

Rating Update

March 21, 2024 | Mumbai

Chembond Chemicals Limited

Update as on March 21, 2024

This update is provided in continuation of the rating rational below.

The key rating sensitivity factors for the rating include:

Upward Factors

- Improvement in revenue growth and operating margin leading to sustained net cash accrual above Rs 25 crore.
- Sustained financial risk profile backed by strong capital structure, adequate liquidity, and robust debt protection metrics.

Downward Factors

- Subdued revenue growth, and operating margin sustaining below 4% over the medium term resulting in to lower net cash accruals
- Higher-than-expected debt-funded capital expenditure or acquisitions or stretch in working capital cycle weakens key credit metrics

CRISIL Ratings has a policy of keeping its accepted ratings under constant and ongoing monitoring and review. Accordingly, CRISIL Ratings seeks regular updates from companies on the business and financial performance. CRISIL Ratings is, however, awaiting adequate information from Chembond Chemicals Limited (CCL; part of Chembond group) which will enable us to carry out the rating review. CRISIL Ratings will continue provide updates on relevant developments from time to time on this credit.

CRISIL Ratings also identifies information availability risk as a key credit factor in the rating assessment as outlined in its criteria 'Information Availability Risk in Credit Ratings'.

About the Group

Set up in 1975 by Dr Vinod Shah, Mr Ashwin Nagarwadia and Mr Parviz Dastur, Chembond manufactures speciality chemicals and provides a range of products for diverse industrial applications. It offers metal-treatment chemicals, water-treatment chemicals, and industrial enzymes through its subsidiaries and joint ventures (JVs). The company also manufactures chemicals for the construction and infrastructure sectors, and high-performance coatings for structural protection from corrosion, for floors and walls in clean rooms, and for shop floors and building exteriors. The company diversified into equipment-based solutions for water treatment. Additionally, it trades in building construction chemicals. Manufacturing and blending plants are in Tarapur (Maharashtra), Baddi (Himachal Pradesh), Chennai (Tamil Nadu), and Dudhwada (Vadodara, Gujarat). Warehouses and branch offices are in Ahmedabad (Gujarat), New Delhi, Faridabad (Haryana), and Kolkata (West Bengal).

In 2001, the Chembond group formed a JV with Ashland Inc, USA, and simultaneously acquired Drewtreat Chemicals Ltd for water-treatment chemicals. Pursuant to the sale of water-technologies business globally by Ashland Inc to Solenis Netherlands BV (Solenis). Solenis took over the minority stake in the Indian JV, Chembond Ashland Water Technology Ltd; the JV was renamed Chembond Solenis Water Technologies Ltd effective August 21, 2014. On April 27, 2017, Chembond entered into an agreement to acquire the equity shares of Chembond Solenis Water Technologies Ltd from Solenis Netherlands BV, after which the said entity became a wholly owned subsidiary of Chembond.

Please note: This advisory should not be construed as a rating reaffirmation.



In November 2017, Chembond acquired 100% stake in Phiroze Sethna Pvt Ltd (Phiroze Sethna), which manufactures sealants and adhesives for the automotive industry. Phiroze Sethna also has a wholly owned subsidiary, Gramos Chemicals India Pvt Ltd, which manufactures products used in paint shops in the automotive industry.



Note for Media:

This rating rationale is transmitted to you for the sole purpose of dissemination through your newspaper/magazine/agency. The rating rationale may be used by you in full or in part without changing the meaning or context thereof but with due credit to CRISIL Ratings. However, CRISIL Ratings alone has the sole right of distribution (whether directly or indirectly) of its rationales for consideration or otherwise through any media including websites and portals.

About CRISIL Ratings Limited (A subsidiary of CRISIL Limited, an S&P Global Company)

CRISIL Ratings pioneered the concept of credit rating in India in 1987. With a tradition of independence, analytical rigour and innovation, we set the standards in the credit rating business. We rate the entire range of debt instruments, such as bank loans, certificates of deposit, commercial paper, non-convertible/convertible/partially convertible bonds and debentures, perpetual bonds, bank hybrid capital instruments, asset-backed and mortgage-backed securities, partial guarantees and other structured debt instruments. We have rated over 33,000 large and mid-scale corporates and financial institutions. We have also instituted several innovations in India in the rating business, including ratings for municipal bonds, partially guaranteed instruments and infrastructure investment trusts (InvITs).

