

JM Logistics Pulse

August 2026



Ports & Logistics

A sharp rise in coal volumes; container volumes soften

Core EXIM growth stood at ~18% YoY in Jul'26, significantly higher than aggregate container volume growth at ~4% YoY as well as cargo volume growth of ~6% YoY, indicating a sharp price inflation. Major ports (+8.8% YoY) continued to drive overall volume growth, while minor ports (+3.5% YoY) showed signs of revival in Jul'26. Although overall container volume growth was soft (~4% YoY), JNPT's container volume growth was strong (+11% YoY). ADSEZ's volume growth (+15% YoY) includes NQXT (acquired in Q4FY26), adjusted for which, volume growth would be ~7% in our assessment. Overall rail container volume fell 8.7% YoY. Rail coefficient for container evacuation at JNPT stood at 13.5% (flat MoM) in Jul'26. GMR Airports reports 1.9% YoY decline in passenger traffic (excluding Nagpur airport) in Jul'26 with its top-performing airport DIAL reporting soft growth at just 3.4% YoY.

- **Jul'26 core EXIM growth outpaces growth in volumes; indicates price inflation:** Core EXIM growth at ~18% YoY was higher than the growth in aggregate container volumes at ~4% YoY and aggregate cargo volume at ~6% YoY, which implies a sharp price inflation, particularly in electronic goods. Core imports grew 21.1% YoY while core exports rose 13.5% YoY.
- **Sharp rise in coal volume supported growth in major and minor ports:** Major ports handled 79.3mmt of cargo in Jul'26, up 8.8% YoY, with key drivers being coking/thermal coal at +26%/+16% YoY and POL at +9.6% YoY. EXIM cargo volumes were up 7.4% YoY while coastal cargo volumes rose 13.8% YoY. Cargo volumes at minor ports showed signs of revival, up 3.5% YoY in Jul'26 (down 2.8% YoY in Jun'26), with thermal coal (+152% YoY) driving majority of growth. Within minor ports, coastal cargo grew 15.5% YoY while EXIM cargo edged up 1% YoY. Total port volumes (minor+major) grew 6.4% YoY.
- **Container volume growth softens to 3.9% YoY in Jul'26:** Container volumes at major ports were at 1.32mmTEUs, up 6% YoY (flat YoY by tonnage), driven by JNPT (+11% YoY) and Kandla (+43% YoY), while volumes at Chennai were weak (-13% YoY). Minor ports' container volumes came in at 0.92mmTEUs, up just 1% YoY (+1% YoY by tonnage). Overall container volume growth (major+minor ports in TEUs) grew 4% YoY in Jul'26, lower than 8–10% YoY in Apr–Jun'26.
- **ADSEZ port volumes up 15.2% YoY in Jul'26:** ADSEZ handled 46.3mmt volumes in Jul'26, up 15.2% YoY, supported by healthy growth in dry cargo volumes (+21% YoY). This is significantly higher than major ports' volume growth of 8.8% YoY as ADSEZ's volumes also includes volumes from NQXT (acquired in Q4FY26). Adjusted for NQXT, the growth would be ~7% in our assessment. Rail volumes for ADSEZ at 51.02k TEUs declined 16.3% YoY.
- **Overall rail container volumes down 8.7% YoY; JNPT's rail coefficient stable at 13.5% MoM:** Rail container volumes at 7.6mmt declined 8.7% YoY versus stable YoY growth in overall container volumes. Volumes declined YoY for the fifth consecutive month. JNPT handled 745k TEUs of containers in Jul'26 (+11% YoY), but volumes evacuated by rail declined 5.4% YoY. As a result, rail coefficient at JNPT stood at 13.5% (13.6% in Jun'26).
- **GMR Airports' passenger traffic flat YoY; commence operations at Bhogapuram Airport:** GMR Airports handled 9.31mn passengers in Jul'26, flat YoY with DIAL growth soft at 3.7% YoY. Hyderabad airport remains weak for the sixth consecutive month with traffic down 9.6% YoY. GMR commenced operations at Nagpur Airport in late-Jun'26. Excluding the Nagpur airport, total passenger traffic was down ~1.9% YoY. They also commenced operations at Bhogapuram Airport on 17th Aug'26 ([link](#)).
- **LPG production up 44% YoY; Gol set maximum LPG production targets:** LPG production at 1.5mmt grew 44% YoY, while imports at 1.02mmt declined 45% YoY in Jun'26. As a result, import dependence for LPG stood at 47% in Jun'26, much lower than pre-crisis levels (~60%). MoPNG has now set maximum LPG production target of 63.81kt/day ([link](#)), further emphasising LPG production. On the other hand, India is also increasing its LPG sourcing from the US, which is likely to be the top exporter of LPG for India, surpassing the Middle East ([link](#)).



Priyankar Biswas

priyankar.biswas@jmfl.com | Tel: (91 22) 69703622

Neelotpal Sahu

neelotpal.sahu@jmfl.com | Tel: (91 22) 69703660

Gaurav Jawalkar

gaurav.jawalkar@jmfl.com | Tel: (91 22) 66303372

JM Financial Research is also available on: Bloomberg - JMFR <GO>, FactSet, LSEG and S&P Capital IQ.

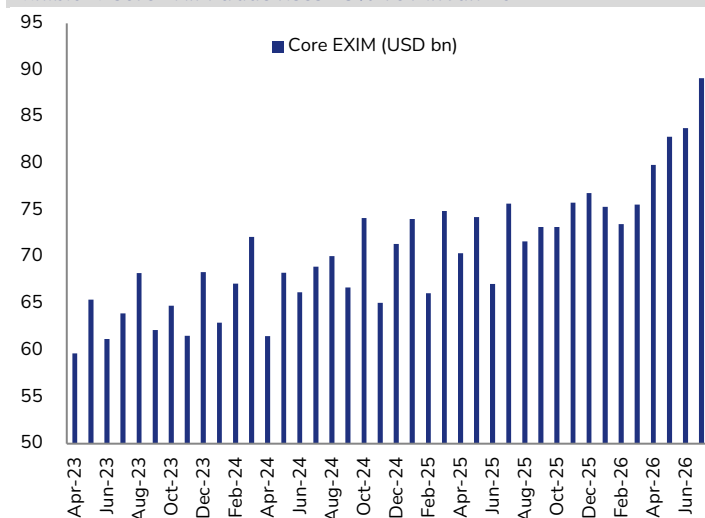
Please see Appendix I at the end of this report for Important Disclosures and Disclaimers and Research Analyst Certification.

