

Adani Ports & SEZ

Estimate change	←
TP change	←
Rating change	←

Bloomberg	ADSEZ IN
Equity Shares (m)	2160
M.Cap.(INRb)/(USDb)	2933.7 / 33.4
52-Week Range (INR)	1563 / 994
1, 6, 12 Rel. Per (%)	-1/15/-12
12M Avg Val (INR m)	4126

Financial Snapshot (INR b)

Tillaticial Shapshot (livit b)								
Y/E MARCH	2025	2026E	2027E					
Sales	305	366	409					
EBITDA	184	220	259					
Adj. PAT	108	135	158					
EBITDA Margin (%)	60.4	60.2	60.7					
Adj. EPS (INR)	50	63	73					
EPS Gr. (%)	21.6	24.9	16.6					
BV/Sh. (INR)	289	342	404					
Ratios								
Net D:E	0.5	0.5	0.4					
RoE (%)	18.8	19.9	19.6					
RoCE (%)	12.2	13.4	14.0					
Payout (%)	14.0	11.2	9.6					
Valuations								
P/E (x)	27.1	21.7	18.6					
P/BV (x)	4.7	4.0	3.4					
EV/EBITDA(x)	17.7	14.9	13.0					
Div. Yield (%)	0.5	0.5	0.5					
FCF Yield (%)	3.1	2.4	2.4					

Shareholding pattern (%)

Commence of the commence of th							
As On	Jun-25	Mar-25	Jun-24				
Promoter	65.9	65.9	65.9				
DII	15.1	14.7	12.5				
FII	13.5	13.4	15.2				
Others	5.5	6.0	6.4				

FII Includes depository receipts

CMP: INR1,358 TP: INR1,700 (+25%) But

Performance marginally above expectation: focus on

Performance marginally above expectation; focus on becoming an integrated transport utility company

- Adani Ports & SEZ (APSEZ) reported revenue growth of 31% YoY to INR91b in 1QFY26 (in-line). Cargo volumes grew 11% YoY to 121mmt. The growth was primarily led by containers.
- EBITDA margin came in at 60.2% in 1QFY26 vs our estimate of 60.1% (-80bp YoY, +120bp QoQ). EBITDA grew 29% YoY to INR55b (7% above our estimate), while APAT increased 28% YoY to INR34b (9% above our estimate).
- The all-India cargo market's share increased to 27.8% (vs 27.2% in 1QFY25). The container market's share stood at 45.2% (vs 45.9% in 1QFY25).
- APSEZ reported a strong performance in 1QFY26, marked by robust growth in international port operations. Its logistics business emerged as a key growth driver, with significant improvement in network scale and last-mile connectivity, further complementing port operations. The marine business also saw strong traction, reflecting operational scale-up and integration. Overall, with continued market share gains, capacity additions, and expansion in value-added segments like logistics, APSEZ is well-positioned to grow faster than the broader industry.
- We largely retain our estimates for FY26 and FY27. We expect APSEZ to report a 10% growth in cargo volumes over FY25-27. This would drive a CAGR of 16%/16%/21% in revenue/EBITDA/PAT over FY25-27E. We reiterate our BUY rating with a TP of INR1,700 (premised on 16x on FY27E EV/EBITDA).

Performance led by strong growth in container cargo

- APSEZ reported strong operational momentum in 1QFY26, handling 121 MMT of cargo, marking an 11% YoY increase. The growth was primarily driven by a 19% YoY surge in container volumes, reflecting the continued strength of India's export-import trade and APSEZ's focus on enhancing container handling capabilities.
- Domestic cargo volumes rose 6% YoY to 112.9MMT, supported by growth across key ports. Mundra Port, while slightly lower in share compared to last year (48% in 1Q FY26 vs. 51% in 1Q FY25), remained the largest contributor to overall volumes. Krishnapatnam Port achieved a milestone by handling its highest-ever monthly volume of 5.85MMT in Jun'25.
- International cargo volumes witnessed a sharp ~250% YoY growth, rising from 2.2MMT to 7.7MMT, driven by a ramp-up at Haifa Port and the commencement of operations at the Colombo West International Terminal (CWIT).