CRISIL Ratings Limited ('CRISIL Ratings') is a wholly-owned subsidiary of CRISIL Limited ('CRISIL'). CRISIL Ratings Limited is registered in India as a credit rating agency with the Securities and Exchange Board of India ("SEBI").

For more information, visit www.crisilratings.com

About CRISIL Limited

CRISIL is a leading, agile and innovative global analytics company driven by its mission of making markets function better.

It is India's foremost provider of ratings, data, research, analytics and solutions with a strong track record of growth, culture of innovation, and global footprint.

It has delivered independent opinions, actionable insights, and efficient solutions to over 100,000 customers through businesses that operate from India, the US, the UK, Argentina, Poland, China, Hong Kong and Singapore.

It is majority owned by S&P Global Inc, a leading provider of transparent and independent ratings, benchmarks, analytics and data to the capital and commodity markets worldwide.

For more information, visit www.crisil.com

Connect with us: TWITTER | LINKEDIN | YOUTUBE | FACEBOOK

CRISIL PRIVACY NOTICE

CRISIL respects your privacy. We may use your contact information, such as your name, address and email id to fulfil your request and service your account and to provide you with additional information from CRISIL. For further information on CRISIL's privacy policy please visit www.crisil.com.

DISCLAIMER



This disclaimer is part of and applies to each credit rating report and/or credit rating rationale ('report') that is provided by CRISIL Ratings Limited ('CRISIL Ratings'). To avoid doubt, the term 'report' includes the information, ratings and other content forming part of the report. The report is intended for the jurisdiction of India only. This report does not constitute an offer of services. Without limiting the generality of the foregoing, nothing in the report is to be construed as CRISIL Ratings providing or intending to provide any services in jurisdictions where CRISIL Ratings does not have the necessary licenses and/or registration to carry out its business activities referred to above. Access or use of this report does not create a client relationship between CRISIL Ratings and the user.

We are not aware that any user intends to rely on the report or of the manner in which a user intends to use the report. In preparing our report we have not taken into consideration the objectives or particular needs of any particular user. It is made abundantly clear that the report is not intended to and does not constitute an investment advice. The report is not an offer to sell or an offer to purchase or subscribe for any investment in any securities, instruments, facilities or solicitation of any kind to enter into any deal or transaction with the entity to which the report pertains. The report should not be the sole or primary basis for any investment decision within the meaning of any law or regulation (including the laws and regulations applicable in the US).

Ratings from CRISIL Ratings are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold or sell any securities/instruments or to make any investment decisions. Any opinions expressed here are in good faith, are subject to change without notice, and are only current as of the stated date of their issue. CRISIL Ratings assumes no obligation to update its opinions following publication in any form or format although CRISIL Ratings may disseminate its opinions and analysis. The rating contained in the report is not a substitute for the skill, judgment and experience of the user, its management, employees, advisors and/or clients when making investment or other business decisions. The recipients of the report should rely on their own judgment and take their own professional advice before acting on the report in any way. CRISIL Ratings or its associates may have other commercial transactions with the entity to which the report pertains.

Neither CRISIL Ratings nor its affiliates, third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively, 'CRISIL Ratings Parties') guarantee the accuracy, completeness or adequacy of the report, and no CRISIL Ratings Party shall have any liability for any errors, omissions or interruptions therein, regardless of the cause, or for the results obtained from the use of any part of the report. EACH CRISIL RATINGS PARTY DISCLAIMS ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. In no event shall any CRISIL Ratings Party be liable to any party for any direct, indirect, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of any part of the report even if advised of the possibility of such damages.

CRISIL Ratings may receive compensation for its ratings and certain credit-related analyses, normally from issuers or underwriters of the instruments, facilities, securities or from obligors. Public ratings and analysis by CRISIL Ratings, as are required to be disclosed under the regulations of the Securities and Exchange Board of India (and other applicable regulations, if any), are made available on its website, www.crisilratings.com (free of charge). Reports with more detail and additional information may be available for subscription at a fee - more details about ratings by CRISIL Ratings are available here: www.crisilratings.com.