Core EXIM trade growth at 18% YoY in Jul'26

Core imports up 21.1% YoY; core exports growth at 13.5% YoY

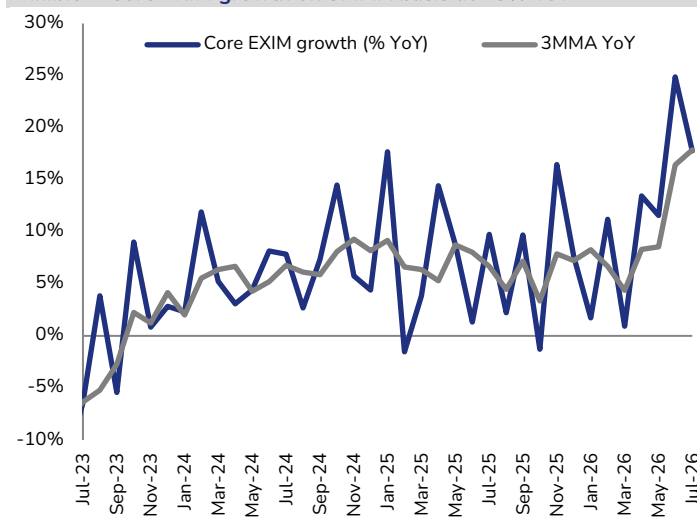
Core EXIM trade growth remained strong at 17.8% YoY in Jul'26: Core EXIM (total of exports and imports excluding POL, gold, silver and precious metals) in Jul'26 stood at USD 89.15bn, up 17.8% YoY versus 24.9% YoY growth in Jun'26. Core imports rose 21.1% YoY led by 46% YoY growth in electronic goods imports. Core exports grew 13.5% YoY led by engineering goods exports rising 17.4% YoY. Core EXIM growth at 17.8% YoY has significantly outpaced the growth in aggregate container volumes at just ~4% YoY and aggregate cargo volume at ~6% YoY, indicating a sharp price inflation, particularly in electronic goods.

Exhibit 1: Core EXIM trade rises 18% YoY in Jun'26



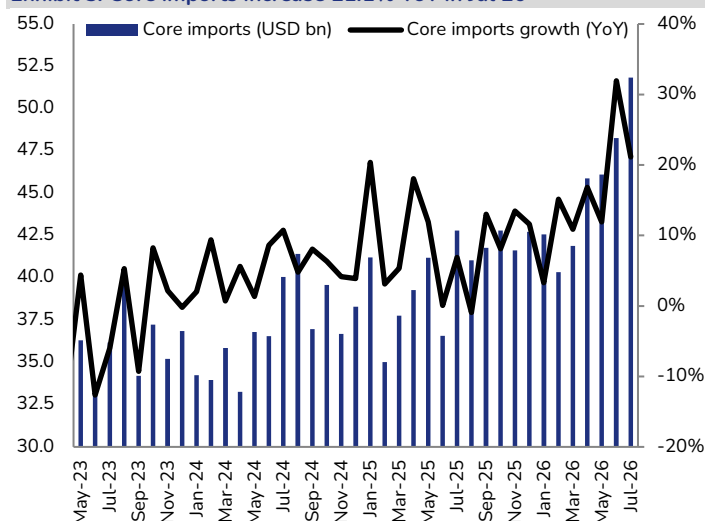
Source: Ministry of trade, JM Financial

Exhibit 2: Core EXIM growth on 3MMA basis at 18% YoY



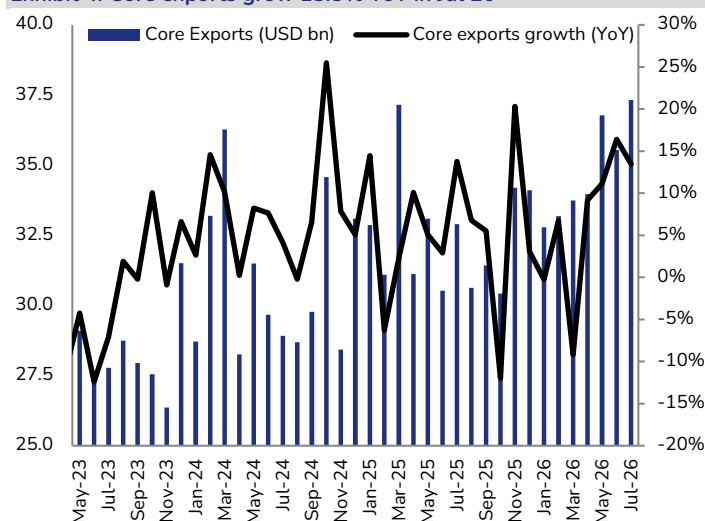
Source: Ministry of trade, JM Financial

Exhibit 3: Core imports increase 21.1% YoY in Jul'26



Source: Ministry of trade, JM Financial

Exhibit 4: Core exports grow 13.5% YoY in Jul'26



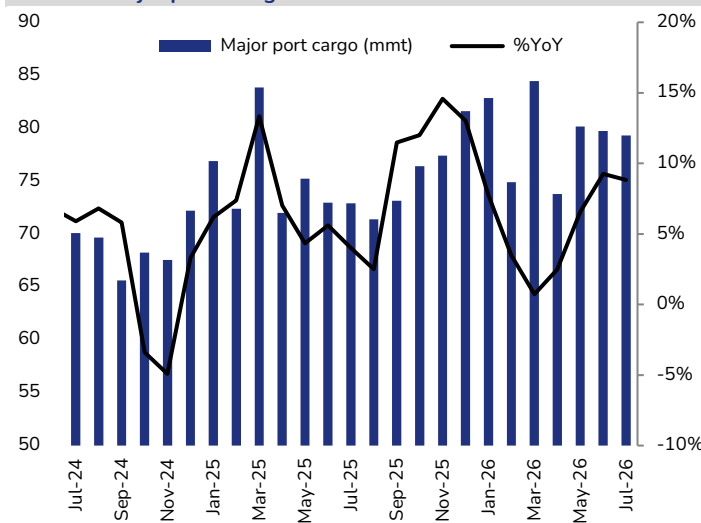
Source: Ministry of trade, JM Financial

Major ports outperform minor ports in Jul'26

Major ports' volume growth up ~9% YoY; minor ports' volumes up ~3.5% YoY

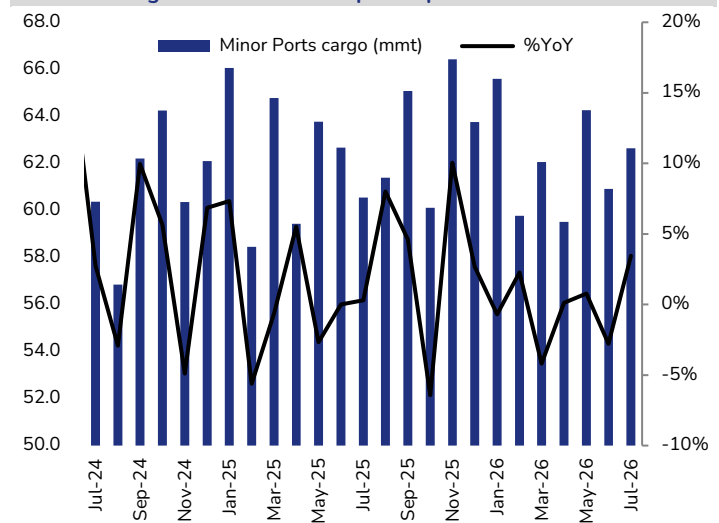
- **Major ports' volumes grow 8.8% YoY in Jul'26:** Major ports' volumes growth came in at 8.8% YoY (versus 9.3% YoY in Jun'26) at 79.3mmt. Volume growth was sustained after weakness seen during Feb–Apr'26. Volume growth was primarily led by coal (thermal coal volumes up 15.8% YoY; coking coal volumes up 26% YoY) and POL (up 9.6% YoY). Container volumes (in tonnage) were flat YoY in Jul'26 (+6% YoY in TEUs).
- **EXIM volumes at major ports up 7.4% YoY in Jul'26:** EXIM cargo volumes grew 7.4% YoY (+8.5% YoY in Jun'26), while coastal cargo volumes are up 13.8% YoY in Jul'26 (+12.5% in Jun'26).
- **Minor ports' volumes growth soft at 3.5% YoY in Jul'26:** Overall volumes handled by minor ports came in at 62.65mmt, modestly up 3.5% YoY in Jul'26 (down 2.8% in Jun'26). This was largely driven by EXIM cargo volumes, up just 1% YoY, while coastal cargo volumes remained strong, up 15.5% YoY in Jul'26.
- **Aggregate port volumes** (major and minor) rose 6.4% YoY with 14.4% YoY growth in coastal cargo, whereas overseas volumes increased 4.4% YoY in Jul'26.

