

Adani Ports & SEZ

Estimate change	$ \longleftarrow $
TP change	
Rating change	

Bloomberg	ADSEZ IN
Equity Shares (m)	2160
M.Cap.(INRb)/(USDb)	2627.8 / 31.1
52-Week Range (INR)	1621 / 994
1, 6, 12 Rel. Per (%)	-1/-13/-15
12M Avg Val (INR m)	5472

Financial Snapshot (INR b)

Y/E MARCH	2025	2026E	2027E
Sales	304.8	345.8	400.1
EBITDA	184.2	214.5	249.1
Adj. PAT	108.4	132.1	158.4
EBITDA Margin (%)	60.4	62.0	62.3
Adj. EPS (INR)	50.2	61.2	73.3
EPS Gr. (%)	21.6	21.9	19.9
BV/Sh. (INR)	289.0	341.0	403.3
Ratios			
Net D:E	0.5	0.5	0.4
RoE (%)	18.8	19.4	19.7
RoCE (%)	12.2	13.1	14.0
Payout (%)	14.0	11.4	9.5
Valuations			
P/E (x)	24.1	19.8	16.5
P/BV (x)	4.2	3.5	3.0
EV/EBITDA(x)	16.0	13.8	11.8
Div. Yield (%)	0.6	0.6	0.6
FCF Yield (%)	3.5	2.6	2.6

Shareholding pattern (%)

	01	<u> </u>	
As On	Mar-25	Dec-24	Mar-24
Promoter	65.9	65.9	65.9
DII	14.7	14.2	11.8
FII	13.4	13.9	15.0
Others	6.0	6.0	7.3

FII Includes depository receipts

CMP: INR1,217

TP: INR1,550 (+27%)

Buy

Performance broadly in line; focus on becoming an integrated transport utility company

- Adani Ports & SEZ (APSEZ) reported a revenue growth of 23% YoY to INR85b in 4QFY25 (in-line). Cargo volumes grew 8% YoY to 118mmt. The growth was primarily led by containers. In FY25, APSEZ managed ~27% of the country's total cargo and ~45% of container cargo.
- EBITDA margin came in at 59% in 4QFY25 vs. our estimate of 63.6% (+30bp YoY, -130bp QoQ). EBITDA grew 24% YoY to INR50b (6% below our estimate), while APAT increased 34% YoY to INR31b (in line).
- During 4QFY25, port revenue grew 17% YoY to INR64.2b. Port EBITDA margin stood at 72% in 4Q (+200bp YoY)
- Logistics revenue grew 84% YoY to INR10.3b. EBITDA margins in the logistics business stood at 18% in 4Q FY25 (19% in 4Q FY24)
- During FY25, APSEZ's revenue was INR305b (+14% YoY), EBITDA was INR184b (+16% YoY), EBITDA margin came in at 60.4%, and APAT stood at INR108b (+22% YoY).
- APSEZ's 4QFY25/FY25 performance was broadly in line, and the company is projected to grow at 1.5-2.0x India's cargo volume, propelled by market share gains and capacity expansion. Additionally, its logistics business will enhance last-mile connectivity, adding value to domestic port operations. We largely retain our estimates for FY26/FY27. We expect APSEZ to report 11% growth in cargo volumes over FY25-27. This would drive a CAGR of 15%/16%/21% in revenue/EBITDA/PAT over FY25-27E. We reiterate our BUY rating with a TP of INR1,550 (premised on 15x on FY27E EV/EBITDA).

In-line performance led by strong growth in container cargo; scale-up in the marine services business

- In 4QFY25, APSEZ reported a 17% YoY rise in port revenue to INR64.2b with a robust EBITDA margin of 72%. Containers comprised 42% of cargo volume in FY25 (up from 37% in FY24), boosting APSEZ's all-India cargo and container market shares to 27% and 45.5%, respectively.
- Domestically, APSEZ expanded with the acquisition of Gopalpur Port and launched Vizhinjam Port, India's first automated transshipment port. Internationally, operations began at Sri Lanka's CWIT, and key developments continued in Tanzania and Israel, including a 36% YoY EBITDA growth at Haifa Port.
- APSEZ's marine business expanded its fleet to 115 vessels, with 46 more operated by Adani Harbor. The integration of its marine services subsidiaries—Ocean Sparkle, Astro, and TAHID—is progressing well, and the company aims to triple the business in two years. Global marine projects are further boosting revenue and operational efficiency.