CRISIL Ratings and its affiliates do not act as a fiduciary. While CRISIL Ratings has obtained information from sources it believes to be reliable, CRISIL Ratings does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives and/or relies on in its reports. CRISIL Ratings has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process. CRISIL Ratings has in place a ratings code of conduct and policies for managing conflict of interest. For details please refer to: https://www.crisil.com/en/home/our-businesses/ratings/regulatory-disclosures/highlighted-policies.html.

Rating criteria by CRISIL Ratings are generally available without charge to the public on the CRISIL Ratings public website, www.crisilratings.com. For latest rating information on any instrument of any company rated by CRISIL



Ratings, you may contact the CRISIL Ratings desk at crisilratingdesk@crisil.com, or at (0091) 1800 267 1301.

This report should not be reproduced or redistributed to any other person or in any form without prior written consent from CRISIL Ratings.

All rights reserved @ CRISIL Ratings Limited. CRISIL Ratings is a wholly owned subsidiary of CRISIL Limited.

CRISIL Ratings uses the prefix 'PP-MLD' for the ratings of principal-protected market-linked debentures (PPMLD) with effect from November 1, 2011, to comply with the SEBI circular, "Guidelines for Issue and Listing of Structured Products/Market Linked Debentures". The revision in rating symbols for PPMLDs should not be construed as a change in the rating of the subject instrument. For details on CRISIL Ratings' use of 'PP-MLD' please refer to the notes to Rating scale for Debt Instruments and Structured Finance Instruments at the following link: https://www.crisil.com/en/home/our-businesses/ratings/credit-ratings-scale.html



Rating Rationale

January 31, 2023 | Mumbai

Chembond Chemicals Limited

Ratings Reaffirmed

Rating Action

Total Bank Loan Facilities Rated	Rs.12 Crore
Long Term Rating	CRISIL BBB+/Stable (Reaffirmed)
Short Term Rating	CRISIL A2 (Reaffirmed)

Note: None of the Directors on CRISIL Ratings Limited's Board are members of rating committee and thus do not participate in discussion or assignment of any ratings. The Board of Directors also does not discuss any ratings at its meetings. 1 crore = 10 million

Refer to Annexure for Details of Instruments & Bank Facilities

Detailed Rationale

CRISIL Ratings has reaffirmed its ratings on the bank facilities of Chembond Chemicals Limited (CCL; part of Chembond group) at 'CRISIL BBB+/Stable/CRISIL A2'.

The ratings continue to reflect extensive experience of the promoters in the chemicals industry which has led to established market position of the group across various segments and sub-segments along with healthy financial risk profile of the group. These strengths are partially offset by the intense competition in the specialty chemicals industry and its working capital intensive nature of operations.

Analytical Approach

For arriving at its ratings, CRISIL Ratings continues to combine the business and financial risk profiles of Chembond with those of its subsidiaries (see annexure). This is because all these entities, together referred to as the Chembond group, are owned and managed by the same promoters and have significant operational and financial linkages.

Please refer Annexure - List of entities consolidated, which captures the list of entities considered and their analytical treatment of consolidation.

Key Rating Drivers & Detailed Description Strengths:

Established market position with presence in diversified sub-segments:

With nearly five decades experience in specialty chemicals industry, Group has established its position as a market leader in the water treatment chemicals segment which has led to group venturing into other specialty chemical segments like the industrial coatings, construction chemicals and animal health segment. Group has a diversified customer base and deals with customers from various industries like automobile, animal cares, petrochemicals, steel, fertilizers and construction industries amongst others. Group is now benefitting from increased demand from the automobile segment and steady revenue growth from its major contributors the water treatment chemicals segment. Sustained growth in revenue and improvement in operating margins will continue to remain a key rating sensitivity factor.

Healthy financial risk profile:

Low total outside liabilities to adjusted networth estimated at sub 0.2 times on a healthy networth base estimated at around Rs 220-230 crore represents strong capital structure. Further, the debt protection metrics are also comfortable as marked by a healthy interest coverage ratio estimated at over 33 times and net cash accruals to adjusted debt of over 9.97 times in fiscal 2022 and interest coverage of over 35 times in the first half of fiscal 2023. Group's financial risk profile is expected to remain strong over the medium term in absence of any major debt funded capex

Weakness:

Working capital intensive operation:

Although on an improving trend group's working capital requirements are high as evidenced by the gross current asset (GCA) days of around 136 days as on March 31, 2022, against 164 days as on March 31, 2021. High GCA days are mainly driven by high debtor days of 95 days which have reduced to 87 days as on September 2022, these working capital requirements are met by the bank lines and creditors which stood at around 69 days as on March 31, 2022.

