OTILAL OSWAL

S&P CNX

17,827

Prestige Estates Projects

BSE SENSEX

60,673



Bloomberg	PEPL IN
Equity Shares (m)	401
M.Cap.(INRb)/(USDb)	166.4 / 2
52-Week Range (INR)	527 / 375
1, 6, 12 Rel. Per (%)	-5/-9/-11
12M Avg Val (INR M)	238

Financials & Valuations (INR b)

Y/E MARCH 2023E 2024E 2025E										
Sales	74.4	81.9	87.7							
EBITDA	18.1	21.6	24.0							
EBITDA Margin (%)	24.4	26.4	27.4							
Adj PAT	3.6	5.1	5.5							
Cons. EPS (Rs)	9.5	13.7	14.7							
EPS Growth (%)	-16.0	34.6	5.3							
BV/Share (Rs)	257.7	271.4	286.1							
Ratios										
Net D:E	0.5	0.6	0.7							
RoE (%)	3.8	5.2	5.3							
RoCE (%)	6.2	6.9	6.9							
Payout (%)	0.0	0.0	0.0							
Valuations										
P/E (x)	47.8	30.2	28.2							
P/BV (x)	1.6	1.5	1.5							
EV/EBITDA (x)	13.2	11.8	10.6							
Div. Yield (%)	0.0	0.0	0.0							

Shareholding pattern (%)

As On	Dec-22	Sep-22	Dec-21
Promoter	65.5	65.5	65.5
DII	9.4	8.1	6.4
FII	22.2	23.2	24.7
Others	2.9	3.3	3.5

FII Includes depository receipts

Stock Performance (1-year)



TP: INR675 (+63%)

Buy

Pursuing growth in all segments Scale-up in residential cash flows will reduce leverage concerns

PEPL hosted an analyst meet on 21st Feb to share an outlook on its residential, commercial and retail segments. Below are the key takeaways

Aiming to double pre-sales by FY26

- PEPL reported sales bookings of INR90b in 9MFY23 and expects to end the year with pre-sales of over INR120b on the back of 10msf of new project launches in 4QFY23.
- Further, by FY26, the company targets to double new bookings in the residential segment to INR250b, with a contribution of INR150b coming from non-Bengaluru markets. While it already has presence in Mumbai and Hyderabad, it is scouting for new opportunities in NCR and Pune.
- In Mumbai, PEPL currently has five projects in the residential segment and is evaluating four more opportunities in the city.
- By FY26, PEPL aspires to generate INR100b in pre-sales from Bengaluru, INR50b from Mumbai, INR25b from Hyderabad, INR15b from NCR and Pune, and INR15b each from Chennai and other southern markets.
- With a project pipeline of 73msf and focus on business development across markets, PEPL intends to maintain new launches at 30msf+ over the next three years.
- After the success of its flagship township project Prestige City, Bengaluru, it has launched a similar project in Mumbai (Mulund) and will replicate the same in Hyderabad and Goa.

Plans to spend INR25-30b on business development annually

- PEPL currently has INR96b of inventory in ongoing projects and a project pipeline of 73msf with revenue potential of INR440b. While the sales potential in the current pipeline appears large, there are some big projects that can have a long sales cycle. Thus, business development is one of the key focus areas.
- The company expects to spend INR25-30b annually on new project additions in order to achieve its pre-sales target of INR250b.
- The company highlighted that its current pipeline of ongoing and upcoming projects has potential to generate INR200b of net surplus over the next few years and 60% of this cash flow will be utilized to fund its business development spends. The remaining 40% (INR80b) will be used to fund annuity assets.
- Additionally, PEPL has INR20b of capital from the HDFC platform, which will be utilized for investment requirements over the next 12 months. It is also in talks with Kotak to set up a similar fund.

Pritesh Sheth - Research Analyst (Pritesh.Sheth@MotilalOswal.com)

Sourabh Gilda - Research Analyst (Sourabh.Gilda@motilaloswal.com)

Investors are advised to refer through important disclosures made at the last page of the Research Report.

Motilal Oswal research is available on www.motilaloswal.com/Institutional-Equities, Bloomberg, Thomson Reuters, Factset and S&P Capital.

