18-20



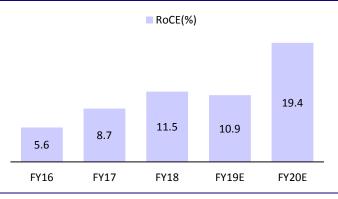
Source: MOSL, Company

Exhibit 9: ROE to improve to 13% by FY20



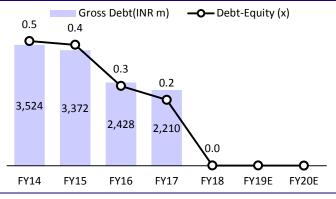
Source: MOSL, Company

Exhibit 10: ROCE to improve to 19% by FY20



Source: MOSL, Company

Exhibit 11: Debt free as of FY18



Source: MOSL, Company

24 July 2018

Financials and Valuations

Consolidated - Income Statement							(INR Mil		
Y/E March	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E	
Total Income from Operations	4,254	5,586	3,000	3,752	4,547	6,077	7,905	9,626	
Change (%)	16.6	31.3	-46.3	25.1	21.2	33.7	30.1	21.8	
Cost of Materials Consumed	1,983	2,206	205	294	315	351	474	558	
% of Sales	46.6	39.5	6.8	7.8	6.9	5.8	6.0	5.8	
Personnel Expenses	354	484	526	591	641	946	1,233	1,434	
% of Sales	8.3	8.7	17.5	15.7	14.1	15.6	15.6	14.9	
Other Expenses	1,069	1,395	1,603	1,661	1,952	2,309	3,280	3,735	
% of Sales	25.1	25.0	53.4	44.3	42.9	38.0	41.5	38.8	
Total Expenditure	3,406	4,085	2,334	2,545	2,907	3,606	4,988	5,727	
% of Sales	80.1	73.1	77.8	67.8	63.9	59.3	63.1	59.5	
EBITDA	848	1,501	665	1,206	1,640	2,470	2,917	3,898	
Margin (%)	19.9	26.9	22.2	32.2	36.1	40.7	36.9	40.5	
Depreciation	81	166	347	359	361	371	386	401	
EBIT	767	1,335	318	847	1,278	2,099	2,530	3,497	
Int. and Finance Charges	155	334	513	413	350	104	32	31	
Other Income	185	312	74	70	49	286	200	185	
PBT bef. EO Exp.	797	1,313	-120	503	978	2,281	2,698	3,651	
EO Items	52	-143	-49	105	-42	-10	0		
PBT after EO Exp.	849	1,170	-169	608	1,020	2,292	2,698	3,651	
Current Tax	325	478	155	202	280	737	837	1,114	
Deferred Tax	15	42	-47	0	0	0	0	Ó	
Tax Rate (%)	40.0	44.4	-64.1	33.2	27.4	32.2	31.0	30.5	
Less: Mionrity Interest	216	297	-50	24	2	-1	-1	-1	
Reported PAT	293	353	-228	382	738	1,555	1,863	2,538	
Adjusted PAT	262	432	-148	312	707	1,548	1,863	2,538	
Change (%)	-47.6	64.7	-134.2	-311.5	126.5	118.9	20.3	36.3	
Margin (%)	6.2	7.7	-4.9	8.3	15.6	25.5	23.6	26.4	
- 0 (1)	<u> </u>								
Consolidated - Balance Sheet						(INR Million)			
Y/E March	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E	
Equity Share Capital	227	228	231	231	232	268	271	271	
Total Reserves	7,505	7,529	7,420	8,123	8,970	16,560	17,477	19,868	
Net Worth	7,732	7,757	7,651	8,354	9,202	16,827	17,747	20,139	
Minority Interest	1,616	525	244	270	160	141	141	141	
Deferred Liabilities	4	57	160	0	0	0	0	O	
Total Loans	4,850	3,524	3,372	2,428	2,210	14	14	14	
Capital Employed	14,202	11,863	11,426	11,051	11,572	16,983	17,903	20,294	
Gross Block	2,950	7,611	8,739	8,508	8,715	10,183	11,283	13,783	
Less: Accum. Deprn.	332	488	800	1,160	1,521	1,892	2,279	2,680	
Net Fixed Assets	2,619	7,123	7,938	7,348	7,194	8,290	9,004	11,103	
Goodwill on Consolidation	868	477	604	1,258	1,327	3,946	3,946	3,946	
Capital WIP	5,217	992	38	27	5	41	41	41	
Total Investments	1,141	1,048	1,077	826	981	4,220	4,220	4,220	
Curr. Assets, Loans&Adv.	5,495	3,291	2,459	2,100	2,715	3,183	2,066	2,823	
Inventory	2,366	717	695	708	695	705	931	1,134	
Account Receivables	145	674	228	142	43	83	152	185	
Cash and Bank Balance	466	551	210	228	314	1,235	580	1,081	
Loans and Advances	2,517	1,350	1,326	1,023	1,663	1,160	403	423	
Curr. Liability & Prov.	1,138	1,330 1,142	911	899	1,003	2,854	1,531	1,996	
Account Payables	774	730	735	806	906	2,760			
Provisions	364	413	176	93	95		1,408	1,846	
						94	123	150	
Net Current Assets	4,358	2,149	1,548	1,201	1,715	330 156	535	828	
Deferred Tax assets	0	72	221	391	351	156	156	156	
Appl. of Funds	14,202	11,863	11,426	11,051	11,572	16,983	17,903	20,294	