Alok Deora - Research analyst(Alok.Deora@motilaloswal.com)

Saurabh Dugar - Research analyst (Saurabh. Dugar@motilaloswal.com)



Logistics and marine businesses gain momentum

- Logistics' revenue doubled YoY to INR11.7b. APSEZ also saw strong traction in rail-based and integrated cargo movement. It handled 0.18m TEUs of container rail volume (+15% YoY) and ~6 MMT of GPWIS cargo (+9% YoY). Furthermore, APSEZ launched double-stack container rake movements between ICD Tumb and ICD Patli, further strengthening its multimodal logistics capabilities.
- The marine business revenue surged nearly 3x YoY to INR5.4b, with vessel count increasing to 118 from 76. Together, these segments contributed significantly to overall revenue growth in 1QFY26.
- As of Jun'25, APSEZ strengthened its integrated logistics network with a total rake count of 132. It operates 12 multi-modal logistics parks (MMLPs) and has expanded its warehousing capacity to 3.1m sq. ft. Agri silo capacity rose to 1.3MMT, with a target of 4MMT.
- In the marine business, APSEZ has significantly increased marine vessels to 118 as of Jun'25 (v/s 76 in 1Q FY25) and aims to increase revenue to INR33b in FY27.

Highlights from the management commentary

- The company continued to deepen its international presence by commencing operations at the Colombo West International Terminal and reporting record performance at Haifa Port. It also approved the acquisition of NQXT Port in Australia, positioning itself for future growth in global trade corridors.
- The integration of its marine services business (which includes Ocean Sparkle, Astro, and TAHID) has been progressing well, and APSEZ expects its marine business revenue to increase to INR33b in FY27 (3x FY25 revenue).
- Management expects to handle 505-515MMT of cargo in FY26, with containers being the primary growth driver, followed by dry cargo and liquid cargo.
- Volumes in July have been weak due to adverse weather conditions, but the situation is expected to normalize in August.

Valuation and view

- With strong cash flows, a healthy cash balance of INR169b, and net debt to EBITDA at 1.8x, Adani Ports is well-positioned for further expansion. Capacity enhancements at key ports, ongoing infrastructure projects, and global port acquisitions provide visibility for sustained growth in FY26 and beyond.
- We broadly maintain our estimates for FY26/27 and expect APSEZ to report a 10% growth in cargo volumes over FY25-27. This would drive a revenue/ EBITDA/PAT CAGR of 16%/16%/21% over FY25-27E. We reiterate our BUY rating with a TP of INR1,700 (premised on 16x FY27 EV/EBITDA).



Quarterly Snapshot - Consolidated												(INR b)
Y/E March		FY2	25			FY2	6E		FY25	FY26E	FY26	Var.
	1Q	2Q	3Q	4Q	1Q	2QE	3QE	4QE			1QE	vs Est
Net Sales	70	71	80	85	91	88	93	94	305	366	86	6
YoY Change (%)	11.3	6.3	15.1	23.1	31.2	24.5	16.5	10.6	14.1	20.1	23.4	
EBITDA	42	44	48	50	55	53	56	56	184	220	52	7
Margins (%)	61.0	61.8	60.3	59.0	60.2	60.3	60.2	60.0	60.4	60.2	60.1	
Depreciation	10	11	11	12	13	12	13	13	44	50	12	
Interest	7	7	8	7	8	7	6	5	28	26	7	
Other Income	5	3	2	3	3	3	4	4	13	14	3	
PBT before EO expense	31	29	32	34	38	38	40	43	126	159	36	
Extra-Ord expense	-6	0	2	1	1	0	0	0	-3	1	0	
PBT	37	29	30	34	37	38	40	43	129	158	36	
Tax	5	5	5	5	5	6	6	6	20	24	6	
Rate (%)	13.2	16.4	16.9	15.1	14.6	15.2	15.2	15.1	15.3	15.0	15.3	
MI and Associates	1	0	-1	-2	-2	0	0	2	-2	0	0	
Reported PAT	31	24	25	30	33	32	34	35	111	135	31	
Adj PAT	26	25	27	31	34	32	34	35	108	135	31	9
YoY Change (%)	28.7	10.9	13.6	33.7	27.7	31.3	28.6	14.2	21.6	25.0	16.9	

business

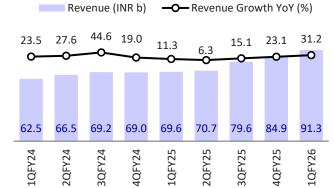
Story in charts – 1QFY26

Exhibit 1: Port cargo volume increased ~11% YoY

■ Volume (MMT) 101 101 109 109 109 111 113 118 121 1QFY25

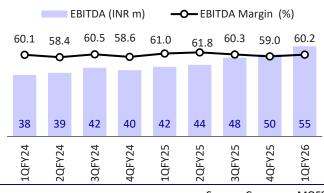
Revenue (INR b)