Exposure to intense competition:

Intense competition in surface and water-treatment chemical sector due to moderate capital requirement and easily available raw materials has led to many players entering this segment. Group continues to remain a major supplier for reputed customers with strong credit profile but is not the sole supplier for these customers. However, diversity of revenue from customers spread across various industries, segments and geographies leads to lower customer and industry concentration.

Liquidity: Adequate

Liquidity is strong marked by expected to generate cash accruals of over Rs 15 crore over the medium term against no repayment obligations. Group's bank limit utilization for fund-based liabilities was around 5% for the last twelve months ended September, 2022. Group plans on incurring a capex of Rs 10-12 Cr apart from routine capex of Rs 2-3 Cr and financed by internal accruals. Group has investments around Rs 75 Cr and cash and bank balance around Rs 19 Cr as on March 31,2022 which stood at Rs 61.95 Cr and Rs 8.60 Cr respectively as on September 30,2022.

Outlook: Stable

CRISIL Ratings believes the Chembond group will benefit over the medium term from its established market position and healthy relationship with key customers

Rating Sensitivity Factors

Upward Factors

- Improvement in revenue growth and operating margin leading to sustained net cash accrual above Rs 25 crore.
- Sustained financial risk profile backed by strong capital structure, adequate liquidity, and robust debt protection metrics.

Downward Factors

- Subdued revenue growth, and operating margin sustaining below 4% over the medium term resulting in to lower net cash accruals
- Higher-than-expected debt-funded capital expenditure or acquisitions or stretch in working capital cycle weakens key credit metrics

About the Group

Set up in 1975 by Dr Vinod Shah, Mr Ashwin Nagarwadia and Mr Parviz Dastur, Chembond manufactures speciality chemicals and provides a range of products for diverse industrial applications. It offers metal-treatment chemicals, water-treatment chemicals, and industrial enzymes through its subsidiaries and joint ventures (JVs). The company also manufactures chemicals for the construction and infrastructure sectors, and high-performance coatings for structural protection from corrosion, for floors and walls in clean rooms, and for shop floors and building exteriors. The company diversified into equipment-based solutions for water treatment. Additionally, it trades in building construction chemicals. Manufacturing and blending plants are in Tarapur (Maharashtra), Baddi (Himachal Pradesh), Chennai (Tamil Nadu), and Dudhwada (Vadodara, Gujarat). Warehouses and branch offices are in Ahmedabad (Gujarat), New Delhi, Faridabad (Haryana), and Kolkata (West Bengal).

In 2001, the Chembond group formed a JV with Ashland Inc, USA, and simultaneously acquired Drewtreat Chemicals Ltd for water-treatment chemicals. Pursuant to the sale of water-technologies business globally by Ashland Inc to Solenis Netherlands BV (Solenis). Solenis took over the minority stake in the Indian JV, Chembond Ashland Water Technology Ltd; the JV was renamed Chembond Solenis Water Technologies Ltd effective August 21, 2014. On April 27, 2017, Chembond entered into an agreement to acquire the equity shares of Chembond Solenis Water Technologies Ltd from Solenis Netherlands BV, after which the said entity became a wholly owned subsidiary of Chembond.

In November 2017, Chembond acquired 100% stake in Phiroze Sethna Pvt Ltd (Phiroze Sethna), which manufactures sealants and adhesives for the automotive industry. Phiroze Sethna also has a wholly owned subsidiary, Gramos Chemicals India Pvt Ltd, which manufactures products used in paint shops in the automotive industry.

Key Financial Indicators

<u>Rey i mancial malcators</u>			
Particulars	Unit	2022	2021
Revenue	Rs.Crore	350.6	274.7
Profit After Tax (PAT)	Rs.Crore	13.57	20.4
PAT Margin	%	3.9	7.4
Adjusted debt/adjusted networth	Times	0.1	0.0
Interest coverage	Times	33.34	58.7

Any other information: Not applicable

Note on complexity levels of the rated instrument:

CRISIL Ratings` complexity levels are assigned to various types of financial instruments and are included (where applicable) in the 'Annexure - Details of Instrument' in this Rating Rationale.