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

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

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

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



Expansion of integrated logistics infrastructure and network

- In 4QFY25, Adani Logistics (ALL) posted ~84% YoY growth in revenue and an EBITDA margin of 18% (19% in 4QFY24).
- In FY25, APSEZ strengthened its integrated logistics network by launching its first block train and expanding its total rake count to 132. It now operates 12 multimodal logistics parks (MMLPs) and raised its warehousing capacity to 3.1m sq. ft.
- Agri silo capacity rose to 1.2MMT, with a target of 4MMT, while trucking volume surged over 200%, driven by growth in container and bulk transport.

Highlights from the management commentary

- In FY25, APSEZ achieved major milestones across port operations, logistics, and international expansion. It began operations at India's first fully automated Vizhinjam Port, acquired Gopalpur Port, expanded internationally with terminals in Sri Lanka and Tanzania, and saw strong growth in marine and logistics services.
- Containers continued to dominate the cargo mix, making up 42% of total volume in FY25, an increase from 37% in FY24. This growth in container traffic reflects APSEZ's continued investment in container handling infrastructure, which is expected to remain a key driver of growth.
- Management expects to handle 505–515 MMT 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. Further, APSEZ has outlined a capex plan of INR120b for FY26. The bulk of this expenditure will be directed towards domestic ports (INR60b).

Valuation and view

- APSEZ expanded its domestic and global footprint with new ports, terminals, and logistics infrastructure in FY25 and guided further volume and revenue growth in FY26 backed by INR120b capex.
- We broadly maintain our estimates for FY26/27 and expect APSEZ to report 11% growth in cargo volumes over FY25-27. This would drive a revenue/ EBITDA/PAT CAGR of 15%/16%/21% over FY25-27E. We reiterate our BUY rating with a TP of INR1,550 (premised on 15x FY27 EV/EBITDA).

Quarterly Snapshot – Consoli	dated (INR	b)										
Y/E March		FY2	4			FY25			FY24	FY25	FY25	Var.
	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q			4QE	vs Est (%)
Net Sales	62	66	69	69	70	71	80	85	267	305	84	1
YoY Change (%)	23.5	27.6	44.6	19.0	11.3	6.3	15.1	23.1	28.1	14.1	21.5	
EBITDA	38	39	42	40	42	44	48	50	159	184	53	-6
Margins (%)	60.1	58.4	60.5	58.6	61.0	61.8	60.3	59.0	59.4	60.4	63.6	
Depreciation	9	10	10	10	10	11	11	12	39	44	12	
Interest	7	7	7	7	7	7	8	7	28	28	7	
Other Income	4	3	5	3	5	3	2	3	15	13	3	
PBT before EO expense	25	25	30	27	31	29	32	34	107	126	38	
Extra-Ord expense	-1	0	2	3	-6	0	2	1	4	-3	0	
РВТ	26	25	28	24	37	29	30	34	103	129	38	
Тах	4	8	5	3	5	5	5	5	20	20	7	
Rate (%)	14.5	30.7	18.8	13.7	13.2	16.4	16.9	15.1	19.4	15.3	17.7	
MI and Associates	1	0	1	0	1	0	-1	-2	2	-2	0	
Reported PAT	21	17	22	20	31	24	25	30	81	111	31	
Adj PAT	20	22	24	23	26	25	27	31	89	108	31	-1
YoY Change (%)	-2.6	15.2	51.0	11.0	28.7	10.9	13.6	33.7	16.5	21.6	34.9	