Exhibit 2: Growth in revenue led by logistics & marine



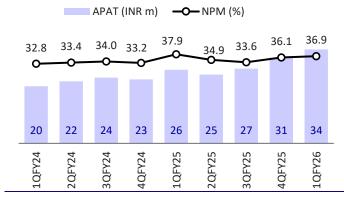
Source: Company, MOFSL

Exhibit 3: EBITDA and margin trends



Source: Company, MOFSL

Exhibit 4: APAT increased 28% YoY



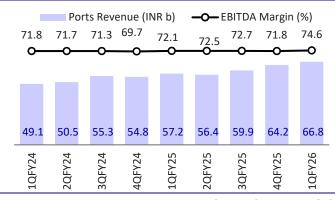
Source: Company, MOFSL

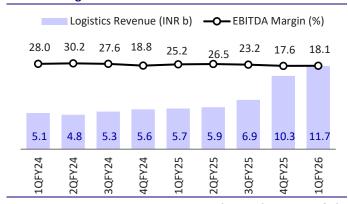
Source: Company, MOFSL



Exhibit 5: Port revenue (incl. marine) increased ~17% YoY

Exhibit 6: Logistics revenue doubled YoY





Source: Company, MOFSL Source: Company, MOFSL

Exhibit 7: Volume trend across ports (m tons)

Extraore 71 Coloni		. осо рола	· (to	<u>'</u>						
Ports	1QFY24	2QFY24	3QFY24	4QFY24	1QFY25	2QFY25	3QFY25	4QFY25	1QFY26	Port Contribution (%)
Mundra	41.5	44.5	47.8	45.9	51.1	50.0	48.8	50.7	48.0	39.8
Dahej	2.6	3.0	2.8	2.8	2.8	2.5	2.5	2.5	2.4	2.0
Hazira	6.7	7.3	6.2	6.1	6.8	6.9	7.1	6.5	6.9	5.7
Dhamra	9.9	9.9	11.3	11.7	12.0	11.5	11.4	11.3	12.1	10.0
Kattupalli	3.0	2.8	2.8	3.4	3.6	3.7	3.1	3.7	3.2	2.7
Krishnapatnam	16.1	13.2	14.2	15.6	15.4	14.1	12.6	13.0	16.5	13.7
Gangavaram	9.4	8.7	9.4	9.8	4.6	6.8	7.3	8.0	8.1	6.7
Others	12.2	11.8	14.1	13.5	12.7	15.5	19.7	22.0	23.4	19.4
Total (MMT)	101.4	101.2	108.6	108.8	109.0	111.0	112.5	117.7	120.6	

Source: Company, MOFSL





Highlights from the management commentary

Operational highlights

- APSEZ handled 121 MMT of cargo in 1QFY26, registering 11% YoY growth, driven primarily by containers (+19% YoY). Mundra Port contributed 48% to overall volume in 1QFY26 (vs. 51% in 1Q FY25), maintaining its dominance.
- The all-India cargo market share increased to 27.8% (v/s. 27.2% in 1QFY25), while the container market share stood at 45.2% (v/s. 45.9% in 1QFY25).
- Domestic cargo volume increased 6% YoY from 106.8MMT to 112.9MMT, while international cargo volume rose sharply by 245% YoY to 7.7MMT, led by Haifa and Colombo terminals.
- Net debt to EBITDA stood at 1.8x as of Jun'25. The company extended average debt maturity from 4.3 to 5.2 years and reduced bond yields by up to 116bp as part of its long-term capital management strategy.
- Cash and equivalents stood at INR169b, with gross debt at INR531b as of Jun'25.

Port vertical

- Revenue from domestic ports grew 14% YoY to INR61.4b, with EBITDA margins expanding to 74.6% (vs. 72.5% in 1QFY25).
- Colombo West International Terminal (CWIT) commenced operations under a 35-year BOT agreement. Once completed, CWIT will handle ~3.2m TEUs annually.
- Dhamra Port opened a new export berth and began construction of two additional berths to increase capacity to 92 MMT.
- Vizhinjam Port, India's first fully automated transshipment port, completed one year of operations. It achieved 100% utilization in its ninth month and has started Phase 2 construction.
- International Ports: Internationally, APSEZ expanded its footprint with the commencement of operations at the Colombo West International Terminal (CWIT) in Sri Lanka, which is the country's first fully automated deep-water terminal. In addition, APSEZ secured a 30-year concession for managing a container terminal at Dar es Salaam Port in Tanzania.
- Haifa Port reported its highest-ever quarterly revenue and EBITDA since acquisition, led by a 29% YoY volume growth—with containers up 25% YoY and other cargo up 38% YoY.
- Volumes in July were weak due to adverse weather conditions, but the situation is expected to normalize in August.

