

Sun TV Network

Estimate change	↔
TP change	↔
Rating change	↔

Bloomberg	SUNTV IN
Equity Shares (m)	394
M.Cap.(INRb)/(USDb)	246.8 / 3
52-Week Range (INR)	735 / 394
1, 6, 12 Rel. Per (%)	-11/1/18
12M Avg Val (INR M)	547

Financials & Valuations (INR b)

INRb	FY23	FY24E	FY25E
Sales	36.6	40.3	42.9
EBITDA	23.5	25.7	27.3
Adj. PAT	16.7	18.5	19.5
EBITDA Margin (%)	64.2	63.7	63.7
Adj. EPS (INR)	42.5	47.1	49.4
EPS Gr. (%)	1.8	10.7	5.0
BV/Sh. (INR)	231.9	253.5	275.2

Ratios

Net D:E	-0.7	-0.7	-0.7
RoE (%)	19.5	18.6	17.9
RoCE (%)	19.5	19.4	18.7
Payout (%)	59.8	54.0	56.1

Valuations

P/E (x)	14.8	13.3	12.7
P/B (x)	2.7	2.5	2.3
EV/EBITDA (x)	9.0	7.3	8.3
Div . Yield (%)	3.5	3.5	3.8
FCF Yield (%)	7.0	4.6	6.3

Shareholding pattern (%)

As On	Dec-23	Sep-23	Dec-22
Promoter	75.0	75.0	75.0
DII	6.6	4.5	3.8
FII	9.0	10.6	10.4
Others	9.4	11.0	10.8

FII Includes depository receipts

CMP: INR626 TP: INR750 (+20%) Buy

Soft revenue growth drags profitability

- SUNTV's EBITDA remained flat YoY at INR5.7b (in line) with margins contracting 200bps YoY, dragged by higher operating expenses and soft revenue growth. Revenue grew 3.3% YoY to INR8.9b (in line), exhibiting some moderation. This is primarily attributed to weakened ad revenues, stemming from the impact of cricket World Cup.
- Prolonged weakness within the ad revenues despite festive push, coupled with risk around market share loss and strong competition from deep-pocketed OTT players, continues to pose concerns. However, steady growth within subscription revenues along with improving signs of FMCG spends could aid recovery in the coming period. This, coupled with upbeat valuation for the new IPL team and steady state dividend payout (>50%) makes the stock's valuation compelling at 8.4x EV/EBITDA on FY25 basis. **We reiterate our BUY rating on the stock with a TP of INR750.**

EBITDA remains flat YoY (in line), dragged by higher opex

- Revenues reported a growth of 3.3% YoY to INR8.9b (in line), mainly driven by subscription revenue growth; however, ad revenues were adversely impacted by the cricket World Cup.
 - Zee's ad revenues declined 3% YoY, citing the impact of cricket World Cup.
 - Revenue for the quarter included INR89.8m, attributed to cricket franchisee income.
- Operating expenses grew 9.6% YoY to INR3.1b (in line), mainly driven by other expenses growth of 20.2% YoY, which included cricket franchisee fee of INR17.6m. Production cost/ Employee expenses grew 8.2%/4.2% YoY.
- As a result, EBITDA remained flat YoY at INR5.7b with margins contracting 200bp to 64.8%, dragged by weak revenue growth.
- Net profits grew 5% YoY to INR4.4b (12% beat), mainly driven by healthy growth of 37% in other income.
- The company declared an interim dividend of INR2.5/share.

Valuation and view

- The prolonged weakness in ad revenues has affected the top-line growth. The recovery of ad spends, particularly evident in the FMCG segment, will remain a key monitorable for the stock.
- The company's ongoing conservative approach toward investments in OTT, prioritizing movie production and monetizing its existing library, poses a key risk within the fast-growing OTT space.
- SUNTV's healthy liquidity and a cash balance of INR4.9b as on Mar'23 offers room to intensify investments within the linear and hyper competitive OTT space. This, along with a healthy dividend payout potential and a reasonable valuation, offer support to the stock.
- We expect a revenue/PAT CAGR of 8%/8% over FY23-25, building in gradual recovery within the ad revenues and continued momentum within the subscription revenues.
- We value the stock at 15x FY25E P/E on FY26 basis to arrive at our TP of INR750. **We reiterate our BUY rating on the stock.**

Aliasgar Shakir - Research Analyst (Aliasgar.Shakir@motilaloswal.com)

Research Analyst: Tanmay Gupta (Tanmay.Gupta@motilaloswal.com | **Harsh Gokalgandhi** (Harsh.Gokalgandhi@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.