Exhibit 5: Major ports' cargo volumes rise 8.8% YoY in Jul'26



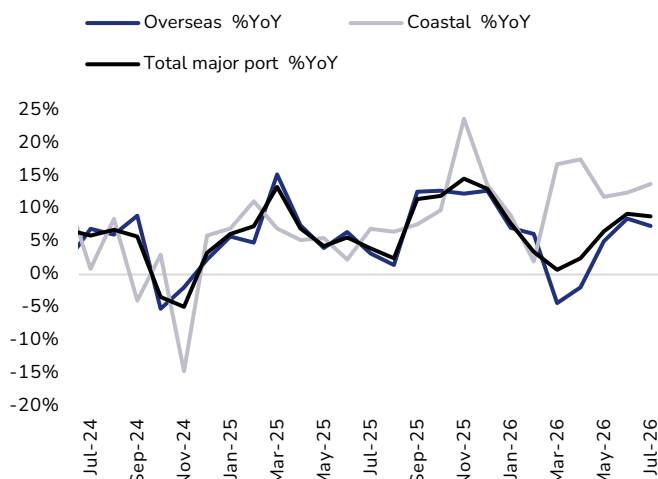
Source: IPA, JM Financial

Exhibit 6: Cargo volumes at minor ports up 3.5% YoY in Jul'26



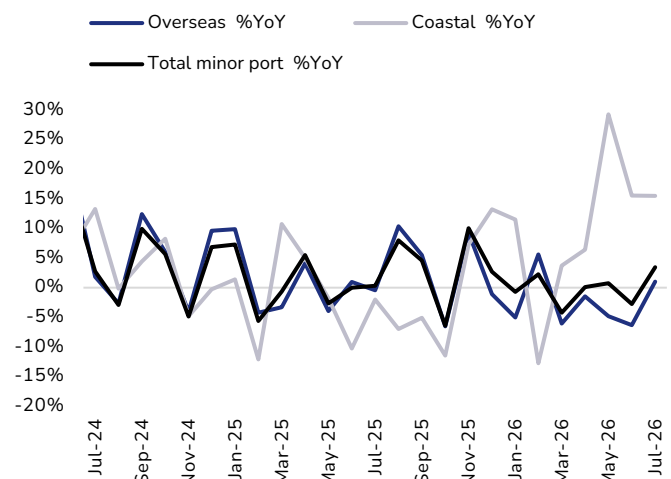
Source: IPA, JM Financial

Exhibit 7: EXIM cargo volumes at major ports grow 7.4% YoY



Source: IPA, JM Financial

Exhibit 8: EXIM cargo volumes at minor ports up just 1% YoY

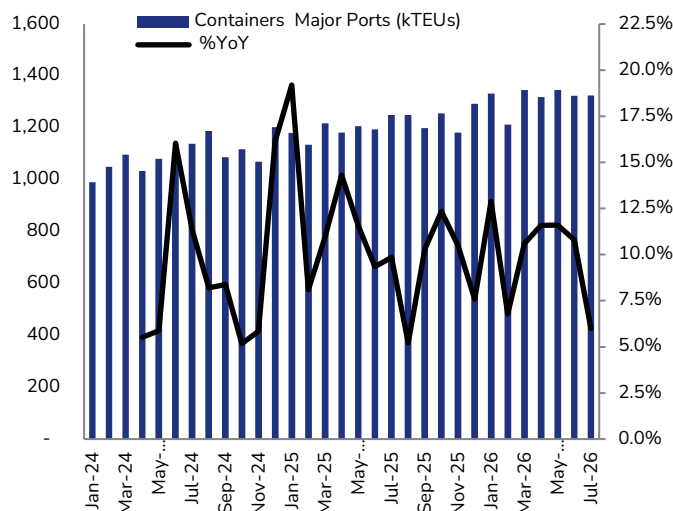


Source: IPA, JM Financial

Container volumes growth soft at 3.9% YoY in Jul'26

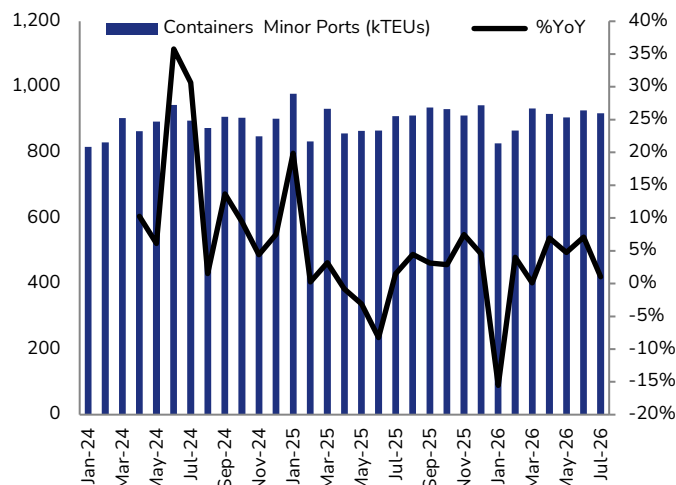
- Major ports handled 1.32mmTEUs of container volumes, up 6% YoY (flat YoY by tonnage). Growth was primarily driven by JNPT (+11.5% YoY) and Kandla (+43% YoY), while volumes handled at Chennai (-13% YoY), Vizag (-23% YoY) dropped significantly in Jul'26.
- Container volumes at minor ports remained muted in Jul'26, at 0.92mmTEUs, up just 1% YoY (+1% YoY by tonnage).
- Overall container volume growth (in TEUs aggregate for major and minor ports) came in at 3.9% YoY in Jul'26, lower than 9.2% YoY in Jun'26.