Story in charts – 4QFY25

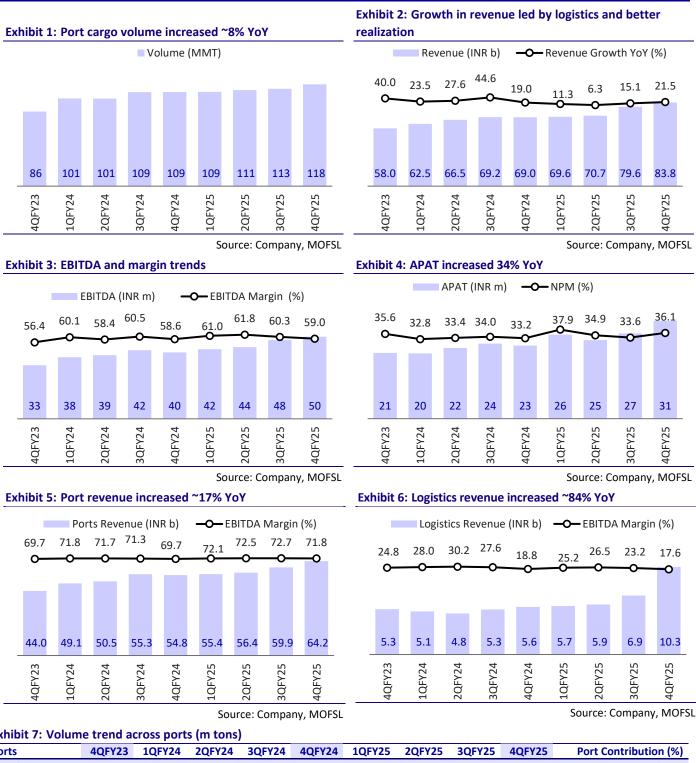


Exhibit 7: Volun	Exhibit 7: Volume trend across ports (m tons)									
Ports	4QFY23	1QFY24	2QFY24	3QFY24	4QFY24	1QFY25	2QFY25	3QFY25	4QFY25	Port Contribution (%)
Mundra	38.4	41.5	44.5	47.8	45.9	51.1	50.0	48.8	50.7	43.1
Dahej	2.3	2.6	3.0	2.8	2.8	2.8	2.5	2.5	2.5	2.1
Hazira	6.2	6.7	7.3	6.2	6.1	6.8	6.9	7.1	6.5	5.5
Dhamra	7.1	9.9	9.9	11.3	11.7	12.0	11.5	11.4	11.3	9.6
Kattupalli	2.8	3.0	2.8	2.8	3.4	3.6	3.7	3.1	3.7	3.1
Krishnapatnam	12.9	16.1	13.2	14.2	15.6	15.4	14.1	12.6	13.0	11.0
Gangavaram	8.6	9.4	8.7	9.4	9.8	4.6	6.8	7.3	8.0	6.8
Others	8.0	12.2	11.8	14.1	13.5	12.7	15.5	19.7	22.0	18.7
Total (MMT)	86.3	101.4	101.2	108.6	108.8	109.0	111.0	112.5	117.7	

Source: Company, MOFSL





Highlights from the management commentary

Operational highlights

- APSEZ domestic cargo volumes grew 8% YoY to 118mmt in 4Q FY25.
- APSEZ clocked 450mmt (+7% YoY) cargo volume in FY25 led by growth in containers (+20% YoY), liquids, and gas (+9% YoY)
- As of Dec'24, gross debt was INR458b, and net debt was INR368b.
- The company declared a dividend of INR7 per share, amounting to a total payout of INR15b.

Port vertical

- In 4QFY25, port revenue rose 17% YoY to INR64.2b and the EBITDA margin stood at 72% (+200bp YoY).
- Containers continued to dominate the cargo mix, making up 42% of total volume in FY25, an increase from 37% in FY24. This growth in container traffic reflects APSEZ's continued investment in container handling infrastructure, which is expected to remain a key driver of growth.
- All-India cargo market share for FY25 increased to 27% (26.5% in FY24).
 Container market share for FY25 increased to 45.5% (44% in FY24).
- Mundra recorded a volume of 50.8 MMT in 4Q FY25 (+11% YoY) and its share stood at 45% in overall cargo v/s 43% in 4Q FY24. For FY25, Mundra's share stood at 47% v/s 44% in FY24.
- Domestic Ports: The company completed the acquisition of Gopalpur Port and began operations at Vizhinjam Port, India's first fully automated transshipment port, which saw impressive growth, surpassing 100,000 plus TEUs in a single month.
- 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 and progressed with the integration of Haifa Port in Israel. Haifa Port's EBITDA grew by 36% YoY in FY25, and APSEZ signed a union agreement in April 2025 for smoother integration.