CMP: INR415

Balance sheet to remain healthy despite aggressive capex plans

- PEPL will incur INR157b of capex toward the completion of ongoing (26msf) and upcoming (15msf) office projects as well as the retail (7msf) and hospitality assets (1567 keys) over the next five years.
- As highlighted earlier, the company will utilize INR80b of internal accruals to fund the annuity capex and the shortfall will be funded by lease deposits (INR15b) and external debt (INR75b).
- It currently has net debt of INR42b and although the absolute amount of incremental debt required to fund the capex appears large, the consistent rise in the company's net worth will ensure that the net D/E will peak out at 0.6x.
- It is also important to note that: 1) INR200b in surplus cash highlighted earlier is only from the residential segment and does not include any income from its operational annuity and PMS segments; 2) This surplus cash will be generated only from the current pipeline and as new bookings scales up, the incremental inflows will further enhance the company's internal accruals.
- Thus, we believe that PEPL's net debt could peak out at INR60-80b.

Valuation and view

- While PEPL has given strong growth guidance for its residential business, we maintain our estimates and remain watchful on its progress on the BD front.
- As PEPL's residential segment further scales up, the cash flow generation will be sufficient to take care of business development spending and commercial capex requirements without straining the balance sheet, which is a key investor concern.
- Once the commercial portfolio fully stabilizes over the next five to six years, it will generate rental income of INR32b, which is right now not fully implied into the current valuation.
- We reiterate BUY with an unchanged SOTP-based TP of INR675, implying 63% upside potential.

NAV calculation	Rationale	INR b	per share (INR)	%
Residential	DCF of five year cash flow at a WACC of 12% and nil terminal growth	164	410	61%
Office – Operational	Cap rate of 8.75% for operational assets and DCF for ongoing and planned assets	18	45	7%
Office – Ongoing and Upcoming	Cap rate of 8.75% for operational assets and DCF for ongoing and planned assets	64	159	24%
Retail Malls	Cap rate of 8.75% for operational assets and DCF for ongoing and planned assets	36	91	13%
Hospitality	FY24E EBITDA at 17.5x EV/EBITDA	40	101	15%
Property Management Services	 FY23E EBITDA at 10x EV/EBITDA 	8	20	3%
Gross Asset Value		331	825	122%
Less: Net debt	✤ FY23E	(60)	(150)	(22%)
Net Asset Value		271	675	100%
СМР			415	
Upside			63%	

Exhibit 1: Our SoTP-based approach denotes 63% upside for PEPL based on CMP; maintain Buy rating

Key exhibits

Exhibit 2: Since FY19, PEPL posted 21% sales CAGR...

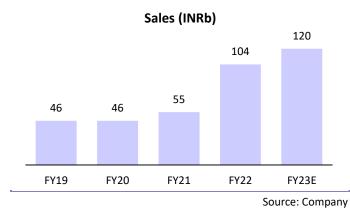


Exhibit 1: Ongoing and upcoming Residential pipeline

City	No. of projects	Developable area (msf)	Share (%)
Bengaluru	35	64	55%
Mumbai	9	18	15%
Hyderabad	7	22	19%
Chennai	2	5	4%
Noida	1	3	3%
Kochi	3	1	1%
Calicut	1	2	2%
Others	4	2	2%
Total	62	117	

Exhibit 3: ...and 17% CAGR in collections

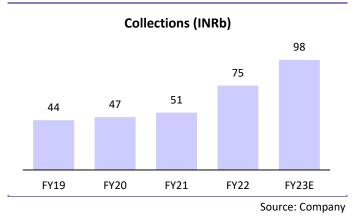


Exhibit 2: Ongoing and upcoming Commercial pipeline

	<u> </u>	<u> </u>		<u> </u>		
City			No. of projects	Developa	able area (msf)	Share (%)
Bengaluru			15		24	60%
Mumbai			3		10	25%
Hyderabad			1		3	8%
Pune			1		1	3%
Delhi			1		1	3%
Kochi			2		1	3%
Total			23		40	
					Source: Com	