Exhibit 9: Major ports' container volumes growth fall to 6% YoY



Source: IPA, JM Financial

Exhibit 10: Minor ports' container volumes at just 1% YoY



Source: IPA, JM Financial

Exhibit 11: Container volumes by major port (TEUs) – Growth led by JNPT and Kandla

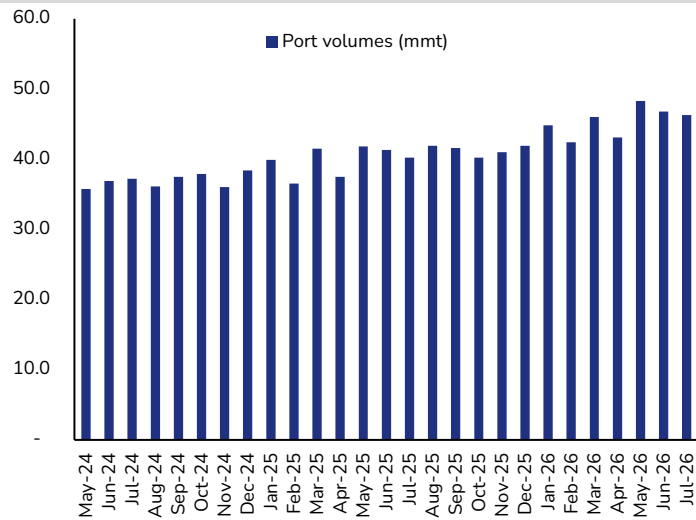
kTEUs	Jul-26	Jul-25	Jun-26	%YoY	%MoM
JNPT	745	669	724	11.4%	2.9%
Chennai	138	159	169	-13.2%	-18.3%
Kolkata	94	85	87	10.6%	8.0%
Kochi	74	64	75	15.6%	-1.3%
VO Chidambaranar	78	81	72	-3.7%	8.3%
Kandla	60	42	60	42.9%	0.0%
Vizag	48	62	54	-22.6%	-11.1%
Ennore	68	64	60	6.3%	13.3%
New Mangalore	17	21	20	-19.0%	-15.0%
Major ports containers	1,325	1,250	1,323	6.0%	0%

Source: Industry, JM Financial

ADSEZ reports total volume growth of ~15% YoY in Jul'26

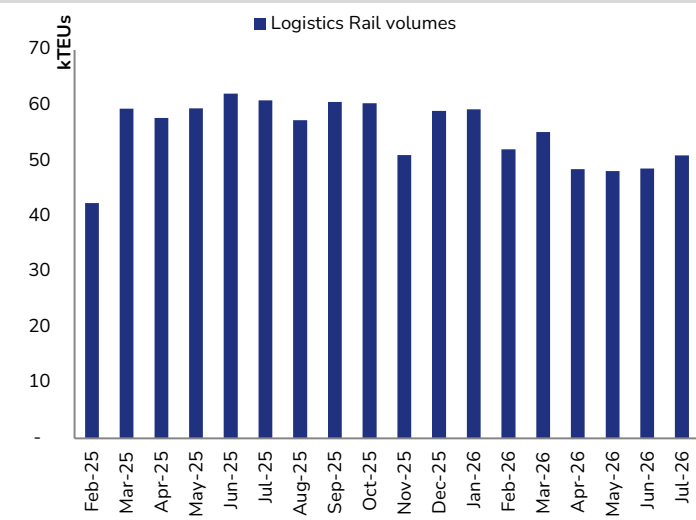
- For Jul'26, ADSEZ port handled 46.3mmt cargo (+15.2% YoY), led by dry cargo volume growth of 21% YoY. The growth is significantly higher than major ports' volume growth of 8.8 % YoY largely due to newly added capacity at NQXT (Australia).
- Underlying volume growth (excluding implied volumes of NQXT; commenced in Q4FY26 since this is not present in the base) would have been at ~7% YoY in our assessment, slightly lower than that of major ports in Jul'26.
- Logistics' rail volumes were modest at 51.02k TEUs (-16.3% YoY) in Jul'26, down YoY for a fifth consecutive month.

Exhibit 12: ADSEZ reports 15.2% YoY growth in port volumes



Source: JM Financial, Company

Exhibit 13: Logistics' rail volumes weak for Jul'26

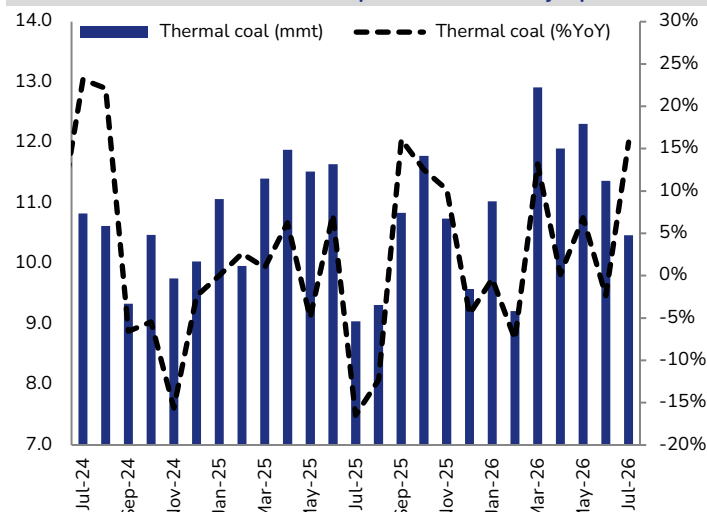


Source: JM Financial, Company

Aggregate port coal volumes rise 14.2% YoY in Jul'26

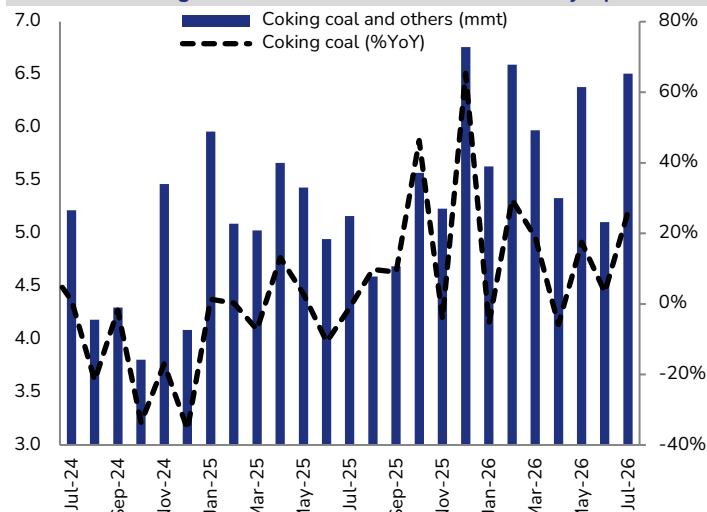
- Overall coal volumes (coking and thermal) at major ports came in at 17mmt, up 19.5% YoY in Jul'26 (-1% YoY in Jun'26) with thermal coal/coking coal volumes up 15.8% YoY/26% YoY.
- Coal volumes at minor ports' coal were at 16.8mmt, up 9.6% YoY, showing signs of revival as the volumes were down 7%/15%/8% YoY in Apr/May/Jun'26. Within minor ports, thermal coal volumes grew strongly by ~2.5x YoY to support this growth.
- As a result, overall coal volumes (minor and major ports) came in at 33.7mmt, up 14.4% YoY in Jul'26 (-4.4% YoY in Jun'26).

