

ACME Solar Holdings

Estimate change	↑
TP change	↓
Rating change	↔

Bloomberg	ACMESOLA IN
Equity Shares (m)	707
M.Cap.(INRb)/(USDb)	255 / 2.7
52-Week Range (INR)	399 / 196
1, 6, 12 Rel. Per (%)	-7/64/31
12M Avg Val (INR M)	499

Financials Snapshot		(INR b)		
Y/E March	FY26	FY27E	FY28E	
Sales	20.2	43.4	82.0	
EBITDA	17.8	32.8	65.5	
Adj. PAT	5.0	8.7	17.1	
EPS (INR)	8.2	12.3	24.2	
EPS Gr. (%)	81.6	49.8	96.8	
BV/Sh. (INR)	83.6	123.5	147.5	
ND/Equity	2.5	2.8	3.5	
ND/EBITDA	7.2	7.3	5.5	
RoE (%)	10.4	12.6	17.8	
RoIC (%)	6.0	6.9	8.7	
Valuations				
P/E (x)	44.0	29.4	14.9	
EV/EBITDA (x)	20.4	15.6	9.6	

Shareholding Pattern (%)			
As On	Jun-26	Mar-26	Jun-25
Promoter	71.4	83.3	83.4
DII	19.1	7.1	6.6
FII	4.6	3.7	5.8
Others	4.9	6.0	4.2

CMP: INR361 **TP: INR427 (+18%)** **Buy**

Strong earnings momentum to continue

- **Strong 1Q:** ACME Solar Holdings (ACME) reported revenue of INR8.6b, 9% above our estimate, driven by higher-than-expected capacity utilization factor (CUF) and BESS revenue. EBITDA was 14% above our est. at INR7.3b, with an EBITDA margin of 86% (vs. our est. of 82%). Adjusted PAT came in at INR2.4b, beating our estimate by 39%.
- **Key things we liked about the result:** 1) PPAs secured for 76% of the 5.1GW pipeline, providing full visibility on planned capacity additions through FY28; 2) strong BESS performance, with revenue of INR2.3b (~26% of 1QFY27 revenue) and an EBITDA margin of 82%; 3) won bids for short-term contracts, securing INR14b+ revenue lock-in for ~80% of targeted 10GWh FY27 BESS capacity, providing strong earnings visibility for BESS business; 4) CUF improved to 30.9% (vs. 28.5% in 1QFY26), driven by higher irradiation and improved plant performance; and 5) commissioned ~2.3GWh of BESS during the quarter, taking total commissioned BESS capacity to ~3.6GWh and a target of 10GWh by FY27 end.
- **Key monitorables include:** 1) pace of commissioning against the FY27 guidance of 1.5GW renewable capacity additions; 2) progress toward the targeted 10GWh BESS capacity by end-FY27 and the sustainability of BESS margins; and 3) new bidding activity and the pace of PPA signings.
- **Valuation and view:** We assign an EV/EBITDA multiple of 11x (vs. 10x earlier) to core FY28E EBITDA and 6x to Merchant FY28E EBITDA. Adjusting for net debt, we derive our TP of INR427, implying an 18% potential upside.

Strong beat on EBITDA and APAT

Financial Highlights

- ACME reported 1QFY27 consolidated revenue of INR8.6b (+68% YoY, +57% QoQ), beating our estimate by 9%, driven by higher-than-expected capacity utilization factor (CUF) and BESS revenue.
- EBITDA was 14% above our est. at INR7.3b (+60% YoY, +53% QoQ), while EBITDA margin stood at 86% (vs. our est. of 82%).
- Adjusted PAT came in at INR2.4b (+60% YoY, +88% QoQ), beating our estimate by 39%.

Other Highlights

- Quarterly CUF improved to 30.9% in 1QFY27 (vs. 28.5% in 1QFY26).
- Power generation increased 23.4% YoY to 2,020MUs, driven by capacity additions, higher irradiation, and improved plant performance.
- Revenue included an INR2,260m contribution from the phased operationalization of ~3.1GWh of BESS during the quarter. BESS EBITDA margin stood at 82% (lower than the RE portfolio, as it included power purchased cost).
- It commissioned ~2.3GWh of BESS during the quarter, taking the total commissioned BESS capacity to ~3.62GWh.
- The company incurred capex of INR29.5b during the quarter.