Standalone - Quarterly Earning Model

(INR m)

Y/E March	FY23E				FY24E				FY23	FY24E	FY24	Est Var
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			3QE	(%)
Revenue	11,939	7,964	8,575	8,135	13,178	10,180	8,855	8,105	36,614	40,318	8,973	-1
YoY Change (%)	47.4	-3.9	-17.0	-2.3	10.4	27.8	3.3	-0.4	4.5	10.1	4.6	
Total Expenditure	4,301	2,717	2,844	3,259	5,313	3,018	3,117	3,174	13,121	14,623	3,103	0
EBITDA	7,638	5,248	5,731	4,876	7,865	7,162	5,738	4,931	23,493	25,695	5,870	-2
YoY Change (%)	54.3	0.8	-20.6	-11.9	3.0	36.5	0.1	1.1	2.6	9.4	2.4	
Depreciation	2,079	755	1,092	752	852	2,143	1,109	1,103	4,678	5,207	1,335	-17
Interest	14	13	11	15	22	7	9	16	54	54	13	-34
Other Income	1,009	861	942	808	1,156	1,071	1,293	824	3,620	4,344	697	86
PBT	6,554	5,341	5,569	4,917	8,147	6,082	5,913	4,636	22,381	24,778	5,218	13
Tax	1,637	1,334	1,406	1,259	2,319	1,520	1,540	856	5,636	6,234	1,313	
Rate (%)	25.0	25.0	25.2	25.6	28.5	25.0	26.0	18.5	25.2	25.2	25.2	
Reported PAT	4,917	4,007	4,163	3,658	5,828	4,562	4,373	3,780	16,745	18,544	3,905	12
YoY Change (%)	26.1	1.9	-9.0	-9.5	18.5	13.9	5.0	3.3	1.8	10.7	-6.2	

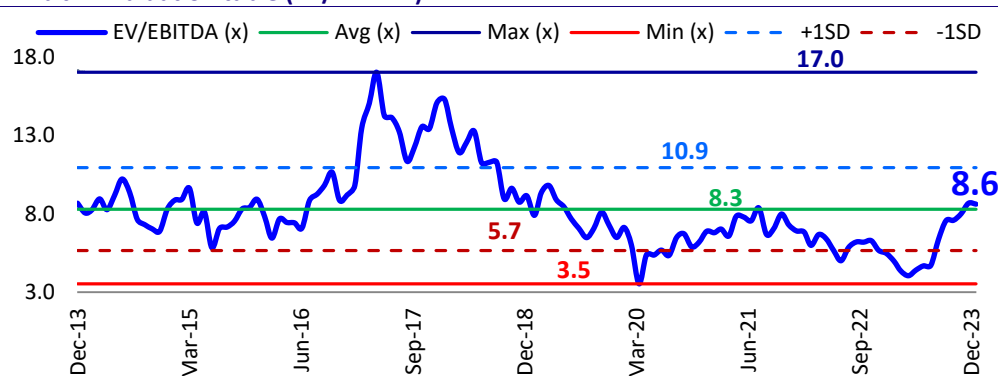
E: MOFSL Estimates

Exhibit 1: Valuation based on FY26E EPS

Valuation	March'26
EPS (INR)	51
PE multiple (x)	15
Target Price (INR)	750
CMP (INR)	627
Upside (%)	20%

Source: Company, MOFSL

Exhibit 2: Valuation table (EV/EBITDA)



Source: Company, MOFSL

Exhibit 3: Quarterly performance (INR m)