Logistics business

- Logistics revenues grew 84% YoY to INR10.3b and EBITDA margins stood at 18% (vs. 19% in 4QFY24).
- APSEZ introduced its inaugural block train from Kishangarh (Rajasthan) to Mundra (Gujarat) with 168 containers in February 2025.
- The total rake count increased to 132, including container, GPWIS, agri, and AFTO categories.
- APSEZ now operates 12 Multi-modal Logistics Parks (MMLPs) and has expanded its warehousing capacity to 3.1m sq. ft., up from 2.4m sq. ft. in Mar'24.
- The company also increased its agri silo capacity to 1.2MMT, with ongoing construction aimed at reaching 4MMT.
- Further, the trucking volume saw a surge of over 200%, particularly in the container and bulk transport segments, underscoring the growth of its integrated logistics network.



Marine business

- APSEZ's marine business experienced significant expansion in FY25. The company's fleet grew to 115 vessels, with an additional 46 vessels operated by Adani Harbor.
- The integration of its marine services business (which includes Ocean Sparkle, Astro, and TAHID) has been progressing well, and APSEZ expects its marine business to grow 3x within the next two years.
- The company 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 505–515 MMT 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 towards 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.
- Additionally, INR13.8b will be invested in technology and sustainability initiatives, including digital platforms and efforts to achieve carbon neutrality through renewable energy and electric internal transport vehicles (EITVs).

(INR m)		FY26E		FY27E			
	Rev	Old	Chg (%)	Rev	Old	Chg (%)	
Net Sales	346	346	0.0	400	400	0.0	
EBITDA	215	215	0.0	249	249	0.0	
EBITDA Margin (%)	62.0	62.0	-	62.3	62.3	-	
PAT	132	131	1.2	158	158	0.5	
EPS (INR)	61.2	60.5	1.2	73.3	73.0	0.5	

Exhibit 8: Our revised estimates

Source: Company, MOFSL



Story in charts

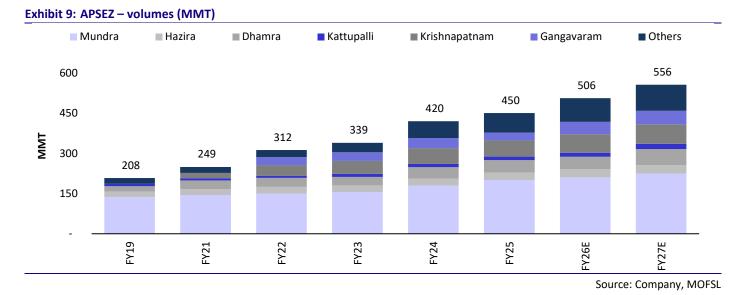


Exhibit 1: Revenue growth to remain strong

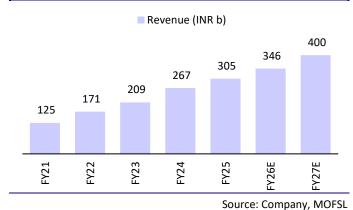
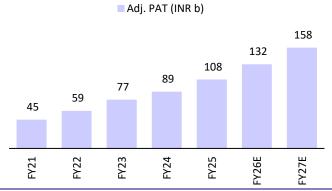


Exhibit 3: Strong operating performance to drive PAT



Source: Company, MOFSL

Exhibit 2: Margin to stabilize at ~60%

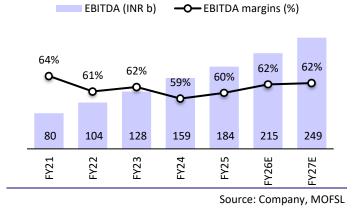
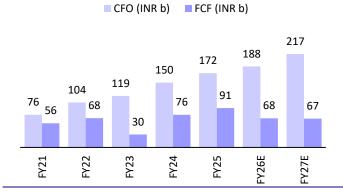