Highlights from the management commentary

- BESS commissioning guidance has been advanced by three quarters, with over 10GWh now targeted by FY27 end compared to CY27 earlier, alongside 1.5GW of RE capacity commissioning during the year.
- ACME's operational capacity stands at 3GW, with an under-construction capacity of 5.1GW (76% PPA-backed), taking the total to 8.1GW.
- The company signed PPAs for 600MW during 1QFY27, comprising a 300MW FDRE project and a 300MW hybrid project with SECI.
- INR30b capex was incurred in 1Q and guidance for FY27 stands at INR150-200b.
- Short-term BESS contracts have locked in INR14b of revenue at realizations of INR8-10 per unit, covering 70-80% of the 10GWh base, with the balance to be tied up through the year or sold as merchant power.
- Around 10GWh of BESS will be kept open for merchant and short-term sales each year and shifted to PPA the following year, a cycle management intends to run over the next 3-5 years.
- Battery procurement is 90% contracted ahead of the 6% China export tax from Jan'27, while delivered cost could rise with lithium prices.
- Management expects SECI-backed tendering to revive meaningfully in 6-9 months and sees participation in the medium term, peak power, FDRE, RTC and CFD structures, taking the company beyond its earlier 10GW by 2030 target.

Valuation and view

We reiterate our BUY rating on ACME with a TP of INR427. We assign an EV/EBITDA multiple of 11x to core FY28E EBITDA and 6x to Merchant FY28E EBITDA. Adjusting for net debt, we derive our TP of INR427, implying an 18% potential upside.

Consolidated performance

Y/E March	(INR m)													
	FY26				FY27E				FY26	FY27E	FY27E	Var.	YoY	QoQ
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	%	(%)	(%)
Net Sales	5,110	4,677	4,968	5,479	8,575	9,805	11,203	13,856	20,234	43,439	7,864	9%	68%	57%
YoY Change (%)	65	80	42	13	68	110	126	153	44	115	54			
Total Expenditure	532	675	523	690	1,232	2,409	2,729	4,622	2,420	10,993	1,395	-12	132	79
EBITDA	4,578	4,002	4,445	4,788	7,343	7,396	8,474	9,234	17,813	32,447	6,469	14	60	53
YoY Change (%)	68	81	45	10	60	85	91	93	44	82				
Margin (%)	90	86	89	87	86	75	76	67	88	75	82			
Depreciation	1,076	1,174	1,202	1,228	1,548	2,185	2,237	2,740	4,679	8,710	1,301	19	44	26
Interest	2,330	2,645	2,880	3,375	3,443	4,303	5,593	5,623	11,230	18,962	3,737	-8	48	2
Other Income	730	1,336	1,200	1,571	963	1,586	1,977	1,863	4,837	6,389	824	17	32	-39
PBT before EO expense	1,903	1,519	1,563	1,756	3,315	2,494	2,621	2,734	6,741	11,164	2,254			
Extra-Ord income/(exp.)	-159	42	0	143	0	0	0	0	27	0	-			
PBT	1,744	1,562	1,563	1,900	3,315	2,494	2,621	2,734	6,768	11,164	2,254	47	90	74
Tax	436	411	426	517	961	624	655	648	1,789	2,888	564	71	121	86
Tax rate (%)	25	26	27	27	29	25	25	24	26	26	25			
Minority Interest	-0.1	-0.1	-0.1	-10.1	0.0	0.0	0.0	0.0	-10.3	0.0	-			
Reported PAT	1,308	1,151	1,137	1,393	2,353	1,871	1,966	2,086	4,989	8,276	1,691	39	80	69
Adj PAT	1,467	1,108	1,137	1,250	2,353	1,871	1,966	2,086	4,962	8,276	1,691	39	60	88
YoY Change (%)	10465	624	-4	-9	60	69	73	67	82	67	15			
Margin (%)	29	24	23	23	27	19	18	15	25	19	22			