INR m	3QFY23	2QFY24	3QFY24	YoY%	QoQ%	3QFY24E	v/s est (%)
Revenue	8,575	10,180	8,855	3.3	-13.0	8,973	-1.3
Operating expenditure	2,844	3,018	3,117	9.6	3.3	3,103	0.5
EBITDA	5,731	7,162	5,738	0.1	-19.9	5,870	-2.3
EBITDA margin (%)	66.8	70.4	64.8	-203bps	-556bps	65.4	-62bps
Depreciation & amortization	1,092	2,143	1,109	1.5	-48.3	1,335	-16.9
EBIT	4,639	5,019	4,629	-0.2	-7.8	4,535	2.1
Interest	11	7	9	-21.9	23.6	13	-33.7
Other income	942	1,071	1,293	37.3	20.8	697	85.6
PBT	5,569	6,082	5,913	6.2	-2.8	5,218	13.3
Tax	1,406	1,520	1,540	9.5	1.3	1,313	17.3
Effective tax rate (%)	25.2	25.0	26.0	79bps	105bps	25.2	88bps
PAT	4,163	4,562	4,373	5.0	-4.1	3,905	12.0
Adjusted PAT	4,163	4,562	4,373	5.0	-4.1	3,905	12.0

Source: MOFSL, Company

Exhibit 4: Breakup of operating expenses (INR m)

Operating Cost	3QFY23	2QFY24	3QFY24	YoY%	QoQ%	3QFY24E	v/s est (%)
Production cost	1604	1705	1,735	8.2	1.8	1,764	-1.7
Employee cost	682	727	710	4.2	-2.3	729	-2.6
Other exp	559	586	672	20.2	14.6	609	10.3
Total Operating expenses	2,844	3,018	3,117	9.6	3.3	3,103	0.5

Source: MOFSL, Company

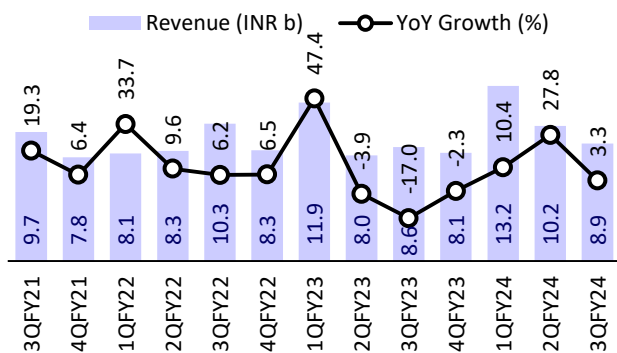
Exhibit 5: Estimate change summary

	FY24E	FY25E
Advt Revenue (INRb)		
Old	14.3	15.5
Actual/New	14.0	15.3
Change (%)	-1.5	-1.5
Subscription Revenue (INRb)		
Old	18.1	19.3
Actual/New	18.1	19.3
Change (%)	0.0	0.0
Revenue (INRb)		
Old	40.5	43.1
Actual/New	40.3	42.9
Change (%)	-0.5	-0.5
EBITDA (INRb)		
Old	26.0	27.6
Actual/New	25.7	27.3
Change (%)	-1.0	-1.1
EBITDA margin (%)		
Old	64.1	64.0
Actual/New	63.7	63.7
Change (bp)	-33.1	-33.6
PAT (INRb)		
Old	18.2	19.4
Actual/New	18.5	19.5
Change (%)	1.9	0.4
EPS (INR)		
Old	46.2	49.2
Actual/New	47.1	49.4
Change (%)	1.9	0.4