Logistics business

- Logistics revenue doubled YoY to INR11.7b. The strong growth was supported by higher container and GPWIS volumes, along with ongoing network expansion.
- APSEZ handled 0.18m TEUs of container rail volume (+15% YoY) and ~6 MMT GPWIS volume (+9% YoY).
- APSEZ launched double stack container rake movement between ICD Tumb and ICD Patli.
- APSEZ continues to scale its integrated logistics platform, including rail, trucking, and warehousing segments.



Marine business

- The integration of its marine services business (which includes Ocean Sparkle, Astro, and TAHID) has been progressing well, and APSEZ expects its marine business revenue to increase to INR33b in FY27 (3x FY25 revenue).
- The marine segment's revenue jumped 290% YoY to INR5.4b, driven by a significant increase in vessel count from 76 (Jun'24) to 118 (Jun'25).
- The ramp-up reflects APSEZ's aggressive expansion and consolidation in marine services.
- APSEZ has also focused on expanding its marine operations globally, with projects in various regions contributing to both revenue and operational efficiency.

Guidance

- Management expects to handle 505-515MMT of cargo in FY26, with containers being the primary growth driver, followed by dry cargo and liquid cargo.
- Revenue is projected to reach INR360-380b, while EBITDA is expected to be INR210-220b.

Capex guidance

- For FY26, APSEZ has outlined a capex plan totaling INR120b. The bulk of this expenditure will be directed toward domestic ports (INR60b), including the development of new terminals in existing ports and enhancing container terminal capacities based on industrial demand.
- Internationally, the company plans to invest INR20b, primarily in capacity expansion at its ports in Colombo and Tanzania.
- In the marine services sector, INR6.2b will be allocated for fleet additions across its subsidiaries.
- The logistics segment will receive INR20b for the expansion of trucks, silos, MMLPs, and warehouses.

Exhibit 8: Our revised estimates

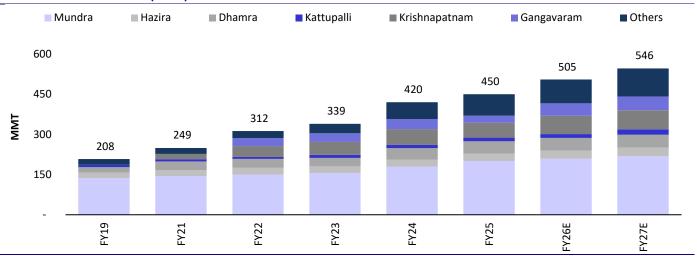
(INR m)		FY26E		FY27E			
	Rev	Old	Chg (%)	Rev	Old	Chg (%)	
Net Sales	366	364	0.6	411	409	0.6	
EBITDA	220	220	0.2	250	249	0.2	
EBITDA Margin (%)	60.2	60.4	(21)	60.7	61.0	(22)	
PAT	135	135	0.6	158	157	0.6	
EPS (INR)	62.7	62.3	0.6	73.1	72.6	0.6	

Source: Company, MOFSL



Story in charts

Exhibit 9: APSEZ - volumes (MMT)



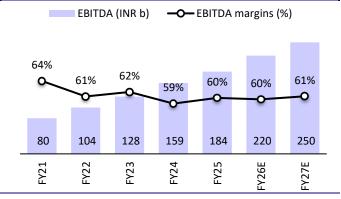
Source: Company, MOFSL

Exhibit 10: Revenue growth to remain strong

Revenue (INR b)

171
209
171
125
Source: Company, MOFSL

Exhibit 11: Margin to stabilize at ~60%



Source: Company, MOFSL

Exhibit 12: Strong operating performance to drive PAT

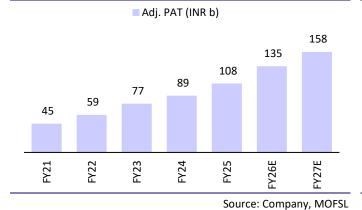
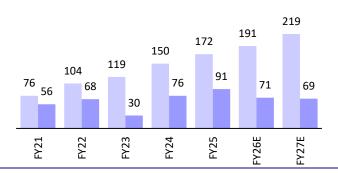