E: MOSL Estimates

Financials and Valuations

Ratios								
Y/E March	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E
Basic (INR)								
EPS	1.2	1.9	-0.6	1.4	3.1	5.8	6.9	9.4
Cash EPS	1.5	2.6	0.9	2.9	4.6	7.2	8.3	10.9
BV/Share	34.1	34.1	33.2	36.2	39.7	62.9	65.5	74.3
DPS	0.2	0.2	0.1	0.2	0.4	0.0	0.4	0.5
Payout (%)	22.8	18.8	-12.5	14.5	13.2	0.0	7.0	5.8
Valuation (x)								
P/E		124.2	-368.6	174.3	77.3	40.8	34.3	25.2
Cash P/E		89.8	273.3	81.0	51.2	32.9	28.4	21.7
P/BV		6.9	7.1	6.5	5.9	3.8	3.6	3.2
EV/Sales		11.6	21.6	17.0	14.0	9.9	7.7	6.3
EV/EBITDA		43.0	97.3	52.8	38.7	22.9	19.6	14.5
Dividend Yield (%)	0.1	0.1	0.0	0.1	0.1	0.0	0.2	0.2
FCF per share	-3.7	6.8	3.2	4.6	4.0	3.1	-2.4	1.8
Return Ratios (%)								
RoE	3.4	5.6	-1.9	3.9	8.1	11.9	10.8	13.4
RoCE	4.6	7.7	5.8	5.6	8.7	11.5	10.9	19.4
RoIC	6.7	8.9	5.4	5.6	9.2	13.1	14.2	17.4
Working Capital Ratios								
Asset Turnover (x)	0.3	0.5	0.3	0.3	0.4	0.4	0.4	0.5
Inventory (Days)	203	47	85	69	56	42	43	43
Debtor (Days)	12	44	28	14	3	5	7	7
Creditor (Days)	142	48	89	78	73	166	65	70
Working Cap. Turnover (Days)	334	43	23	4	-13	-118	-15	-20
Leverage Ratio (x)								
Debt/Equity	0.6	0.5	0.4	0.3	0.2	0.0	0.0	0.0
Canadidated Cook Flow Statement							/INID	D4:II: \
Consolidated - Cash Flow Statement	EV42	FV4.4	FV4 F	FV4.C	EV4.7	EV40		Million)
Y/E March	FY13	FY14	FY15	FY16	FY17	FY18	FY19E	FY20E
OP/(Loss) before Tax	849	1,175	-166	596	978	2,281	2,698	3,651
Depreciation	81	166	347	382	361	371	386	401
Interest & Finance Charges	10	199 -332	495 -354	397 -156	300	-182 -737	-168 -837	-154
Direct Taxes Paid (Inc)/Dec in WC	-365 2,235	1,119	539	-156 94	-280 -427	3,083	-1,638	-1,114 209
CF from Operations	2,233 2,810	2,327	862	1,313	932	4,816	-1,036 442	2,994
Others	37	-49	-23	-156	180	125	0	2,994
CF from Operating incl EO	2,847		838			4,941	442	
(inc)/dec in FA	-3,692	2,278 -740	-107	1,157 -89	1,112 -185	-4,122	-1,100	2,994 -2,500
Free Cash Flow	-3,092 - 845	1,538	731	1,068	927	819	-1,100 -658	-2,300 494
(Pur)/Sale of Investments	205	132	3	32	-155	-3,240	0	0
Others	-643	1,257	-145	-63	49	-3,240	977	185
CF from Investments	-4,129	650	-250	-120	- 290	- 7,397	-123	- 2,315
Issue of Shares	49	22	145	0	1	5,500	-813	0
(Inc)/Dec in Debt	301	-1,158	-152	-524	-218	-2,196	0	0
Interest Paid	-155	-310	-551	-427	-350	-104	-32	-31
Dividend Paid	-109	-57	-62	-28	-98	0	-130	-147
Others	338	-1,340	-309	-40	-72	176	1	1
CF from Fin. Activity	425	-1,340 - 2,843	-929	-1,018	-72 - 73 6	3,377	-974	-177
Inc/Dec of Cash	-857	84	-341	18	86	921	-655	502
Opening Balance	1,323	466	551	210	228	314	1,235	580
Closing Balance	466	551	210	228	314	1,235	580	1,081
erooming buildings	+00	331	210	220	314	1,233	300	1,001