Source: MOFSL, Company

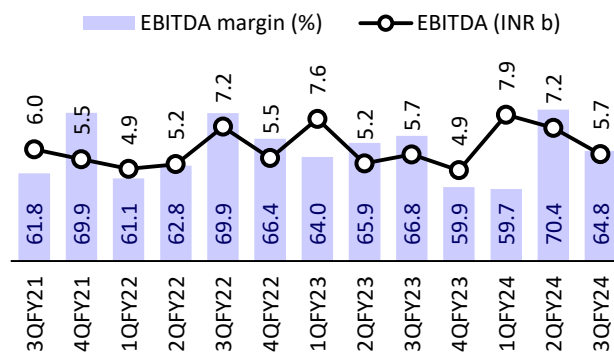
Story in charts

Exhibit 6: Revenue growth moderated to 3.3% YoY



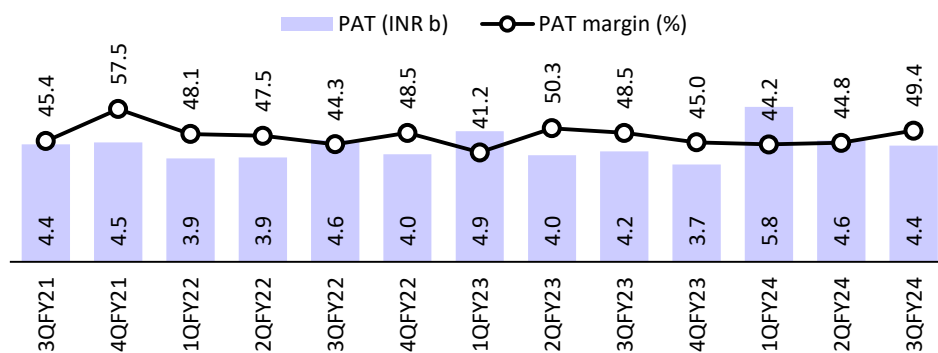
Source: MOFSL, Company

Exhibit 7: EBITDA remained flat YoY



Source: MOFSL, Company

Exhibit 8: PAT grew 49% YoY, driven by other income growth



Source: MOFSL, Company

Financials and valuations

Standalone - Income Statement

(INR m)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Total Income from Operations	36,633	34,044	31,166	35,049	36,614	40,318	42,887	45,655
Change (%)	28.0	-7.1	-8.5	12.5	4.5	10.1	6.4	6.5
Production Costs	4,202	5,456	4,030	5,450	6,099	6,709	7,111	7,538
Employees Cost	3,006	2,924	2,797	2,674	2,746	2,910	3,114	3,332
Other Expenses	3,781	3,304	3,665	4,287	4,276	5,003	5,353	5,728
Total Expenditure	10,990	11,684	10,492	12,411	13,121	14,623	15,579	16,598
% of Sales	30.0	34.3	33.7	35.4	35.8	36.3	36.3	36.4
EBITDA	25,643	22,361	20,674	22,638	23,493	25,695	27,308	29,057
Margin (%)	70.0	65.7	66.3	64.6	64.2	63.7	63.7	63.6
Depreciation	6,467	6,793	3,821	2,867	4,678	5,207	5,587	5,967
EBIT	19,176	15,567	16,853	19,771	18,815	20,488	21,720	23,089
Int. and Finance Charges	17	78	220	287	54	54	54	54
Other Income	2,200	2,489	2,714	2,448	3,620	4,344	4,344	3,943
PBT bef. EO Exp.	21,359	17,979	19,348	21,931	22,381	24,778	26,011	26,979
EO Items	0	0	0	0	0	0	0	0
PBT after EO Exp.	21,359	17,979	19,348	21,931	22,381	24,778	26,011	26,979
Total Tax	7,411	4,261	4,144	5,483	5,636	6,234	6,544	6,788
Tax Rate (%)	34.7	23.7	21.4	25.0	25.2	25.2	25.2	25.2
Reported PAT	13,949	13,718	15,204	16,448	16,745	18,544	19,467	20,191
Adjusted PAT	13,949	13,718	15,204	16,448	16,745	18,544	19,467	20,191
Change (%)	27.6	-1.7	10.8	8.2	1.8	10.7	5.0	3.7
Margin (%)	38.1	40.3	48.8	46.9	45.7	46.0	45.4	44.2