Exhibit 14: Thermal coal volumes up 15.8% YoY at major ports



Source: Ministry of shipping, JM Financial

Exhibit 15: Coking coal volumes increase 26% YoY at major ports



Source: Ministry of shipping, JM Financial

Exhibit 16: Coal volumes up 14.4% YoY in Jul'26 with signs of revival at minor ports

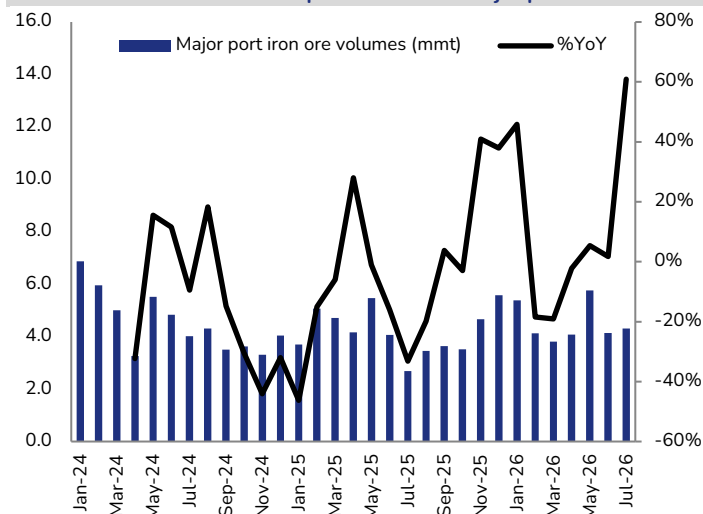
mmt	Jul'26	Jul'25	%YoY
Major ports			
Coal volumes	17.0	14.2	19.5%
Thermal coal	10.5	9.0	15.8%
Coking coal and others	6.5	5.2	26.0%
Minor ports			
Coal volumes	16.8	15.3	9.6%
Thermal coal	7.7	3.0	151.7%
Coking coal and others	9.1	12.2	-25.7%
Total port coal volumes			
Major+Minor	33.7	29.5	14.4%

Source: Ministry of shipping, JM Financial

Iron ore volumes rise ~61% YoY in Jul'26 at major ports due to base effect

Major ports' iron ore volumes came in at 4.3mmt, up 60.9% YoY in Jul'26, as iron ore volumes in Jul'25 were recorded at the lowest level at least within the last three years. Within major ports, volumes at key ports such as Paradip grew 62.6% YoY, and those at Vizag port rose 38.4% YoY. The sharp increase in iron ore volumes at the Paradip port is also due to weak volumes seen in Jul'25.

Exhibit 17: Iron ore volumes up 60.9% YoY at major ports in Jul'26



Source: Ministry of shipping, JM Financial

Exhibit 18: Iron ore volumes at key major ports in Jul'26

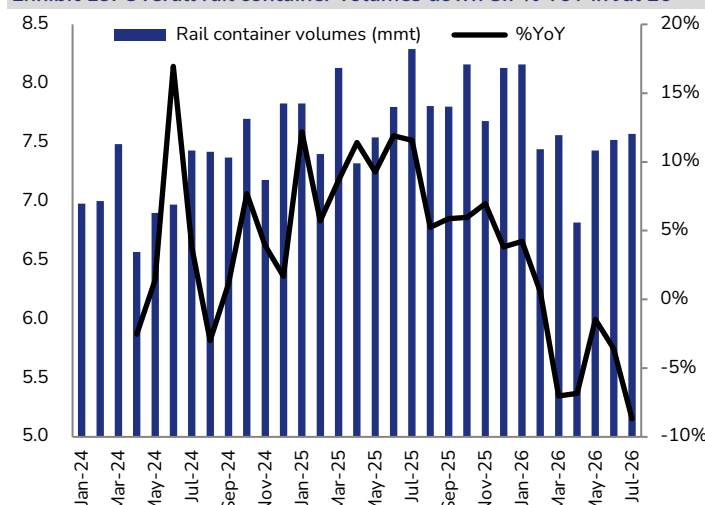
mmt	Jul-26	Jul-25	Jun-26	%YoY	%MoM
Paradip	1.7	1.0	1.9	62.6%	-12.8%
Vizag	1.1	0.8	1.0	38.4%	13.0%
Total major ports	4.3	2.7	4.1	60.9%	4.4%

Source: Ministry of shipping, JM Financial

Rail coefficient at JNPT remains stable MoM in Jul'26

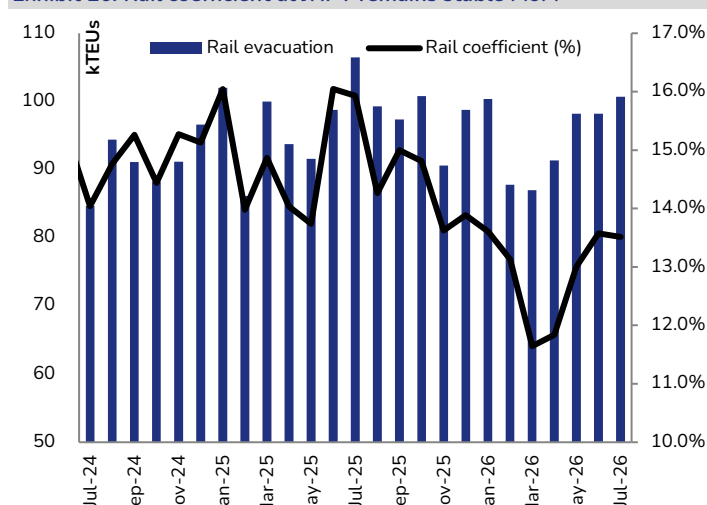
JNPT's port container volumes rose 11.5% YoY/+3% MoM to 745k TEUs. Containers evacuated via rail came in at 100k TEUs (-5.4% YoY/+2.6% MoM). This implies rail coefficient at JNPT for Jul'26 at 13.52%, stable versus 13.57% in Jun'26, albeit lower than the average level of ~14% seen during FY26 and ~16% in Jul'25. Overall rail container volumes stood at 7.6mmt, down 8.7% YoY, declining YoY for the fifth consecutive month.

Exhibit 19: Overall rail container volumes down 8.7% YoY in Jul'26



Source: JNPA, JM Financial

Exhibit 20: Rail coefficient at JNPT remains stable MoM



Source: JNPT, JM Financial

CCRI raised its EXIM volume guidance to 15% (8% earlier) for FY27

During Q1FY27, management increased the handling volume growth guidance for EXIM to 15% versus 8% (given during the Q4FY26 call). They also expect domestic volume growth to reach 25% versus 15% as estimated earlier. This led to an increase in overall handling volume growth guidance to 18% versus 9.5% for FY27E, while maintaining EBITDA margin at 24–25%. The CCRI reported 8%/14.6% YoY growth, leading to overall growth of 9.6% in Q1FY27.