Source: Company, MOFSL

Source: Company, MOFSL

Exhibit 3: PEPL's Mumbai pipeline has a GDV of INR750b

Project	Micro-market	Area (msf)	GDV	(INR b)
Residential				
Prestige City	Mulund		4.0	97
Prestige Jasdan Classic	Mahalaxmi		0.3	15
Prestige Daffodils	Pali Hill		0.1	12
Pestige Ocean Towers	Marine Lines		0.5	34
Prestige Nautilus	Worli		0.9	59
Commercial				
Presitge BKC	ВКС		4.5	205
The Prestige	Mahalaxmi		2.7	126
				548
Jijamata Nagar	Worli		5.0	200
Grand Total			18	748

Source: Company, MOFSL

MOTILAL OSWAL

Exhibit 4: Company expects to generate INR200b in surplus cash over FY23-27 from residential business and will redeploy it for BD and capex

contential business and this reachies the speak										
INR b	FY23	FY24	FY25	FY26	FY27					
FCF - Residential	5.1	5.1	6.1	7.1	3.5					
Overheads/tax	1.3	1.3	1.5	1.8	0.8					
Net FCF	3.8	3.7	4.6	5.3	2.7					
Capex commitment (40%)	1.5	1.5	1.8	2.1	1.1					
BD + Others (60%)	2.3	2.3	2.7	3.2	1.6					

Source: Company

Exhibit 5: As per management, the gearing would peak out at 0.6x D/E

INR b	FY23	FY24	FY25	FY26	FY27	FY28
Capex commitment (PG share)	2.3	2.9	4.4	4.1	3.2	0.3
40% residential FCF (-)	1.5	1.5	1.8	2.1	1.1	-
Lease deposits from tenants (-)	0.2	0.2	0.1	0.2	0.4	0.5
Shortfall	0.6	1.2	2.5	1.8	1.7	-0.2
Peak debt (including existing debt)	47	59	84	10	12	12
Net worth	100	114	132	159	196	246
Projected D/E	0.5	0.5	0.6	0.6	0.6	0.5

Source: Company

Financials and valuations

Consolidated Profit & Loss

Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Total Income from Operations	54,986	51,719	81,248	72,644	63,895	74,417	81,919	87,728
Change (%)	15.2	-5.9	57.1	-10.6	-12.0	16.5	10.1	7.1
Construction Cost	35,751	28,599	47,911	44,753	38,904	45,022	47,923	50,444
Employees Cost	2,958	3,986	4,206	4,206	4,510	5,253	5,782	6,192
Other Expenses	3,507	4,596	5,571	3,963	5,146	5,993	6,598	7,065
Total Expenditure	42,216	37,181	57,688	52,922	48,560	56,268	60,302	63,701
% of Sales	76.8	71.9	71.0	72.9	76.0	75.6	73.6	72.6
EBITDA	12,770	14,538	23,560	19,722	15,335	18,149	21,617	24,027
Margin (%)	23.2	28.1	29.0	27.1	24.0	24.4	26.4	27.4
Depreciation	1,547	3,229	6,667	5,926	4,710	6,369	7,420	8,790
EBIT	11,223	11 ,30 9	16,893	13,796	10,625	11,780	14,197	15,237
Int. and Finance Charges	5,657	7,228	10,233	9,899	5,553	7,521	8,463	9,113
Other Income	679	1,122	1,185	2,374	2,107	1,860	2,701	2,893
PBT bef. EO Exp.	6,245	5,203	7,845	6,271	7,179	6,119	8,435	9,016
EO Items	0	895	380	14,698	8,079	2,960	0	0
PBT after EO Exp.	6,245	6,098	8,225	20,969	15,258	9,079	8,435	9,016
Total Tax	2,135	1,985	2,783	5,198	2,945	2,588	2,109	2,254
Tax Rate (%)	34.2	32.6	33.8	24.8	19.3	28.5	25.0	25.0
Minority Interest	-136	-307	-44	250	813	1,134	1,191	1,250
Reported PAT	4,246	4,420	5,486	15,521	11,500	5,358	5,136	5,512
Adjusted PAT	4,246	3,816	5,235	4,466	4,552	3,249	5,136	5,512
Change (%)	13.4	-10.1	37.2	-14.7	1.9	-28.6	44.0	7.3
Margin (%)	7.7	7.4	6.4	6.1	7.1	4.4	6.3	6.3