Exhibit 13: CFO and FCF generation to pick up



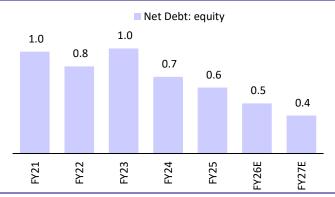
■ CFO (INR b) ■ FCF (INR b)

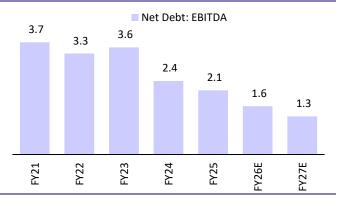
Source: Company, MOFSL



Exhibit 14: Net debt/equity to decrease

Exhibit 15: Net debt/EBITDA to improve

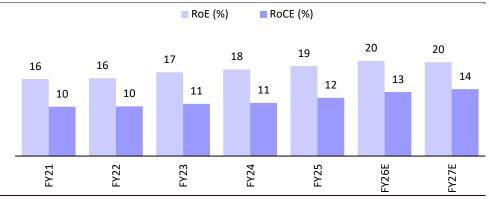




Source: Company, MOFSL

Source: Company, MOFSL

Exhibit 16: Return ratios to remain stable



Source: Company, MOFSL



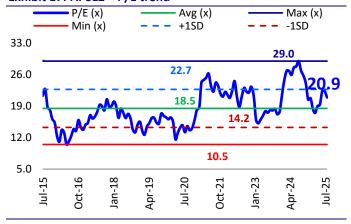
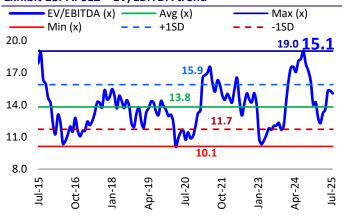


Exhibit 18: APSEZ - EV/EBITDA trend



Source: Company, MOFSL Source: Company, MOFSL



Financials and valuation

Consolidated Income Statement							
Y/E March (INR b)	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Net Sales	125	171	209	267	305	366	411
Change in Net Sales (%)	5.7	36.4	21.8	28.1	14.1	20.1	12.4
Total Expenses	46	67	80	108	121	146	162
EBITDA	80	104	128	159	184	220	250
Margin (%)	63.6	60.7	61.5	59.4	60.4	60.2	60.7
Depn. & Amortization	21	31	34	39	44	50	56
EBIT	59	73	94	120	140	171	194
Net Interest	21	26	26	28	28	26	24
Other income	20	22	16	15	13	14	16
PBT	57	70	84	107	126	159	185
EO expense	-6	13	29	4	-3	1	0
PBT after EO	63	57	54	103	129	158	185
Tax	12	8	1	20	20	24	28
Rate (%)	19.7	13.4	1.8	19.4	15.3	15.0	15.0
PAT before JV, MI	51	49	53	83	109	135	158
Share of loss from JV, MI	-1	0	0	-2	2	0.2	0.2
Reported PAT	50	49	53	81	111	135	158
Adjusted PAT	45	59	77	89	108	135	158

29.8

36.7

16.5

33.4

21.6

35.6

30.3

34.4

-9.6

36.0

Source: MOFSL, Company

16.6

38.4

24.9

37.0

Consolidated Balance Sheet

Change (%)

Margin (%)

Y/E March (INR b)	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Share Capital	4	4	4	4	4	4	4
Reserves	302	416	452	525	620	735	869
Net Worth	306	420	456	529	624	739	873
Minority Interest	15	4	13	16	25	26	27
Total Loans	344	455	498	463	458	428	408
Deferred Tax Liability	3	17	10	23	28	28	28
Capital Employed	668	895	977	1,031	1,135	1,221	1,336
Gross Block	552	700	782	848	1,027	1,147	1,297
Less: Accum. Deprn.	111	142	148	179	216	266	322
Net Fixed Assets	441	558	634	669	811	881	975
Capital WIP	37	40	68	109	116	116	116
Investments	22	32	101	56	61	61	61
Curr. Assets	244	353	324	335	347	367	392
Inventories	10	4	5	4	5	6	7
Account Receivables	24	22	32	37	44	53	60
Cash and Bank Balance	47	107	42	76	66	76	92
-Cash and cash equivalents	42	87	9	16	34	44	60
-Bank balance	5	20	33	61	32	32	32
Loans & advances	21	19	20	3	9	9	9
Other current assets	143	201	225	215	222	223	224
Curr. Liability & Prov.	76	88	150	139	199	204	208
Account Payables	10	12	18	22	27	33	37
Provisions	1	1	17	13	14	14	14
Other current liabilities	65	75	114	105	158	158	158
Net Curr. Assets	168	265	175	196	148	163	184
Appl. of Funds	668	895	977	1,031	1,135	1,221	1,336