NOTES

Explanation of Investment Rating	
Investment Rating	Expected return (over 12-month)
BUY	>=15%
SELL	< - 10%
NEUTRAL	> - 10 % to 15%
UNDER REVIEW	Rating may undergo a change
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation

'In case the recommendation given by the Research Analyst becomes inconsistent with the investment rating legend, the Research Analyst shall within 28 days of the inconsistency, take appropriate measures to make the recommendation consistent with the investment rating legend.

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

Mollal Oswal Securities Ltd. (MOSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOSL, the Research Entity (RE) as defined in the Regulations, is engaged in the business of providing Stock broking services, Investment Advisory Services, Depository participant services & distribution of various financial products. MOSL is a subsidiary company of Mollial Oswal Financial Service Ltd. (MOFSL). MOFSL is a listed public company, the details in respect of which are available on www.mollialoswal.com. MOSL is registered with the Securities & Exchange Board of India (SEBI) and is a registered Trading Member with National Stock Exchange of India Ltd. (NSE) and Bombay Stock Exchange Limited (SEST), Meropolitan Stock Exchange India Ltd. (MSEST) for its stock broking activities & is Depository Participant with Central Depository Services Limited (CDSL) & National Securities Depository India Ltd. (MSEST) and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products. Details of associate entities of Motilal Oswal Securities Limited are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/Associate%20Details.pdf

MOSL, it's associates, Research Analyst or their relative may have any financial interest in the subject company. MOSL and/or its associates and/or Research Analyst may have actual/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. MOSL 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 before 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) as the recommendations made by the analyst(s) as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research Analyst may have served as director/officer, etc. in the subject company in the last 12 month period. MOSL and/or its associates may have received any 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, MOSL or any of its associates may have:

- managed or co-managed public offering of securities from subject company of this research report, received compensation for investment banking or merchant banking or brokerage services from subject company of this research report, received compensation for products or services often than investment banking or merchant banking or brokerage services from the subject company of this research report. Subject Company may have been a client of MOSL or its associates during twelve months preceding the date of distribution of the research report.

MOSL 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. To enhance transparency, MOSL has incorporated a Disclosure of Interest Statement in this document. This should, however, not be treated as endorsement of the views expressed in the report. MOSL 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 MOSL 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.

Terms & Conditions:

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

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 analysit(s) in this report.

Disclosure of Interest Statement Delta Corp Analyst ownership of the stock No

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.com, www.bseindia.com, www.bseindia.com, www.bseindia.com, www.nseindia.com, <a href="www.nseindia.co expressed their views.

Regional Disclosures (outside India)

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

For Hong Kong:

This report is distributed in Hong Kong by Motilal Oswal capital Markets (Hong Kong) Private Limited, a licensed corporation (CE AYY-301) licensed and regulated by the Hong Kong Securities and Futures Commission (SFC) pursuant to the Securities and Futures Ordinance (Chapter 571 of the Laws of Hong Kong) "SFO". As per SEBI (Research Analyst Regulations) 2014 Motilal Oswal Securities (SEBI Reg No. INH000000412) has an agreement with Motilal Oswal capital Markets (Hong Kong) Private Limited for distribution of research report in Hong Kong. This report is intended for distribution only to "Professional Investors" as defined in Part I of Schedule 1 to SFO. Any investment or investment activity to which this document relates is only available to professional investor and will be engaged only with professional investors. Nothing here is an offer or solicitation of these securities, products and services in any jurisdiction where their offer or sale is not qualified or exempt from registration. The Indian Analyst(s) who compile this report is/are not located in Hong Kong & are not conducting Research Analysis in Hong Kong.