CRISIL Ratings will disclose complexity level for all securities - including those that are yet to be placed - based on available information. The complexity level for instruments may be updated, where required, in the rating rationale published subsequent to the issuance of the instrument when details on such features are available.

For more details on the CRISIL Ratings` complexity levels please visit <u>www.crisilratings.com</u>. Users may also call the Customer Service Helpdesk with queries on specific instruments.

Annexure - Details of Instrument(s)

SIN	Name of Instrument	Date of Allotment	Coupon Rate (%)	Maturity Date	Issue Size (Rs.Cr)	Complexity levels	Rating Assigned with Outlook
NA	Bank Guarantee	NA	NA	NA	3	NA	CRISIL A2
NA	Cash Credit	NA	NA	NA	9	NA	CRISIL BBB+/Stable

Names of Entities Consolidated	Extent of Consolidation	Rationale for Consolidation
Chembond Chemicals Limited	Fully consolidated	Parent company. Common promoters and significant operational and financial linkages
Chembond Clean Water Technologies Ltd	Fully consolidated	Step down subsidiary of Chembond. Common promoters and significant operational and financial linkages
Chembond Water Technologies Ltd	Fully consolidated	Wholly owned subsidiary of Chembond. Common promoters and significant operational and financial linkages
Chembond Biosciences Ltd	Fully consolidated	Wholly owned subsidiary of Chembond. Common promoters and significant operational and financial linkages
Chembond Material Technologies Private Ltd	Fully consolidated	Wholly owned subsidiary of Chembond. Common promoters and significant operational and financial linkages
Chembond-Calvatis Industrial Hygiene Systems Ltd	Fully consolidated	Chembond owns majority stake in the company and asserts control. Common promoters and significant operational and financial linkages
Chembond Polymers and Materials Ltd	Fully consolidated	Wholly owned subsidiary of Chembond. Common promoters and significant operational and financial linkages
Chembond Water Technologies (Malaysia) Sdn. Bhd.	Fully consolidated	Wholly owned subsidiary of Chembond Water Technologies Ltd and step down subsidiary of Chembond. Common promoters and significant operational and financial linkages
Phiroze Sethna Pvt Ltd	Fully consolidated	Wholly owned subsidiary of Chembond. Common promoters and significant operational and financial linkages
Gramos Chemicals India Pvt Ltd	Fully consolidated	Wholly owned subsidiary of Phiroze Sethna Pvt Ltd. and step down subsidiary of Chembond. Common promoters and significant operational and financial linkages
Chembond Distribution Ltd	Fully consolidated	Wholly owned subsidiary of Chembond. Common promoters and significant operational and financial linkages

Annexure - Rating History for last 3 Years

Instrument		Curren	t	2023 (History)	2	2022 2021		2	2020	Start of 2020	
	Туре	Outstanding Amount	Rating	Date	Rating	Date	Rating	Date	Rating	Date	Rating	Rating
Fund Based Facilities	LT	9.0	CRISIL BBB+/Stable					02-11-21	CRISIL BBB+/Stable	30-06-20	CRISIL BBB+/Stable	CRISIL A-/Stable
								30-09-21	CRISIL BBB+/Stable			
Non-Fund Based Facilities	ST	3.0	CRISIL A2					02-11-21	CRISIL A2	30-06-20	CRISIL A2	CRISIL A1
								30-09-21	CRISIL A2			

All amounts are in Rs.Cr.

Annexure - Details of Bank Lenders & Facilities

Facility	Amount (Rs.Crore)	Name of Lender	Rating
Bank Guarantee	3	HDFC Bank Limited	CRISIL A2
Cash Credit	9	HDFC Bank Limited	CRISIL BBB+/Stable

This Annexure has been updated on 31-Jan-2023 in line with the lender-wise facility details as on 17-Nov-2022 received from the rated entity.