Standalone - Balance Sheet

(INR m)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Equity Share Capital	1,970	1,970	1,970	1,970	1,970	1,970	1,970	1,970
Total Reserves	52,435	54,271	67,520	78,562	89,411	97,942	1,06,484	1,15,751
Net Worth	54,405	56,241	69,490	80,532	91,381	99,912	1,08,455	1,17,722
Total Loans	0	0	0	0	0	0	0	0
Deferred Tax Liabilities	1,056	851	0	0	0	0	0	0
Capital Employed	55,461	57,092	69,490	80,532	91,381	99,912	1,08,455	1,17,722
Gross Block	28,402	35,302	37,337	48,854	53,116	57,116	61,116	65,116
Less: Accum. Deprn.	19,046	25,839	29,660	32,527	37,205	42,412	47,999	53,967
Net Fixed Assets	9,356	9,463	7,678	16,327	15,911	14,704	13,117	11,149
Capital WIP	133	663	1,463	2,441	1,313	1,313	1,313	1,313
Total Investments	30,505	29,490	37,641	38,267	56,308	56,308	56,308	56,308
Curr. Assets, Loans&Adv.	20,700	23,552	30,995	30,299	26,015	33,164	43,649	55,267
Account Receivables	10,790	13,100	13,944	13,945	14,360	15,464	16,450	17,511
Cash and Bank Balance	4,709	5,288	8,753	9,175	4,917	10,520	19,563	29,625
Loans and Advances	5,199	5,164	8,298	7,179	6,738	7,164	7,620	8,112
Curr. Liability & Prov.	5,233	6,074	8,287	6,801	8,166	5,577	5,932	6,315
Account Payables	1,986	2,771	2,594	2,036	2,334	2,209	2,350	2,502
Other Current Liabilities	3,073	3,094	3,290	4,570	5,631	3,104	3,302	3,515
Provisions	174	209	2,402	195	201	263	280	298
Net Current Assets	15,468	17,477	22,709	23,498	17,850	27,587	37,717	48,952
Appl. of Funds	55,461	57,092	69,490	80,532	91,381	99,912	1,08,455	1,17,722

E: MOFSL Estimates

Financials and valuations

Ratios

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
Basic (INR)								
EPS	35.4	34.8	38.6	41.7	42.5	47.1	49.4	51.2
Cash EPS	51.8	52.0	48.3	49.0	54.4	60.3	63.6	66.4
BV/Share	138.1	142.7	176.3	204.4	231.9	253.5	275.2	298.7
DPS	12.5	25.0	5.0	20.0	22.0	22.0	24.0	24.0
Payout (%)	40.8	82.9	15.0	55.3	59.8	54.0	56.1	54.1
Valuation (x)								
P/E	17.7	18.0	16.3	15.0	14.8	13.3	12.7	12.2
Cash P/E	12.1	12.0	13.0	12.8	11.5	10.4	9.9	9.4
P/BV	4.5	4.4	3.6	3.1	2.7	2.5	2.3	2.1
EV/Sales	6.0	6.4	6.7	6.0	5.8	4.6	5.3	4.8
EV/EBITDA	8.5	9.8	10.1	9.3	9.0	7.3	8.3	7.5
Dividend Yield (%)	2.0	4.0	0.8	3.2	3.5	3.5	3.8	3.8
FCF per share	31.2	24.2	30.8	12.3	44.0	28.7	39.8	43.4
Return Ratios (%)								
RoE	27.7	24.8	24.2	21.9	19.5	18.6	17.9	17.2
RoCE	27.7	24.9	24.5	22.2	19.5	19.4	18.7	17.9
RoIC	63.2	56.9	61.2	56.7	47.3	50.6	51.6	56.0
Working Capital Ratios								
Fixed Asset Turnover (x)	1.3	1.0	0.8	0.7	0.7	0.7	0.7	0.7
Asset Turnover (x)	0.7	0.6	0.4	0.4	0.4	0.4	0.4	0.4
Inventory (Days)	0	0	0	0	0	0	0	0
Debtor (Days)	108	140	163	145	143	140	140	140
Creditor (Days)	20	30	30	21	23	20	20	20
Leverage Ratio (x)								
Current Ratio	4.0	3.9	3.7	4.5	3.2	5.9	7.4	8.8
Net Debt/Equity	-0.6	-0.6	-0.7	-0.6	-0.7	-0.7	-0.7	-0.7

Standalone - Cash Flow Statement

(INR m)