Valuation table

Particulars	Units	Amount
FY28 Core EBITDA	INR m	53,844
EV/EBITDA	Times	11
FY28 Merchant EBITDA	INR m	11,651
EV/EBITDA	Times	6
EV	INR m	6,62,184
Net debt	INR m	3,60,653
Market Cap	INR m	3,01,531
Target Price	INR/sh	427
CMP	INR/sh	361
Upside/(Downside)		18%



Highlights from the management commentary

Operating and financial performance

- Revenue for the quarter stood at INR9.5b. Of this, INR2.3b came from BESS, of which 85% was from short-term contracts and the balance from merchant sales.
- CUF for the quarter was the highest ever at 30.9% vs. 28.5% in 1QFY26, and generation was up 23% YoY. Management attributed the improvement to continuous repowering of operating plants, which also lifts PLFs across the fleet.
- Blended EBITDA margin was 87%. EBITDA margin, excluding BESS, was 91%, and BESS margin was 82%.
- Curtailment reduced revenue by roughly 1%, entirely in state-based projects. ACME plans to add BESS capacity at these projects and route surplus solar into batteries (in line with the recent circular) to help eliminate curtailment.

Outlook and guidance

- BESS commissioning guidance has been advanced by three quarters to over 10GWh by the end of FY27 against CY27 end earlier.
- RE capacity commissioning target for FY27 is 1.5GW.
- Data center-related C&I projects look like a promising sector and the company has started building a team around it, with a concrete plan being evaluated.

BESS portfolio, contracts and economics

- ACME has 3.6GWh of BESS capacity (~40% of India's installed capacity), including 2.3GWh of COD during 1QFY27.
- The company has ordered 15GWh of batteries from CATL and others.
- Short-term BESS contracts secured so far lock in INR14b of revenue (representing ~80% of 10GWh of capacity).
- Realizations on short-term BESS contracts range from INR8-10 per unit, with bids placed on DEEP and the HP DAM market.
- Operating metrics for the BESS fleet: Round-trip efficiency (RTE) of 89%, depth of discharge of 93% and availability of over 99%, with the assets running one cycle a day on a typical four-hour configuration.
- Management reiterated that it does not intend to operate merchant capacity outside of a PPA framework. Around 10GWh of BESS will be kept available for merchant or short-term sales each year and then moved to PPA in the following year for the next 3-5 years.
- Battery is ordered for 90% of PPA-signed projects and management sees the current window as favorable given a 6% export tax in China, effective from Jan'27.
- Delivered BESS cost was locked in at a lower level earlier and could rise with lithium prices, though management capped the likely increase at 5% to 10% and pointed to savings on other components. Hedging gains are not being factored in, with USD300m of battery costs hedged at USD/INR of 89-92.
- Management indicated that 1Q is a seasonally slightly better quarter, and that BESS margins for the remainder of the year should be broadly similar, with a possible moderation of 2-5%.

PPAs and capital deployment

- Capex was INR30b during the quarter, and management guided to INR150-200b of capex across FY27. Financing of INR60b was secured during the quarter, and debt is tied up for 85% of the PPA-signed capacity.
- ACME Marigold is expected to be signed with one of the northeastern states shortly.
- Given high curtailment in Rajasthan, the company will keep plants, substations and evacuation infrastructure ready and operate the batteries in the interim rather than commissioning the project on T-GNA.

BESS Fire incident

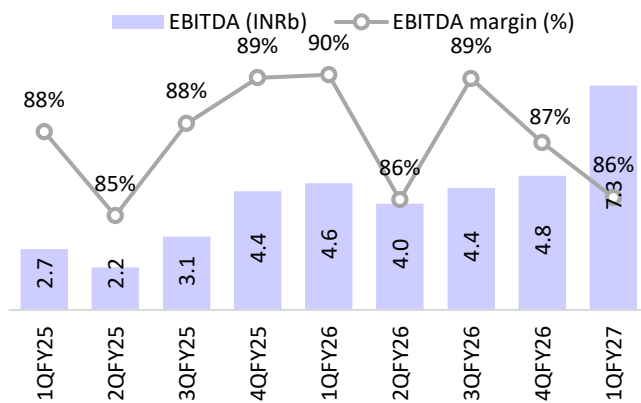
- Technical analysis of the fire incident has been completed and the cause was traced to an electrical short circuit in the AC cabling of the transformer system, which led to an equipment shutdown.
- Management clarified that the fire did not originate in the BESS system and there was no damage to BESS equipment.
- Additional safety measures have since been deployed across sites, including flash sensors, AI-based video monitoring, fire barriers and cable protection, and long-term warranties remain in place.