Motilal Oswal Securities Limited (MOSL) is not a registered broker - dealer under the U.S. Securities Exchange Act of 1934, as amended (the 1934 act") and under applicable state laws in the United States. In addition MOSL is not a registered investment adviser under the U.S. Investment Advisers Act of 1940, as amended (the "Advisers Act" and together with the 1934 Act, the "Acts), and under applicable state laws in the United States. Accordingly, in the absence of specific exemption under the Acts, any brokerage and investment services provided by MOSL, including the products and services described herein are not available to or intended for U.S. persons. This report is intended for distribution only to "Major Institutional Investors' as defined by Rule 15a-6(b)(4) of the Exchange Act and interpretations thereof by SEC (henceforth referred to as "major institutional investors"). This document must not be acted on or relied on by persons who are not major institutional investors. Any investment or investment activity to which this document relates is only available to major institutional investors and will be engaged in only with major institutional investors. In reliance on the exemption from registration provided by Rule 15a-6 of the U.S. Securities Exchange Act of 1934, as amended (the "Exchange Act") and interpretations thereof by the U.S. Securities and Exchange Commission ("SEC") in order to conduct business with Institutional Investors based in the U.S., MOSI has entered into a chaperoning agreement with a U.S. registered broker-dealer, Moltial Oswal Securities International Private Limited. ("MOSIPL"). Any business interaction pursuant to this report will have to be executed within the provisions of this chaperoning agreement.

The Research Analysts contributing to the report may not be registered /qualified as research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, MOSIPL, and therefore, may not be subject to NASD rule 2711 and NYSE Rule 472 restrictions on communication with a subject company, public appearances and trading securities held by a research analyst account.

For Singapore

In Singapore, this report is being distributed by Motilal Oswal Capital Markets Singapore Pte Ltd ('MOCMSPL') (Co.Reg. NO. 2011294012) which is a holder of a capital markets services license and an exempt financial adviser in Singapore, as per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Disclaimer

The report and information contained herein is strictly confidential and meant solely for the selected recipient and may not be altered in any way, transmitted to, copied or distributed, in part or in whole, to any other person or to the media or reproduced in any form, without prior written consent. This report and information herein is solely for informational purpose and may not be used or considered as an offer document or solicitation of offer to buy or self or subscribe for securities or other financial instruments. Nothing in this report constitutes investment, legal, accounting and tax advice or a representation that any investment or strategy is suitable or appropriate to your specific circumstances. The securities discussed and opinions expressed in this report may not be suitable for all investors, who must make their own investment decisions, based on their own investment objectives, financial positions and needs of specific recipient. This may not be taken in substitution for the exercise of independent judgment by any recipient. 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 consult its own advisors to determine the merits and risks or such an investment. The investment discussed or views expressed may not be suitable for all investors. 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. No representation or warranty, express or implied, is made as to the accuracy, completeness or fairness of the information and opinions contained in this document. 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. This information is subject to change without any prior notice. The Company reserves the right to make modifications and afternations to this statement as may be required from time to time without any prior approval. MOSL, its associates, their directors and the employees may from time to time, effect or have effected an own account transaction in, or deal as principal or agent in or for the securities mentioned in this document. They may perform or seek to perform investment banking or other services for, or solicit investment banking or other business from, any company referred to in this report. Each of these entities functions as a separate, distinct and independent of each other. The recipient should take this into account before interpreting the document. This report has been prepared on the basis of information that is already available in publicly accessible media or developed through analysis of MOSL. The views expressed are those of the analyst, and the Company may or may not subscribe to all the views expressed therein. This deport has already advantaged in the company may or may not subscribe to all the views expressed therein. This document is being supplied to you solely for your information and may not be reproduced, redistributed or passed on, directly or indirectly, to any other person or published, copied, in whole or in part, for any purpose. 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 MOSL to any registration or licensing requirement within such jurisdiction. The securities described herein may or may not be eligible for sale in all jurisdictions or to certain category of investors. Persons in whose possession this document may come are required to inform themselves of and to observe such restriction. Neither the Firm, not 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 profits that may arise from or in connection with the use of the information. The person accessing this information specifically agrees to exempt MOSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOSL or any of its affiliates or employees free and harmless from all losses, costs, damages, expenses that may be suffered by the person accessing this information due to any errors and delays.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022-3980 4263; www.motilaloswal.com. Correspondence Address: Palm Spring Centre, 2nd Floor, Palm Court Complex, New Link Road, Malad (West), Mumbai-400 064. Tel No: 022 3080 1000. Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No::022-38281085.

Registration details of group entities.: MOSL: SEBI Registration: INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412, AMFI: ARN 17397. Investment Adviser: INA000007100.IRDA Corporate Agent-CA0541. Motilal Oswal Asset Management Ltd. (MOVML): PMS (Registration No.: INP000000670) offers PMS and Mutual Funds products. Motilal Oswal Wealth Management Ltd. (MOVML): PMS (Registration No.: INP0000004409) offers wealth management solutions. "Motilal Oswal Securities Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Bond, NCDs, Insurance and IPO products." Motilal Oswal Commodities Broker Pvt. Ltd. offers Commodities Products. * Motilal Óswal Real Estate Investment Advisors II Pvt. Ltd. offers Real Estate products. * Motilal Oswal Private Equity Investment Advisors Pvt. Ltd. offers Private Equity products