Criteria Details

Links to related criteria	
Links to related Criteria	
ODION - Annual ship Singuist Detice	
CRISILs Approach to Financial Ratios	
Rating criteria for manufaturing and service sector companies	

<u>CRISILs Bank Loan Ratings - process, scale and default recognition</u>

Rating Criteria for Chemical Industry

CRISILs Criteria for Consolidation

Understanding CRISILs Ratings and Rating Scales

Media Relations	Analytical Contacts	Customer Service Helpdesk
Aveek Datta Media Relations CRISIL Limited M: +91 99204 93912 B: +91 22 3342 3000 AVEEK.DATTA@crisil.com Prakruti Jani Media Relations CRISIL Limited M: +91 98678 68976	Jaya Mirpuri Director CRISIL Ratings Limited B:+91 22 3342 3000 jaya.mirpuri@crisil.com Rushabh Pramod Borkar Team Leader CRISIL Ratings Limited B:+91 22 3342 3000 rushabh.borkar@crisil.com	Timings: 10.00 am to 7.00 pm Toll free Number:1800 267 1301 For a copy of Rationales / Rating Reports: CRISILratingdesk@crisil.com For Analytical queries: ratingsinvestordesk@crisil.com
B: +91 22 3342 3000 PRAKRUTI.JANI@crisil.com Rutuja Gaikwad Media Relations CRISIL Limited B: +91 22 3342 3000 Rutuja.Gaikwad@ext-crisil.com	Hetvi Shailesh Darji Management Trainee CRISIL Ratings Limited B:+91 22 3342 3000 Hetvi.Darji@crisil.com	

Note for Media:

This rating rationale is transmitted to you for the sole purpose of dissemination through your newspaper/magazine/agency. The rating rationale may be used by you in full or in part without changing the meaning or context thereof but with due credit to CRISIL Ratings. However, CRISIL Ratings alone has the sole right of distribution (whether directly or indirectly) of its rationales for consideration or otherwise through any media including websites and portals.

About CRISIL Ratings Limited (A subsidiary of CRISIL Limited, an S&P Global Company)

CRISIL Ratings pioneered the concept of credit rating in India in 1987. With a tradition of independence, analytical rigour and innovation, we set the standards in the credit rating business. We rate the entire range of debt instruments, such as bank loans, certificates of deposit, commercial paper, non-convertible/convertible/partially convertible bonds and debentures, perpetual bonds, bank hybrid capital instruments, asset-backed and mortgage-backed securities, partial guarantees and other structured debt instruments. We have rated over 33,000 large and mid-scale corporates and financial institutions. We have also instituted several innovations in India in the rating business, including ratings for municipal bonds, partially guaranteed instruments and infrastructure investment trusts (InvITs).

CRISIL Ratings Limited ('CRISIL Ratings') is a wholly-owned subsidiary of CRISIL Limited ('CRISIL'). CRISIL Ratings Limited is registered in India as a credit rating agency with the Securities and Exchange Board of India ("SEBI").

For more information, visit www.crisilratings.com

About CRISIL Limited

CRISIL is a leading, agile and innovative global analytics company driven by its mission of making markets function better.

It is India's foremost provider of ratings, data, research, analytics and solutions with a strong track record of growth, culture of innovation, and global footprint.

It has delivered independent opinions, actionable insights, and efficient solutions to over 100,000 customers through businesses that operate from India, the US, the UK, Argentina, Poland, China, Hong Kong and Singapore.

It is majority owned by S&P Global Inc, a leading provider of transparent and independent ratings, benchmarks, analytics and data to the capital and commodity markets worldwide.

For more information, visit www.crisil.com

Connect with us: TWITTER | LINKEDIN | YOUTUBE | FACEBOOK

CRISIL PRIVACY NOTICE

CRISIL respects your privacy. We may use your contact information, such as your name, address and email id to fulfil your request and service your account and to provide you with additional information from CRISIL. For further information on CRISIL's privacy policy please visit www.crisil.com.

DISCLAIMER

This disclaimer is part of and applies to each credit rating report and/or credit rating rationale ('report') that is provided by CRISIL Ratings Limited ('CRISIL Ratings'). To avoid doubt, the term 'report' includes the information, ratings and other content forming part of the report. The report is intended for the jurisdiction of India only. This report does not constitute an offer of services. Without limiting the generality of the foregoing, nothing in the report is to be construed as CRISIL Ratings providing or intending to provide any services in jurisdictions where CRISIL Ratings does not have the necessary licenses and/or registration to carry out its business activities referred to above. Access or use of this report does not create a client relationship between CRISIL Ratings and the user.