Sector demand, bidding activity and regulation

- Power demand was up 8.1% YoY in 1QFY27 on elevated cooling demand, with peak demand at 271GW during the quarter and 270GW again in Jul'26.
- Bidding activity has slowed as SECI, now effectively the only REIA, consolidates bids and will only come to market with firm demand. The quantum of bids is, therefore, lower but the bids are more serious, and the bid to PPA cycle time should compress.
- SECI-backed tendering is expected to pick up meaningfully in 6-9 months.
- Medium-term bidding from states is picking up as they resize and realign tenders against execution speed, and Gujarat and other states are coming out with FDRE-type structures.
- Bid volumes look lower on an MW basis, but each MW is RTC and therefore equivalent to 3-4 times plain solar capacity.

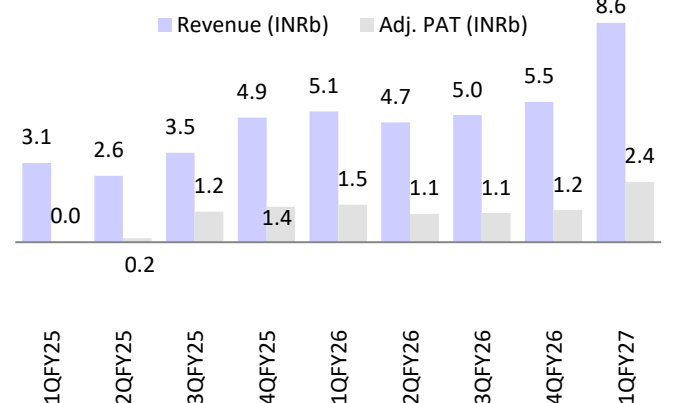
Story in charts – 1QFY27

Exhibit 1: EBITDA & EBITDA margin trends



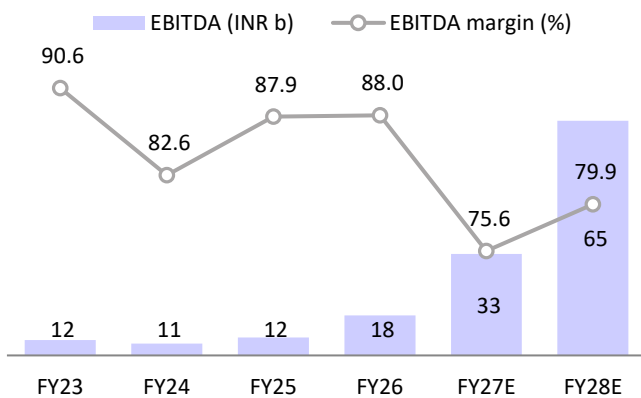
Source: Company, MOFS

Exhibit 2: Revenue & APAT (INRb)