The increased guidance is largely on the back of successful commissioning of WDFC at JNPT. We note that the CCRI was able to grow EXIM market share by 90bps YoY, especially at JNPT in Q1FY27. Overall market share for the CCRI at JNPT stood at 62.6% (up 460bps YoY) in Q1FY27. Following the Q1FY27 conference call, we are raising EBITDA estimates by 5%/9% over FY27/28 for the CCRI to factor in higher EXIM volumes as guided by management ([note](#)).

Exhibit 21: CCRI raised its EXIM volume growth guidance to 15% (8% earlier) for FY27

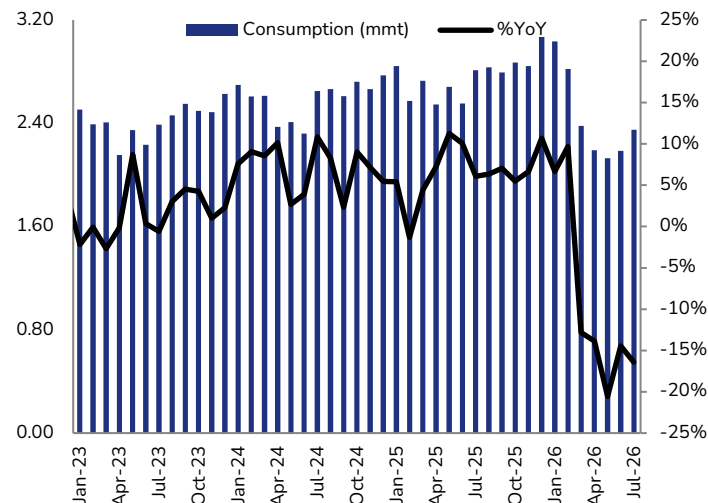
Volume growth guidance for FY27 (handling)	Earlier	Now	Q1FY27 Actual
EXIM	8%	15%	9.8%
Domestic	15%	25%	6.2%
Overall	9.5%	18.0%	8.9%

Source: Company, JM Financial

LPG imports recovering, led by US supplies

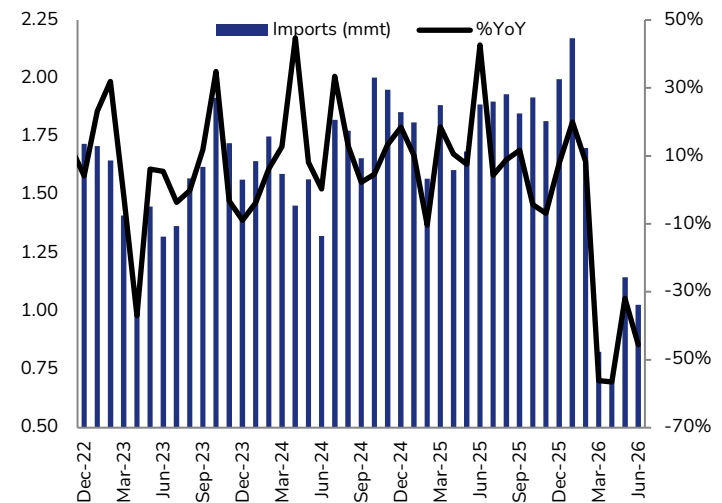
- **LPG consumption came in at 2.35mmt, down 16% YoY in Jul'26** (versus -21%/-14% YoY in May/Jun'26).
- **LPG import dependence at 47%; LPG production up 44.2% YoY in Jun'26:** LPG imports in Jun'26 stood at 1.03mmt (~50% of pre-crisis levels), down 45.6% YoY. LPG production stood at 1.5mmt in Jun'26, up 44.2% YoY. This leads to import dependence at 47% for Jun'26 (53.8% in May'26), which is lower than +60% levels seen during the pre-crisis period but still showing some improvements from ~30% levels seen during Mar-Apr'26 due to supply disruption from Middle East. As per reports ([link](#)), US is likely to emerge as the top LPG supplier for India with ~55% share of overall imports, replacing the Middle East – US was the fifth largest supplier of LPG to India in Jan'26.
- **GoI sets maximum LPG production targets for PSUs/private refineries:** The Ministry of Petroleum and Natural Gas (MoPNG) has now set maximum LPG production levels for 21 PSU/private refineries and upstream companies, with combined production potential set at 63.81kt/day ([link](#)). This is ~75% higher than the average daily production during FY26 and ~45% of average daily consumption of LPG seen during FY26, in our assessment. The production scheduled would be subject to be review every six months due to changes associated with infrastructure and production technology.
- **AVTL's Kandla and Pipavav port sees volume tailwinds with key infrastructure projects:** ~95% of KGPL (world's longest LPG pipeline) was completed at end-Mar'26 with ~1,022km in the Gujarat to Madhya Pradesh section already been charged. The crucial Kandla LPG terminal (4mmtpa) is now connected to Jamnagar-Loni pipeline (JLPL), which would be further connected to the Kandla Gorakhpur pipeline (KGPL) in coming months. Connection of these pipelines would be beneficial for AVTL as this would support LPG import volumes. Furthermore, new liquid berth capacity and 8–10km for spur connectivity to KGPL is expected to be completed by end-FY27. We reckon Pipavav port could see volume uptick from Q4FY27/FY28; we expect LPG throughput volumes at both Kandla and Pipavav terminals to see strong growth ([note](#)).