Y/E March	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E	FY26E
OP/(Loss) before Tax	21,359	17,989	19,348	21,931	22,381	24,778	26,011	26,979
Depreciation	6,467	6,793	3,821	2,867	4,678	5,207	5,587	5,967
Interest & Finance Charges	17	78	220	287	54	54	54	54
Direct Taxes Paid	-7,226	-4,254	-5,379	-6,908	-5,706	-6,234	-6,544	-6,788
(Inc)/Dec in WC	-848	-2,618	-1,546	-538	2,516	-4,135	-1,087	-1,172
CF from Operations	19,769	17,988	16,463	17,639	23,924	19,670	24,020	25,040
Others	-1,997	-1,885	-2,019	-1,499	-3,352	-4,344	-4,344	-3,943
CF from Operating incl EO	17,772	16,103	14,444	16,140	20,572	15,326	19,676	21,097
(Inc)/Dec in FA	-5,479	-6,579	-2,291	-11,292	-3,219	-4,000	-4,000	-4,000
Free Cash Flow	12,293	9,524	12,154	4,848	17,352	11,326	15,676	17,097
(Pur)/Sale of Investments	-5,654	1,091	-7,587	-923	-13,799	0	0	0
Others	482	1,814	-1,542	2,515	1,774	4,344	4,344	3,943
CF from Investments	-10,651	-3,675	-11,419	-9,701	-15,245	344	344	-57
Issue of Shares	0	0	0	0	0	0	0	0
Inc/(Dec) in Debt	0	0	0	0	0	0	0	0
Interest Paid	-17	-291	-465	-542	-301	-54	-54	-54
Dividend Paid	-5,939	-11,877	-1,970	-5,419	-5,911	-10,014	-10,924	-10,924
Others	0	17	0	0	0	0	0	0
CF from Fin. Activity	-5,955	-12,151	-2,435	-5,961	-6,213	-10,067	-10,978	-10,978
Inc/Dec of Cash	1,164	278	588	487	-886	5,603	9,042	10,062
Opening Balance	2,583	3,747	4,025	4,613	5,099	4,214	9,817	18,859
Closing Balance	3,746	4,025	4,613	5,100	4,214	9,817	18,859	28,921
Other bank balance	963	1,263	4,140	4,076	704	704	704	704
Closing Balance (incl other bank bal)	4,709	5,288	8,753	9,175	4,917	10,520	19,563	29,625

Investment in securities market are subject to market risks. Read all the related documents carefully before investing

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 - 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 (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://online.reports.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 <https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx>

A graph of daily closing prices of securities is available at www.nseindia.com, www.bseindia.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 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 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 broker-dealer, 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 /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. 201129401Z) which is a holder of a capital markets services license and an exempt financial adviser in 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 of Singapore. Accordingly, if a Singapore person is not, or ceases to be, such an investor, they must immediately discontinue any use of this Report and inform MOCMSPL .

Specific Disclosures

- 1 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.
- 2 MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- 4 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
- 5 Research Analyst has not served as director/officer/employee in the subject company
- 6 MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months
- 7 MOFSL has not received compensation for investment banking/ merchant banking/brokerage services from the subject company in the past 12 months
- 8 MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months
- 9 MOFSL has not received any compensation or other benefits from third party in connection with the research report
- 10 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 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. 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, 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 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.

This report is meant for the clients of Motilal Oswal only.

Investment in securities market are subject to market risks. Read all the related documents carefully before investing.

Registration granted by SEBI and certification from NISM in no way guarantee performance of the intermediary or provide any assurance of returns to investors.

Registered Office Address: Motilal Oswal Tower, Rahimtullah Sayani Road, Opposite Parel ST Depot, Prabhadevi, Mumbai-400025; Tel No.: 022 - 71934200 / 71934263;

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.:022-40548085.

Grievance Redressal Cell:

Contact Person	Contact No.	Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

Registration details of group entities.: Motilal Oswal Financial Services Ltd. (MOFSL): INZ000158836 (BSE/NSE/MCX/NCDEX); CDSL and NSDL: IN-DP-16-2015; 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.