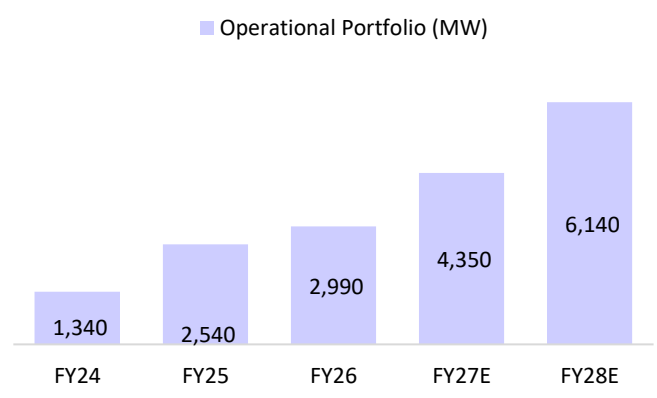
Source: Company, MOFSL

Exhibit 3: Annual EBITDA and EBITDA margin trends



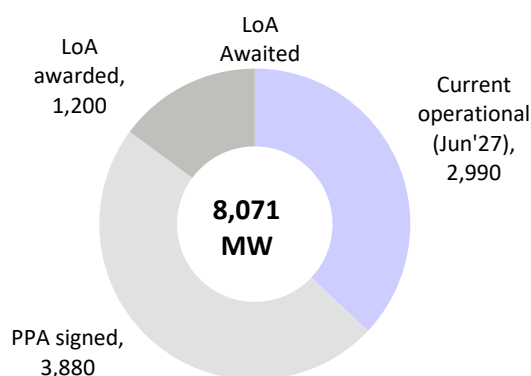
Source: Company, MOFSL

Exhibit 4: Operational portfolio (MW)



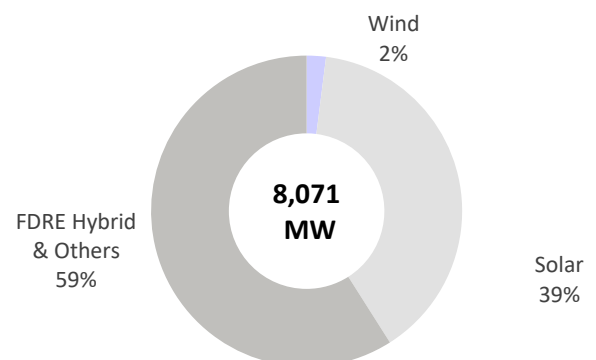
Source: Company, MOFSL

Exhibit 5: ACME's portfolio of 8,071MW



Source: Company, MOFSL

Exhibit 6: Split of the 8,071MW portfolio



Source: Company, MOFSL

Financials and valuations

Consolidated - Income Statement

(INR m)

Y/E March	FY23	FY24	FY25	FY26	FY27E	FY28E
Total Income from Operations	12,949	13,193	14,051	20,234	43,439	81,988
Change (%)	-13%	2%	7%	44%	115%	89%
EBITDA	11,726	10,891	12,354	17,813	32,836	65,494
Change (%)	-5%	-7%	13%	44%	84%	99%
Margin (%)	90.6	82.6	87.9	88.0	75.6	79.9
Depreciation	4,848	3,081	2,873	4,679	8,710	18,071
EBIT	6,878	7,810	9,481	13,134	24,126	47,423
Net forex loss	0	0	0	0	0	0
Int. and Finance Charges	8,091	7,673	7,592	11,230	18,962	31,109
Other Income	665	1,470	1,701	4,837	6,389	6,420
PBT bef. EO Exp.	-548	1,607	3,590	6,741	11,553	22,735
EO Items	394	7,487	-210	27	0	0
PBT after EO Exp.	-154	9,094	3,380	6,768	11,553	22,735
Total Tax	-122	2,116	872	1,789	2,888	5,684
Tax Rate (%)	79.4	23.3	25.8	26.4	25.0	25.0
Minority Interest/Share of JVs/associates	0	0	-13	-10	0	0
Reported PAT	-32	6,978	2,521	4,989	8,665	17,051
Adjusted PAT	-113	-509	2,731	4,962	8,665	17,051
Change (%)	Loss	Loss	LP	82%	75%	97%
Margin (%)	-0.9	-3.9	19.4	24.5	19.9	20.8

Consolidated - Balance Sheet

(INR m)