Exhibit 22: LPG consumption down 16% YoY in Jul'26

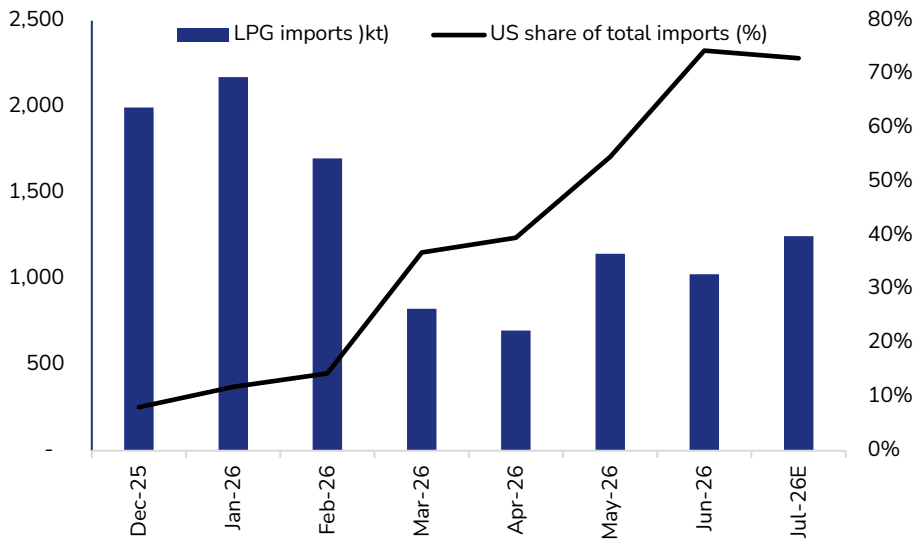


Source: PPAC, JM Financial

Exhibit 23: LPG imports down 45.6% YoY in Jun'26



Source: PPAC, JM Financial

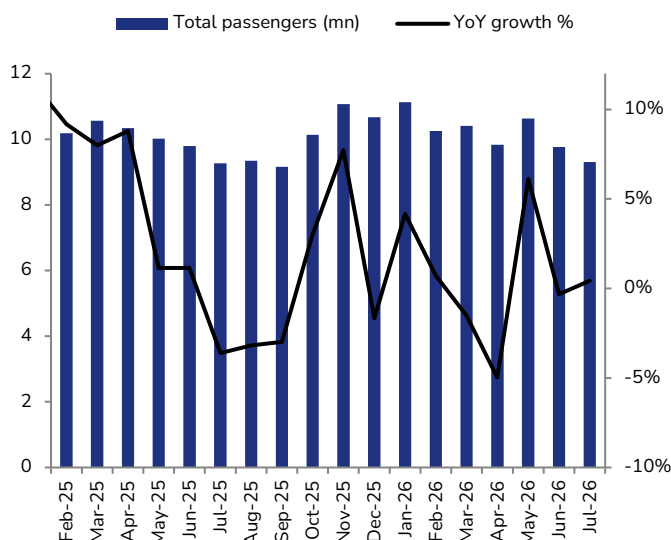
Exhibit 24: LPG imports improve led by rising supplies from the US

Source: Industry, JM Financial

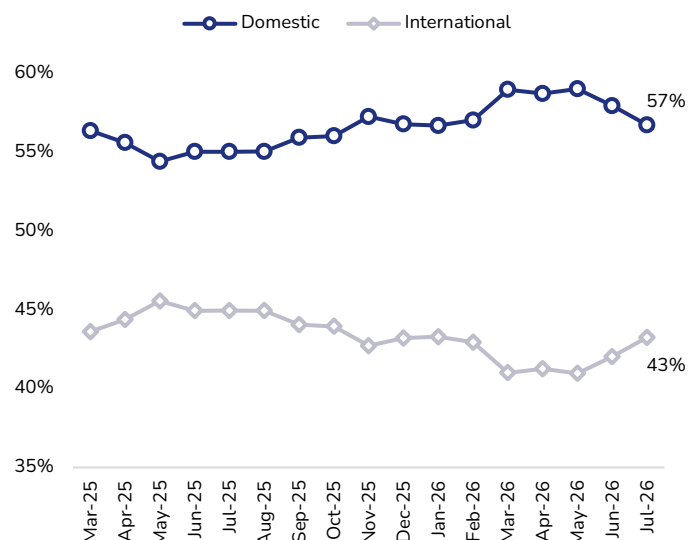
GMR Airports' passenger traffic weak in Jul'26, excluding Nagpur airport

GMR Airports handled 9.31mn passengers across airports (excluding Cebu) – flat YoY (-4.6% MoM) in Jul'26. The weakness was seen across all their airports, barring Delhi Airport, which reported soft 3.7% YoY rise (-8.4% MoM) in passenger traffic. Passenger traffic at Hyderabad airport declined 9.6% YoY (-2.8% MoM) in Jul'26, making it the sixth consecutive month of passenger traffic fall. During the Q1FY27 conference call, management highlighted that the overall passenger traffic at Hyderabad airport is likely to remain flat YoY in FY27. Within domestic airports, international passenger traffic remained weak (down 4.6% YoY) while domestic passenger traffic was up marginally (up 2.2% YoY).

We do note that GMR Airports commenced operations at Nagpur airport, which handled 0.21mn passengers in Jul'26. Excluding this, the total passenger traffic declined 1.9% YoY (-6.8% MoM) in Jul'26. GMR Airports also commenced its operations at Bhogapuram Airport from 17th Aug'26 ([link](#)), which is designed to handle 6mn passengers/annum with further expansion plans to handle ~40mn passengers/annum.

Exhibit 25: Overall passenger traffic flat YoY in Jul'26

Source: JM Financial, Company

Exhibit 26: Passenger traffic split at domestic airports

Source: JM Financial, Company

APPENDIX I

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

Research Analyst(s) Certification

The Research Analyst(s), with respect to each issuer and its securities covered by them in this research report, certify that:

All of the views expressed in this research report accurately reflect his or her or their personal views about all of the issuers and their securities; and No part of his or her or their compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

Rating System: Definition of ratings	
Rating	Meaning
BUY	Expected return $\geq$ 15% over the next twelve months.
ADD	Expected return $\geq$ 5% and $<$ 15% over the next twelve months.
REDUCE	Expected return $\geq$ -10% and $<$ 5% over the next twelve months.
SELL	Expected return $<$ -10% over the next twelve months.

Note: For REITs (Real Estate Investment Trust) and InvIT (Infrastructure Investment Trust) total expected returns include dividends or DPU (distribution per unit)

Important Disclosures

This research report has been prepared by JM Financial Institutional Securities Limited (JM Financial Institutional Securities) to provide information about the company(ies) and sector(s), if any, covered in the report and may be distributed by it and/or its associates solely for the purpose of information of the select recipient of this report. This report and/or any part thereof, may not be duplicated in any form and/or reproduced or redistributed without the prior written consent of JM Financial Institutional Securities. This report has been prepared independent of the companies covered herein.

JM Financial Institutional Securities is registered with the Securities and Exchange Board of India (SEBI) as a Research Analyst and a Stock Broker having trading memberships of the BSE Ltd. (BSE) and National Stock Exchange of India Ltd. (NSE). No material disciplinary action has been taken by SEBI against JM Financial Institutional Securities in the past two financial years which may impact the investment decision making of the investor. Registration granted by SEBI and certification from the National Institute of Securities Market (NISM) in no way guarantee performance of JM Financial Institutional Securities or provide any assurance of returns to investors.

JM Financial Institutional Securities renders stock broking services primarily to institutional investors and provides the research services to its institutional clients/investors. JM Financial Institutional Securities and its associates are part of a multi-service, integrated investment banking, investment management, brokerage and financing group. JM Financial Institutional Securities and/or its associates might have provided or may provide services in respect of managing offerings of securities, corporate finance, investment banking, mergers & acquisitions, broking, financing or any other advisory services to the company(ies) covered herein. JM Financial Institutional Securities and/or its associates might have received during the past twelve months or may receive compensation from the company(ies) mentioned in this report for rendering any of the above services.

JM Financial Institutional Securities and/or its associates, their directors and employees may; (a) from time to time, have a long or short position in, and buy or sell the securities of the company(ies) mentioned herein or (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) covered under this report or (c) act as an advisor or lender/borrower to, or may have any financial interest in, such company(ies) or (d) considering the nature of business/activities that JM Financial Institutional Securities is engaged in, it may have potential conflict of interest at the time of publication of this report on the subject company(ies).

Neither JM Financial Institutional Securities nor its associates or the Research Analyst(s) named in this report or his/her relatives, own one per cent or more securities of the company(ies) covered under this report, at the relevant date as specified in the SEBI (Research Analysts) Regulations, 2014.