Financials and valuation

Ratios							
	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Basic (INR)							
EPS	22.3	27.9	35.4	41.3	50.2	62.7	73.1
EPS Growth	-9.6	25.4	26.9	16.5	21.6	24.9	16.6
Cash EPS	32.6	42.6	51.3	59.3	70.4	85.7	98.9
BV/Share	150.7	198.8	211.0	245.1	289.0	342.1	404.2
Payout (%)	22.5	17.9	14.1	14.5	14.0	11.2	9.6
Dividend yield (%)	0.5	0.5	0.5	0.6	0.5	0.5	0.5
Valuation (x)							
P/E	61.0	48.7	38.3	32.9	27.1	21.7	18.6
Cash P/E	41.6	31.9	26.5	22.9	19.3	15.9	13.7
P/BV	9.0	6.8	6.4	5.5	4.7	4.0	3.4
EV/EBITDA	40.2	30.6	25.6	20.6	17.7	14.9	13.0
Dividend Yield (%)	0.4	0.4	0.4	0.4	0.5	0.5	0.5
Return Ratios (%)							
RoE	16.1	16.2	17.5	18.1	18.8	19.9	19.6
RoCE (post-tax)	10.3	10.4	10.9	11.1	12.2	13.4	14.0
RoIC (post-tax)	9.5	9.9	12.5	12.4	14.2	15.6	16.2
Working Capital Ratios							
Fixed Asset Turnover (x)	0.3	0.3	0.3	0.3	0.3	0.4	0.4
Asset Turnover (x)	0.2	0.2	0.2	0.3	0.3	0.3	0.3
Debtor (Days)	69	47	57	50	53	53	53
Creditors (Days)	29	25	32	30	33	33	33
Inventory (Days)	29	8	8	6	6	6	6
Leverage Ratio (x)							
Current Ratio	3.2	4.0	2.2	2.4	1.7	1.8	1.9
Interest Cover Ratio	3.7	3.7	4.2	4.8	5.5	7.2	8.6
Net Debt/EBITDA	3.7	3.3	3.6	2.4	2.1	1.6	1.3
Net Debt/Equity	1.0	0.8	1.0	0.7	0.6	0.5	0.4
Cash Flow Statement (INR b)							
	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
OP/(Loss) before Tax	63	57	55	101	130	159	187
Depreciation	21	31	34	39	44	50	56
Direct Taxes Paid	-9	-10	-8	-13	-15	-24	-28
(Inc)/Dec in WC	4	8	-9	0	-4	-6	-4
Other Items	-4	18	47	23	17	11	9
CF from Operations	76	104	119	150	172	191	219
(Inc)/Dec in FA	-19	-36	-89	-74	-81	-120	-150
Free Cash Flow	56	68	30	76	91	71	69
Acquisitions/Divestment	-150	-7	-144	-31	-54	0	0
Change in Investments	6	-28	23	-5	0	0	0
Others	22	18	15	41	37	14	16
CF from Investments	-141	-53	-196	-69	-98	-106	-134
Share issue	0	9	9	2	4	0	0
Inc/(Dec) in Debt	55	75	3	-41	-29	-30	-20
Interest	-20	-26	-24	-28	-26	-26	-24
Dividend	0	-10	-11	-11	-13	-20	-24
Others	0	-54	-6	0	-5	0	0
Cash from financing activity	35	-6	-27	-78	-69	-76	-68
Net change in cash & equi.	-31	46	-104	3	5	10	17
•							
Opening cash balance	72	43	87	11	16	34	44
Opening cash balance change in control of subs.	72 1	-2	87 27	11 2	16 13	34 0	0

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://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 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 Motifal Oswal Securities (SEBI Reg. No. INH000000412) has an agreement with Motifal 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 The Research Analysts contributing to the report may not be registered fuel filed. Such research analyst with FINRA. Such research analyst may not be associated persons of the U.S. registered broker-dealer, and the report may not be registered fuel filed.

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

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 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
- 3. 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.
- MOFSL has not received compensation for investment banking /merchant banking/brokerage services from the subject company(ies) in the past 12 months.

 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)
- 8. in the past 12 months.
- MOFSL may have received compensation or other benefits from the subject company(ies) or 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:



Disclaimer

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.

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 of 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 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.