Y/E March	FY23	FY24	FY25	FY26	FY27E	FY28E
Equity Share Capital	1,044	1,044	1,210	1,211	1,411	1,411
Total Reserves	17,961	24,864	43,896	49,404	85,728	1,02,637
Net Worth	19,006	25,909	45,106	50,615	87,139	1,04,048
Minority Interest	299	0	-13	-13	-13	-13
Loans	80,993	76,964	98,572	1,67,399	3,20,621	4,29,884
Deferred Tax Liabilities	1,600	2,120	2,968	4,389	4,389	4,389
Other non-current liabilities	6,589	10,702	17,144	19,735	19,735	19,735
Lease liabilities, Provisions, etc.	3,687	3,982	7,065	11,077	11,077	11,077
Non-current liabilities	92,869	93,768	1,25,749	2,02,600	3,55,823	4,65,085
Capital Employed	1,12,173	1,19,677	1,70,842	2,53,202	4,42,948	5,69,120
Net Fixed Assets	66,309	67,579	1,23,137	1,57,316	3,17,732	4,44,106
Capital WIP	21,473	28,284	13,623	43,577	28,748	36,652
Investments & other financial assets	1,845	549	5,827	5,911	5,911	5,911
Non-current tax assets (net)	898	316	651	263	263	263
Deferred tax assets (net)	2,476	1,929	2,635	3,950	3,950	3,950
Other non-current assets	1,847	2,620	346	4,529	4,529	4,529
Non-current assets	94,848	1,01,277	1,46,220	2,15,546	3,61,133	4,95,411
Curr. Assets, Loans&Adv.	27,021	32,721	37,817	69,857	1,14,017	1,05,910
Account Receivables	6,993	4,209	3,808	3,329	6,023	9,251
Cash and Bank Balance	13,385	13,149	29,160	61,581	1,03,047	91,712
Loans and Advances	3,439	1,168	0	0	0	0
Investments	0	1,499	0	0	0	0
Other Current Asset	3,204	12,697	4,849	4,947	4,947	4,947
Curr. Liability & Prov.	9,696	14,321	13,195	32,202	32,202	32,202
Account Payables	621	738	2,247	153	153	153
Loans	5,581	5,212	5,655	22,482	22,482	22,482
Provisions	5	5	12	17	17	17
Other Current Liability	3,489	8,367	5,281	9,550	9,550	9,550
Net Current Assets	17,325	18,400	24,622	37,656	81,816	73,709
Appl. of Funds	1,12,174	1,19,677	1,70,842	2,53,202	4,42,948	5,69,120

Financials and valuations

Ratios

Y/E March (INR)	FY23	FY24	FY25	FY26	FY27E	FY28E
Basic (INR)						
EPS	-0.2	-1.0	4.5	8.2	12.3	24.2
Cash EPS	9.1	4.9	9.3	15.9	24.6	49.8
BV/Share	36.4	49.6	74.5	83.6	123.5	147.5
DPS	0.0	0.0	0.2	0.2	0.2	0.2
Payout (%)	0.0	0.0	4.4	2.4	1.6	0.8
Valuation (x)						
P/E	NA	-370.1	79.9	44.0	29.4	14.9
Cash P/E	39.8	73.2	38.9	22.6	14.6	7.2
P/BV	9.9	7.3	4.8	4.3	2.9	2.4
EV/Sales	20.4	19.9	21.6	18.0	11.8	7.7
EV/EBITDA	22.5	24.1	24.6	20.4	15.6	9.6
FCF per share	9.5	-26.6	-39.0	-80.0	-197.9	-170.7
Return Ratios (%)						
RoE	-0.6	-2.3	7.7	10.4	12.6	17.8
RoCE	1.5	6.1	5.7	6.2	6.6	8.0
RoIC	1.8	7.0	6.2	6.0	6.9	8.7
Working Capital Ratios						
Fixed Asset Turnover (x)	0.1	0.1	0.1	0.1	0.1	0.2
Asset Turnover (x)	0.1	0.1	0.1	0.1	0.1	0.1
Debtor (Days)	197	116	99	60	51	41
Creditor (Days)	18	20	58	3	1	1
Leverage Ratio (x)						
Current Ratio	2.8	2.3	2.9	2.2	3.5	3.3
Interest Cover Ratio	0.9	1.0	1.2	1.2	1.3	1.5
Net Debt/Equity	3.9	2.7	1.7	2.5	2.8	3.5
Net Debt/EBITDA	6.2	6.3	6.1	7.2	7.3	5.5

Consolidated - Cash Flow Statement

(INR m)