Exhibit 4: CFO and FCF generation to pick up

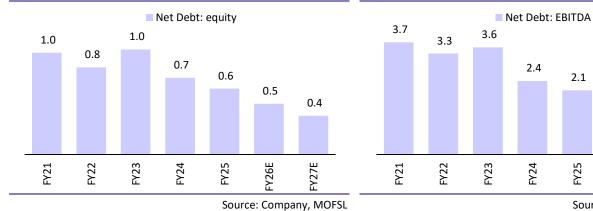


Source: Company, MOFSL



Adani Ports & SEZ

Exhibit 5: Net debt/equity to decrease



Source: Company, MOFSL

FY26E

1.7

1.3

FY27E

Exhibit 7: Return ratios to remain stable

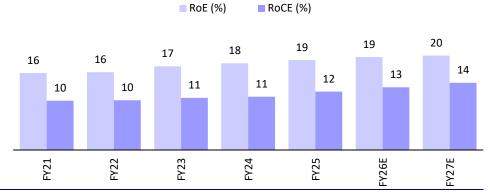


Exhibit 6: Net debt/EBITDA to improve

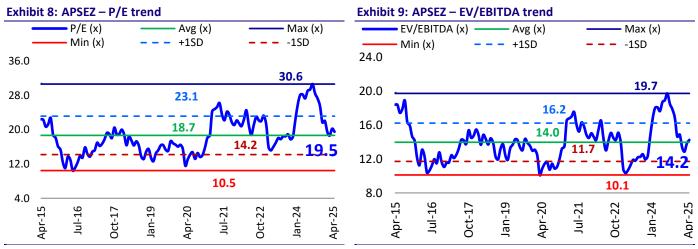
2.4

FY24

2.1

FY25

Source: Company, MOFSL



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	346	400
Change in Net Sales (%)	5.7	36.4	21.8	28.1	14.1	13.5	15.7
Total Expenses	46	67	80	108	121	131	151
EBITDA	80	104	128	159	184	215	249
Margin (%)	63.6	60.7	61.5	59.4	60.4	62.0	62.3
Depn. & Amortization	21	31	34	39	44	47	54
EBIT	59	73	94	120	140	167	195
Net Interest	21	26	26	28	28	26	24
Other income	20	22	16	15	13	14	16
РВТ	57	70	84	107	126	156	187
EO expense	-6	13	29	4	-3	0	0
PBT after EO	63	57	54	103	129	156	187
Тах	12	8	1	20	20	24	29
Rate (%)	19.7	13.4	1.8	19.4	15.3	15.3	15.3
PAT before JV, MI	51	49	53	83	109	132	158
Share of loss from JV, MI	-1	0	0	-2	2	0.2	0.3
Reported PAT	50	49	53	81	111	132	158
Adjusted PAT	45	59	77	89	108	132	158
Change (%)	-9.6	30.3	29.8	16.5	21.6	21.9	19.9
Margin (%)	36.0	34.4	36.7	33.4	35.6	38.2	39.6

Source: MOFSL, Company

Consolidated Balance Sheet

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	732	867
Net Worth	306	420	456	529	624	737	871
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	1,219	1,334
Gross Block	552	700	782	848	908	1,028	1,178
Less: Accum. Deprn.	111	142	148	179	222	270	324
Net Fixed Assets	441	558	634	669	686	758	854
Capital WIP	37	40	68	109	116	116	116
Investments	22	32	101	56	61	61	61
Curr. Assets	244	353	324	335	472	486	510
Inventories	10	4	5	4	5	6	7
Account Receivables	24	22	32	37	44	50	58
Cash and Bank Balance	47	107	42	76	66	72	87
-Cash and cash equivalents	42	87	9	16	34	40	55
-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	347	348	349
Curr. Liability & Prov.	76	88	150	139	199	203	207
Account Payables	10	12	18	22	27	31	36
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	273	283	303
Appl. of Funds	668	895	977	1,031	1,135	1,219	1,334