Consolidated Balance Sheet

Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Equity Share Capital	3,750	3,750	4,009	4,009	4,009	4,009	4,009	4,009
Total Reserves	43,577	38,516	49,593	62,744	86,937	92,295	97,430	1,02,943
Net Worth	47,327	42,266	53,602	66,753	90,946	96,304	1,01,439	1,06,952
Minority Interest	2,300	1,120	2,284	4,198	4,523	4,523	4,523	4,523
Total Loans	69,078	82,108	86,269	36,112	65,130	78,130	91,130	91,130
Deferred Tax Liabilities	2,434	2,651	2,955	2,688	2,731	2,731	2,731	2,731
Capital Employed	1,21,139	1,28,145	1,45,110	1,09,751	1,63,330	1,81,688	1,99,823	2,05,336
Gross Block	52,917	73,269	1,01,117	50,188	75,671	98,813	1,22,667	1,47,797
Less: Accum. Deprn.	4,638	9,014	16,428	12,918	17,628	23,997	31,416	40,206
Net Fixed Assets	48,279	64,255	84,689	37,270	58,043	74,816	91,251	1,07,591
Goodwill on Consolidation	3,069	3,069	5,167	534	534	534	534	534
Capital WIP	25,081	16,450	21,431	27,396	17,246	12,794	16,178	15,423
Total Investments	4,346	7,784	7,893	9,072	7,724	7,724	7,724	7,724
Curr. Assets, Loans&Adv.	1,08,941	1,95,424	1,78,536	1,92,917	2,20,894	2,16,112	2,21,563	2,25,430
Inventory	57,127	1,31,501	1,13,750	95,805	1,15,667	1,23,328	1,32,170	1,36,129
Account Receivables	9,645	16,544	14,765	13,740	14,196	14,075	15,494	15,623
Cash and Bank Balance	7,385	7,123	9,508	24,012	21,712	4,292	1,810	1,742
Loans and Advances	34,784	40,256	40,513	59,360	69,319	74,417	72,089	71,937
Curr. Liability & Prov.	68,577	1,58,837	1,52,606	1,57,438	1,41,111	1,30,292	1,37,427	1,51,366
Account Payables	13,542	12,530	12,249	10,820	9,800	11,504	13,217	13,962
Other Current Liabilities	53,517	1,43,608	1,35,265	1,41,805	1,23,211	1,13,858	1,18,782	1,31,592
Provisions	1,518	2,699	5,092	4,813	8,100	4,930	5,428	5,812
Net Current Assets	40,364	36,587	25,930	35,479	79,783	85,820	84,136	74,064
Appl. of Funds	1,21,139	1,28,145	1,45,110	1,09,751	1,63,330	1,81,688	1,99,823	2,05,336