The Research Analyst(s) principally responsible for the preparation of this research report and their immediate relatives are prohibited from buying or selling debt or equity securities, including but not limited to any option, right, warrant, future, long or short position issued by company(ies) covered under this report. The Research Analyst(s) principally responsible for the preparation of this research report or their immediate relatives (as defined under SEBI (Research Analysts) Regulations, 2014); (a) do not have any financial interest in the company(ies) covered under this report or (b) did not receive any compensation from the company(ies) covered under this report, or from any third party, in connection with this report or (c) do not have any other material conflict of interest at the time of publication of this report. Research Analyst(s) are not serving as an officer, director or employee of the company(ies) covered under this report.

While reasonable care has been taken in the preparation of this report, it does not purport to be a complete description of the securities, markets or developments referred to herein, and JM Financial Institutional Securities does not warrant its accuracy or completeness. JM Financial Institutional Securities may not be in any way responsible for any loss or damage that may arise to any person from any inadvertent error in the information contained in this report. This report is provided for information only and is not an investment advice and must not alone be taken as the basis for an investment decision.

This research report is based on the fundamental research/analysis conducted by the Research Analyst(s) named herein. Accordingly, this report has been prepared by studying/focusing on the fundamentals of the company(ies) covered in this report and other macro-economic factors. JM Financial Institutional Securities may have also issued or may issue, research reports and/or recommendations based on the technical/quantitative analysis of the company(ies) covered in this report by studying and using charts of the stock's price movement, trading volume and/or other volatility parameters. As a result, the views/recommendations expressed in such technical research reports could be inconsistent or even contrary to the views contained in this report.

The investment discussed or views expressed or recommendations/opinions given herein may not be suitable for all investors. The user assumes the entire risk of any use made of this information. The information contained herein may be changed without notice and JM Financial Institutional Securities reserves the right to make modifications and alterations to this statement as they may deem fit from time to time.

This report is neither an offer nor solicitation of an offer to buy and/or sell any securities mentioned herein and/or not an official confirmation of any transaction.

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 JM Financial Institutional Securities and/or its affiliated company(ies) 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 a certain category of investors. Persons in whose possession this report may come, are required to inform themselves of and to observe such restrictions. Please click [here](#) to access our detailed Terms and Conditions, including the Most Important Terms and Conditions.

Additional disclosure only for U.S. persons: JM Financial Institutional Securities has entered into an agreement with JM Financial Securities, Inc. ("JM Financial Securities"), a U.S. registered broker-dealer and member of the Financial Industry Regulatory Authority ("FINRA") in order to conduct certain business in the United States in reliance on the exemption from U.S. broker-dealer registration provided by Rule 15a-6, promulgated under the U.S. Securities Exchange Act of 1934 (the "Exchange Act"), as amended, and as interpreted by the staff of the U.S. Securities and Exchange Commission ("SEC") (together "Rule 15a-6").

This research report is distributed in the United States by JM Financial Securities in compliance with Rule 15a-6, and as a "third party research report" for purposes of FINRA Rule 2241. In compliance with Rule 15a-6(a)(3) this research report is distributed only to "major U.S. institutional investors" as defined in Rule 15a-6 and is not intended for use by any person or entity that is not a major U.S. institutional investor. If you have received a copy of this research report and are not a major U.S. institutional investor, you are instructed not to read, rely on, or reproduce the contents hereof, and to destroy this research or return it to JM Financial Institutional Securities or to JM Financial Securities.

This research report is a product of JM Financial Institutional Securities, which is the employer of the research analyst(s) solely responsible for its content. The research analyst(s) preparing this research report is/are resident outside the United States and are not associated persons or employees of any U.S. registered broker-dealer. Therefore, the analyst(s) are not subject to supervision by a U.S. broker-dealer, or otherwise required to satisfy the regulatory licensing requirements of FINRA and may not be subject to the Rule 2241 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Any U.S. person who is recipient of this report that wishes further information regarding, or to effect any transaction in, any of the securities discussed in this report, must contact, and deal directly through a U.S. registered representative affiliated with a broker-dealer registered with the SEC and a member of FINRA. In the U.S., JM Financial Institutional Securities has an affiliate, JM Financial Securities, Inc. located at 1177 Avenue of the Americas, 5th Floor, Offices 5045 and 5046, New York, New York 10036. Telephone +1 (646) 452 7004 / +1 (646) 452 7005 which is registered with the SEC and is a member of FINRA and SIPC.

Additional disclosure only for U.K. persons: Neither JM Financial Institutional Securities nor any of its affiliates is authorised in the United Kingdom (U.K.) by the Financial Conduct Authority. As a result, this report is for distribution only to persons who (i) have professional experience in matters relating to investments falling within Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended, the "Financial Promotion Order"), (ii) are persons falling within Article 49(2)(a) to (d) ("high net worth companies, unincorporated associations etc.") of the Financial Promotion Order, (iii) are outside the United Kingdom, or (iv) are persons to whom an invitation or inducement to engage in investment activity (within the meaning of section 21 of the Financial Services and Markets Act 2000) in connection with the matters to which this report relates may otherwise lawfully be communicated or caused to be communicated (all such persons together being referred to as "relevant persons"). This report is directed only at relevant persons and must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this report relates is available only to relevant persons and will be engaged in only with relevant persons.

Additional disclosure only for Canadian persons: This report is not, and under no circumstances is to be construed as, an advertisement or a public offering of the securities described herein in Canada or any province or territory thereof. Under no circumstances is this report to be construed as an offer to sell securities or as a solicitation of an offer to buy securities in any jurisdiction of Canada. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the registration requirement in the relevant province or territory of Canada in which such offer or sale is made. This report is not, and under no circumstances is it to be construed as, a prospectus or an offering memorandum. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed upon these materials, the information contained herein or the merits of the securities described herein and any representation to the contrary is an offence. If you are located in Canada, this report has been made available to you based on your representation that you are an "accredited investor" as such term is defined in National Instrument 45-106 Prospectus Exemptions and a "permitted client" as such term is defined in National Instrument 31-103 Registration Requirements, Exemptions and Ongoing Registrant Obligations. Under no circumstances is the information contained herein to be construed as investment advice in any province or territory of Canada nor should it be construed as being tailored to the needs of the recipient. Canadian recipients are advised that JM Financial Securities, Inc., JM Financial Institutional Securities Limited, their affiliates and authorized agents are not responsible for, nor do they accept, any liability whatsoever for any direct or consequential loss arising from any use of this research report or the information contained herein.

JM Financial Institutional Securities Limited

Corporate Identity Number: U67100MH2017PLC296081

Member of BSE Ltd. and National Stock Exchange of India Ltd.

SEBI Registration Nos.: Stock Broker - INZ000163434, Research Analyst - INH000000610

Registered Office: 7th Floor, Cnergy, Appasaheb Marathe Marg, Prabhadevi, Mumbai 400 025, India.

Board: +91 22 6630 3030 | Fax: +91 22 6630 3488 | Email: jmfinancial.research@jmfl.com | www.jmfl.com

Compliance Officer: Ms. Ashley Johnson | Tel: +91 22 6224 1862 | Email: ashley.johnson@jmfl.com

Grievance Officer: Ms. Ashley Johnson | Tel: +91 22 6224 1862 | Email: instcompliance@jmfl.com