Ratios

	FY21	FY22	FY23	FY24	FY25	FY26E	FY27E
Basic (INR)							
EPS	22.3	27.9	35.4	41.3	50.2	61.2	73.3
EPS Growth	-9.6	25.4	26.9	16.5	21.6	21.9	19.9
Cash EPS	32.6	42.6	51.3	59.3	70.4	83.1	98.3
BV/Share	150.7	198.8	211.0	245.1	289.0	341.0	403.3
Payout (%)	22.5	17.9	14.1	14.5	14.0	11.4	9.5
Dividend yield (%)	0.5	0.5	0.5	0.6	0.6	0.6	0.6
Valuation (x)							
P/E	54.4	43.4	34.2	29.3	24.1	19.8	16.5
Cash P/E	37.1	28.4	23.6	20.4	17.2	14.6	12.3
P/BV	8.0	6.1	5.7	4.9	4.2	3.5	3.0
EV/EBITDA	36.2	27.6	23.1	18.6	16.0	13.8	11.8
Dividend Yield (%)	0.4	0.4	0.4	0.5	0.6	0.6	0.6
Return Ratios (%)							
RoE	16.1	16.2	17.5	18.1	18.8	19.4	19.7
RoCE (post-tax)	10.3	10.4	10.9	11.1	12.2	13.1	14.0
RoIC (post-tax)	9.5	9.9	12.5	12.4	14.2	15.2	16.2
Working Capital Ratios							
Fixed Asset Turnover (x)	0.3	0.3	0.3	0.3	0.3	0.5	0.5
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	2.4	2.4	2.5
Interest Cover Ratio	3.7	3.7	4.2	4.8	5.5	7.0	8.7
Net Debt/EBITDA	3.7	3.3	3.6	2.4	2.1	1.7	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	157	188
Depreciation	21	31	34	39	44	47	54
Direct Taxes Paid	-9	-10	-8	-13	-15	-24	-29
(Inc)/Dec in WC	4	8	-9	0	-4	-4	-5
Other Items	-4	18	47	23	17	11	9
CF from Operations	76	104	119	150	172	188	217
(Inc)/Dec in FA	-19	-36	-89	-74	-81	-120	-150
Free Cash Flow	56	68	30	76	91	68	67
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	6	14
Opening cash balance	72	43	87	11	16	34	40
change in control of subs.	1	-2	27	2	13	0	0
Closing cash balance	42	87	9	16	34	40	55

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



NOTES

Explanation of Invoctment Pating

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 Motial Oswal Financial Services Limited are available on the website at http://onlinereports.motilaloswal.com/Dormant/documents/List%200f%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 Proc https://galaxy.motilaloswal.com/ResearchAnalyst/PublishViewLitigation.aspx Proceedings Motilal Oswal Financial Services Limited available of are on the website

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. As per the approved agreement under Paragraph 9 of Third Schedule of Securities and Futures Act (CAP 289) and Paragraph 11 of First Schedule of Financial Advisors Act (CAP 110) provided to MOCMSPL by Monetary Authority of Singapore. Persons in Singapore should contact MOCMSPL in respect of any matter arising from, or in connection with this report/publication/communication. This report is distributed solely to persons who qualify as "Institutional Investors", of which some of whom may consist of "accredited" institutional investors as defined in section 4A(1) of the Securities and Futures Act, Chapter 289 of Singapore ("the SFA"). Accordingly, if a Singapore person is not or ceases to be such an institutional investor, such Singapore Person must immediately discontinue any use of this Report and inform MOCMSPL.

Specific Disclosures

- MOFSL, Research Analyst and/or his relatives does not have financial interest in the subject company, as they do not have equity holdings in the subject company. MOFSL, Research Analyst and/or his relatives do not have actual/beneficial ownership of 1% or more securities in the subject company
- 2
- 3 MOFSL, Research Analyst and/or his relatives have not received compensation/other benefits from the subject company in the past 12 months
- MOFSL, Research Analyst and/or his relatives do not have material conflict of interest in the subject company at the time of publication of research report 4
- Research Analyst has not served as director/officer/employee in the subject company 5
- MOFSL has not acted as a manager or co-manager of public offering of securities of the subject company in past 12 months 6
- MOFSL has not received compensation for investment banking/merchant banking/brokerage services from the subject company in the past 12 months 7
- MOFSL has not received compensation for other than investment banking/merchant banking/brokerage services from the subject company in the past 12 months 8
- MOFSL has not received any compensation or other benefits from third party in connection with the research report q
- 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, 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
	022 40548000 / 022 67490600	guery@motilaloswal.com
Ms. Kumud Upadhyay		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