Y/E March	FY23	FY24	FY25	FY26	FY27E	FY28E
OP/(Loss) before Tax	-154	9,094	3,380	6,768	11,553	22,735
Depreciation	4,848	3,081	2,873	4,679	8,710	18,071
Direct Taxes Paid	-547	-112	-1,324	-822	-2,888	-5,684
(Inc)/Dec in WC	8,488	2,278	4,119	-5,870	-2,694	-3,228
CF from Operations	12,635	14,342	9,049	4,756	14,681	31,894
(Inc)/Dec in FA	-7,688	-28,241	-32,660	-53,212	-1,54,297	-1,52,350
Free Cash Flow	4,947	-13,899	-23,611	-48,456	-1,39,616	-1,20,456
(Pur)/Sale of Investments	-6,411	10,934	-7,101	-19,962	0	0
CF from Investments	-14,099	-17,307	-39,761	-73,174	-1,54,297	-1,52,350
Inc/(Dec) in Debt	9,832	9,913	21,389	87,019	1,53,223	1,09,262
Issuance of Equity	0	0	22,933	0	28,000	0
Dividend	0	0	0	-242	-141	-141
Others	-7,678	-7,755	-10,239	-16,622	0	0
CF from Fin. Activity	2,154	2,158	34,082	70,155	1,81,082	1,09,121
Inc/Dec of Cash	690	-807	3,370	1,737	41,466	-11,335
Opening Balance	4,785	5,474	3,092	12,843	22,309	63,775
Closing Balance	5,474	4,667	6,461	14,579	63,775	52,441

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

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 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 and BSE enlistment no. 5028. 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 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 and is a member of Association of Portfolio Managers in India (APMI) for distribution of PMS products. Details of associate entities of Motilal Oswal Financial Services Ltd. are available on the website at <http://onlinereports.motilaloswal.com/Dormant/documents/Associate%20Details.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>. As per Regulatory requirements, Research Audit Report is uploaded on www.motilaloswal.com > MOFSL-Important Links > MOFSL Research Analyst Compliance Audit Report.

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") (UEN 201129401Z), which is a holder of a capital markets services license and an exempt financial adviser in Singapore. This report is distributed solely to persons who (a) qualify as "institutional investors" as defined in section 4A(1)(c) of the Securities and Futures Act of Singapore ("SFA") or (b) are considered "accredited investors" as defined in section 2(1) of the Financial Advisers Regulations of Singapore read with section 4A(1)(a) of the SFA. Accordingly, if a recipient is neither an "institutional investor" nor an "accredited investor", they must immediately discontinue any use of this Report and inform MOCMSPL.

In respect of any matter arising from or in connection with the research you could contact the following representatives of MOCMSPL. In case of grievances for any of the services rendered by MOCMSPL write to grievances@motilaloswal.com.

Nainesh Rajani

Email: nainesh.rajani@motilaloswal.com

Contact: (+65) 8328 0276

Specific Disclosures

- Research Analyst and/or his/her relatives do not have a financial interest in the subject company(ies), as they do not have equity holdings in the subject company(ies).
MOFSL has financial interest in the subject company(ies) at the end of the week immediately preceding the date of publication of the Research Report: Yes.
Nature of Financial interest is holding equity shares or derivatives of the subject company
- Research Analyst and/or his/her relatives do not have actual/beneficial ownership of 1% or more securities in the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report.
MOFSL has actual/beneficial ownership of 1% or more securities of the subject company(ies) at the end of the month immediately preceding the date of publication of Research Report: No
- Research Analyst and/or his/her relatives have not received compensation/other benefits from the subject company(ies) in the past 12 months.
MOFSL may have received compensation from the subject company(ies) in the past 12 months.
- Research Analyst and/or his/her relatives do not have material conflict of interest in the subject company at the time of publication of research report.
MOFSL does not have material conflict of interest in the subject company at the time of publication of research report.
- Research Analyst has not served as an officer, director or employee of subject company(ies).

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(ies) in the past 12 months.
8. MOFSL may have received any compensation for products or services other than investment banking or merchant banking or brokerage services from the subject company(ies) in the past 12 months.
9. MOFSL may have received compensation or other benefits from the subject company(ies) or 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 alterations 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.

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, enlistment as RA with Exchange 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
Mr. Neeraj Agarwal	022 40548085	na@motilaloswal.com
Mr. Siddhartha Khemka	022 50362452	po.research@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, BSE enlistment no. 5028, AMFI registered Mutual Fund Distributor and SIF Distributor: ARN : 146822. IRDA Corporate Agent – CA0579, APMI: APRN00233. 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.