Financials and valuations

Ratios								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
Basic (INR)	1110	1115	1120			11252		11252
EPS	11.3	10.2	14.0	11.9	12.1	8.7	13.7	14.7
Cash EPS	15.4	18.8	31.7	27.7	24.7	25.6	33.5	38.1
BV/Share	126.2	112.7	142.9	178.0	242.5	256.8	270.5	285.2
DPS	0.7	0.8	0.7	2.6	0.0	0.0	0.0	0.0
Payout (%)	7.7	8.2	6.4	8.2	0.0	0.0	0.0	0.0
Valuation (x)	7.7	0.2	0.4	0.2	0.0	0.0	0.0	0.0
P/E	40.5	45.1	32.9	38.5	34.1	47.8	30.2	28.2
Cash P/E	29.7	24.4	14.5	16.6	16.8	16.1	12.4	10.9
P/BV	3.6	4.1	3.2	2.6	10.0	1.6	1.5	10.5
EV/Sales	4.3	4.8	3.2	2.7	3.3	3.2	3.1	2.9
EV/EBITDA	18.3	17.0	11.1	9.9	13.7	13.2	11.8	10.6
Dividend Yield (%)	0.2	0.2	0.2	0.6	0.0	0.0	0.0	0.0
FCF per share	-9.9	11.6	-2.8	27.3	-3.3	-58.9	-21.3	18.5
Return Ratios (%)					0.0	00.0		20.0
RoE	9.3	8.5	10.9	7.4	5.8	3.5	5.2	5.3
RoCE	7.1	7.0	9.1	10.0	7.9	5.9	6.9	7.0
RoIC	8.6	8.4	11.0	13.3	10.3	6.2	6.4	6.4
Working Capital Ratios								
Fixed Asset Turnover (x)	1.0	0.7	0.8	1.4	0.8	0.8	0.7	0.6
Asset Turnover (x)	0.5	0.4	0.6	0.7	0.4	0.4	0.4	0.4
Inventory (Days)	379	928	511	481	661	605	589	566
Debtor (Days)	64	117	66	69	81	69	69	65
Creditor (Days)	90	88	55	54	56	56	59	58
Leverage Ratio (x)								
Current Ratio	1.6	1.2	1.2	1.2	1.6	1.7	1.6	1.5
Interest Cover Ratio	2.0	1.6	1.7	1.4	1.9	1.6	1.7	1.7
Net Debt/Equity	1.2	1.6	1.3	0.0	0.4	0.5	0.6	0.7
Consolidated Cash flow								
Y/E March	FY18	FY19	FY20	FY21	FY22	FY23E	FY24E	FY25E
OP/(Loss) before Tax	6,245	5,203	7,845	20,719	15,093	6,119	8,435	9,016
Depreciation	1,547	3,229	6,667	5,926	4,710	6,369	7,420	8,790
Interest & Finance Charges	4,978	6,106	9,048	9,899	5,553	5,661	5,762	6,220
Direct Taxes Paid	-2,135	-1,985	-2,783	-2,074	-2,361	-2,588	-2,109	-2,254
(Inc)/Dec in WC	8,152	3,515	13,042	545	8,141	-23,457	-798	10,003
CF from Operations	18,787	16,068	33,819	35,015	31,136	-7,896	18,710	31,776
Others	0	0	0	-16,495	-9,737	2,960	0	0
CF from Operating incl EO	18,787	16,068	33,819	18,520	21,399	-4,936	18,710	31,776
(Inc)/Dec in FA	-22,502	-11,721	-34,927	-7,591	-22,704	-18,690	-27,239	-24,374
Free Cash Flow	-3,714	4,347	-1,108	10,929	-1,305	-23,625	-8,529	7,402
(Pur)/Sale of Investments	-1,808	-3,438	-109	-4,060	-18,144	0	0	0
Others	679	1,122	1,185	16,562	394	1,860	2,701	2,893
CF from Investments	-23,631	-14,037	-33,851	4,911	-40,454	-16,829	-24,538	-21,481
Issue of Shares	0	0	259	0	0	0	0	0
Inc/(Dec) in Debt	9,518	13,030	4,161	4,812	21,358	13,000	13,000	0
Interest Paid	-5,657	-7,228	-10,233	-9,847	-5,341	-7,521	-8,463	-9,113
Dividend Paid	-326	-365	-354	0	0	0	0	0
Others	-533	-263	-1,455	-1,415	-33	-1,134	-1,191	-1,250
CF from Fin. Activity	3,002	5,174	-7,622	-6,450	15,984	4,345	3,346	-10,363
Inc/Dec of Cash	-1,842	7,205	-7,654	16,981	-3,071	-17,420	-2,482	-68
Opening Balance	15,935	14,094	21,299	7,031	24,012	21,712	4,292	1,810
Closing Balance	14,094	21,299	13,646	24,012	20,941	4,292	1,810	1,742

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 is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend.

Disclosures

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

Motilal Oswal Financial Services Ltd. (MOFSL) is a SEBI Registered Research Analyst having registration no. INH000000412. MOFSL, 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. MOFSL is a listed public company, the details in respect of which are available on www.motilaloswal.com. MOFSL (erstwhile Motilal Oswal Securities Limited - MOFSL) 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 (BSE), Multi Commodity Exchange of India Limited (MCX) and National Commodity & Derivatives Exchange Limited (NCDEX) for its stock broking activities & is Depository participant with Central Depository Services Limited (CDSL) National Securities Depository Limited (NSDL), NERL, COMRIS and CCRL and is member of Association of Mutual Funds of India (AMFI) for distribution of financial products and Insurance Regulatory & Development Authority of India (IRDA) as Corporate Agent for insurance products. Details of associate entities of Motilal Oswal Financial Services Limited are available on the website at

http://onlinereports.motilaloswal.com/Dormant/documents/List%20of%20Associate%20companies.pdf

MOFSL and its associate company(ies), their directors and Research Analyst and their relatives may; (a) from time to time, have a long or short position in, act as principal in, and buy or sell the securities or derivatives thereof of companies mentioned herein. (b) be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies) or may have any other potential conflict of interests with respect to any recommendation and other related information and opinions.; however the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.