We are not aware that any user intends to rely on the report or of the manner in which a user intends to use the report. In preparing our report we have not taken into consideration the objectives or particular needs of any particular user. It is made abundantly clear that the report is not intended to and does not constitute an investment advice. The report is not an offer to sell or an offer to purchase or subscribe for any investment in any securities, instruments, facilities or solicitation of any kind to enter into any deal or transaction with the entity to which the report pertains. The report should not be the sole or primary basis for any investment decision within the meaning of any law or regulation (including the laws and regulations applicable in the US).

Ratings from CRISIL Ratings are statements of opinion as of the date they are expressed and not statements of fact or recommendations to purchase, hold or sell any securities/instruments or to make any investment decisions. Any opinions expressed here are in good faith, are subject to change without notice, and are only current as of the stated date of their issue. CRISIL Ratings assumes no obligation to update its opinions following publication in any form or format although CRISIL Ratings may disseminate its opinions and analysis. The rating contained in the report is not a substitute for the skill, judgment

and experience of the user, its management, employees, advisors and/or clients when making investment or other business decisions. The recipients of the report should rely on their own judgment and take their own professional advice before acting on the report in any way. CRISIL Ratings or its associates may have other commercial transactions with the entity to which the report pertains.

Neither CRISIL Ratings nor its affiliates, third-party providers, as well as their directors, officers, shareholders, employees or agents (collectively, 'CRISIL Ratings Parties') guarantee the accuracy, completeness or adequacy of the report, and no CRISIL Ratings Party shall have any liability for any errors, omissions or interruptions therein, regardless of the cause, or for the results obtained from the use of any part of the report. EACH CRISIL RATINGS PARTY DISCLAIMS ANY AND ALL EXPRESS OR IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY WARRANTIES OF MERCHANTABILITY, SUITABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR USE. In no event shall any CRISIL Ratings Party be liable to any party for any direct, incidental, exemplary, compensatory, punitive, special or consequential damages, costs, expenses, legal fees or losses (including, without limitation, lost income or lost profits and opportunity costs) in connection with any use of any part of the report even if advised of the possibility of such damages.

CRISIL Ratings may receive compensation for its ratings and certain credit-related analyses, normally from issuers or underwriters of the instruments, facilities, securities or from obligors. Public ratings and analysis by CRISIL Ratings, as are required to be disclosed under the regulations of the Securities and Exchange Board of India (and other applicable regulations, if any), are made available on its website, www.crisilratings.com (free of charge). Reports with more detail and additional information may be available for subscription at a fee - more details about ratings by CRISIL Ratings are available here: www.crisilratings.com.

CRISIL Ratings and its affiliates do not act as a fiduciary. While CRISIL Ratings has obtained information from sources it believes to be reliable, CRISIL Ratings does not perform an audit and undertakes no duty of due diligence or independent verification of any information it receives and/or relies on in its reports. CRISIL Ratings has established policies and procedures to maintain the confidentiality of certain non-public information received in connection with each analytical process. CRISIL Ratings has in place a ratings code of conduct and policies for managing conflict of interest. For details please refer to: https://www.crisil.com/en/home/our-businesses/ratings/regulatory-disclosures/highlighted-policies.html.

Rating criteria by CRISIL Ratings are generally available without charge to the public on the CRISIL Ratings public website, www.crisilratings.com. For latest rating information on any instrument of any company rated by CRISIL Ratings, you may contact the CRISIL Ratings desk at crisilratingdesk@crisil.com, or at (0091) 1800 267 1301.

This report should not be reproduced or redistributed to any other person or in any form without prior written consent from CRISIL Ratings.

All rights reserved @ CRISIL Ratings Limited. CRISIL Ratings is a wholly owned subsidiary of CRISIL Limited.

CRISIL Ratings uses the prefix 'PP-MLD' for the ratings of principal-protected market-linked debentures (PPMLD) with effect from November 1, 2011, to comply with the SEBI circular, "Guidelines for Issue and Listing of Structured Products/Market Linked Debentures". The revision in rating symbols for PPMLDs should not be construed as a change in the rating of the subject instrument. For details on CRISIL Ratings' use of 'PP-MLD' please refer to the notes to Rating scale for Debt Instruments and Structured Finance Instruments at the following link: https://www.crisil.com/en/home/our-businesses/ratings/credit-ratings-scale.html