MOFSL 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 MOFSL 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. Details of pending Enquiry Proceedings of Motilal Oswal Financial Services Limited are available on the website at http galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx

A graph of daily closing prices of securities is available at www.nseindia.com. Research Analyst views on Subject Company may vary based on Fundamental research and Technical Research. Proprietary trading desk of MOFSL or its associates maintains arm's length distance with Research Team as all the activities are segregated from MOFSL research activity and therefore it can have an independent view with regards to Subject Company for which Research Team have expressed their views. Regional Disclosures (outside India)

This report is not directed or intended for distribution, publication, availability or use would be contrary to law, regulation or which would subject MOFSL & 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.

For U.S.

Motilal Oswal Financial Services Limited (MOFSL) 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 MOFSL 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 MOFSL, 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., MOFSL has entered into a chaperoning agreement with a U.S. registered brokerdealer, Motilal 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 /gualified 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. 201129401Z) 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.

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report 3
- Research Analyst has not served as director/officer/employee in the subject company MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months 6
- MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- MOFSL has not received any compensation or other benefits from third party in connection with the research report
- MOFSL has not engaged in market making activity for the subject company

The associates of MOFSL may have:

- financial interest in the subject company
- 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 or date of the public appearance.
- received compensation/other benefits from the subject company in the past 12 months
- any other potential conflict of interests with respect to any recommendation and other related information and opinions; however, the same shall have no bearing whatsoever on the specific recommendations made by the analyst(s), as the recommendations made by the analyst(s) are completely independent of the views of the associates of MOFSL even though there might exist an inherent conflict of interest in some of the stocks mentioned in the research report.
- acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- be engaged in any other transaction involving such securities and earn brokerage or other compensation or act as a market maker in the financial instruments of the company(ies) discussed herein or act as an advisor or lender/borrower to such company(ies)
- received compensation from the subject company in the past 12 months for investment banking / merchant banking / brokerage services or from other than said services.
- Served subject company as its clients during twelve months preceding the date of distribution of the research report.

The associates of MOFSL has not received any compensation or other benefits from third party in connection with the research report

Above disclosures include beneficial holdings lying in demat account of MOFSL which are opened for proprietary investments only. While calculating beneficial holdings, It does not consider demat accounts which are opened in name of MOFSL for other purposes (i.e holding client securities, collaterals, error trades etc.). MOFSL also earns DP income from clients which are not considered in above disclosures.

Analyst Certification

The views expressed in this research report accurately reflect the personal views of the analyst(s) about the subject securities or issues, and no part of the compensation of the research analyst(s) was, is, or will be directly or indirectly related to the specific recommendations and views expressed by research analyst(s) in this report. Terms & Conditions:

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

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 sell 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 of 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 alternations to this statement as may be required from time to time without any prior approval. MOFSL, 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 MOFSL. The views expressed are those of the analyst, and 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 MOFSL 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 MOFSL or any of its affiliates or employees from, any and all responsibility/liability arising from such misuse and agrees not to hold MOFSL or any of its affiliates or employees responsible for any such misuse and further agrees to hold MOFSL 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 71881000. Details of Compliance Officer: Neeraj Agarwal, Email Id: na@motilaloswal.com, Contact No.:022-71881085.

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL: IN-DP-16-2015; NSDL: IN-DP-NSDL-152-2000; Research Analyst: INH000000412. AMFI: ARN .: 146822. IRDA Corporate Agent - CA0579. Motilal Oswal Financial Services Ltd. is a distributor of Mutual Funds, PMS, Fixed Deposit, Insurance, Bond, NCDs and IPO products. Customer having any query/feedback/ clarification may write to query@motilaloswal.com. In case of grievances for any of the services rendered by Motilal Oswal Financial Services Limited (MOFSL) write to grievances@motilaloswal.com, for DP to dpgrievances@motilaloswal.com.