RATING RATIONALE

14 August 2026

RAPHE MPHIBR PRIVATE LIMITED

Brickwork Ratings has assigned a rating of BWR BBB with a Stable Outlook as an ISSUER RATING (also referred to as 'Corporate Credit Rating') to Raphe MPhibr Private Limited

Particulars

Instruments	Rating*	Rating Action	Regulator
Issuer Ratings# (Corporate Credit Rating)	**BWR BBB/Stable**	**Assignment**	**-**

*Please refer to BWR website **www.brickworkratings.com/** for definition of the ratings

There is no instrument being rated and hence, Regulator of the Instrument is not applicable. The rating scale and definitions are being followed as stipulated in SEBI Master Circular for CRAs.

*"**NOTE ON RATING:** Please note that Brickwork Ratings (BWR) has rated an **Issuer Rating** as well as a rating on bank loan facilities of **Raphe Mphibr Private Limited ('Issuer')**. To avoid any ambiguity, it may be noted that this document pertains **exclusively to an Issuer Rating or Corporate Credit Rating**. The existing BWR ratings on the company's bank loan facilities—as published in the BWR rationale dated **July 30, 2026 (available @ www.brickworkratings.com)** —remain valid, and there is no change in their status. This document should be considered solely as an indication of the Issuer Rating or Corporate Credit Ratings to **Raphe mPhibr Private Limited ('Issuer')**."*

COMPANY's / FIRM's PROFILE:
Incorporated on 21 July, 2017, Raphe MPhibr Private Limited (RMPL) is a high-tech aerospace and deep-tech manufacturing company based in Noida, Uttar Pradesh. The company was founded by three technocrats, Mr. Vikash Mishra, Mr. Vivek Mishra, and Mr. Nitin Katiyar. The company specializes in end-to-end indigenous design and production of customized Unmanned Aerial Vehicles (UAVs), structural carbon fiber composites, custom electronics, and propulsion mechanics. Operating as a vertically integrated manufacturer, RMPL has successfully endeavored to indigenously manufacture 85% of aircraft in-house. The company develops its key hardware and software components internally to serve military defense, commercial, and logistics requirements.

INDUSTRY CLASSIFICATION:

Macro Economic indicator	***Sector***	***Industry***	***Basic Industry***
Industrials	Capital Goods	Aerospace & Defence	Aerospace & Defence

KEY FINANCIAL INDICATORS

Key Financial Indicators	Units	FY 2024	FY 2025	FY 2026
Result Type		**Audited-Annual**	**Audited-Annual**	**Unaudited / Provisional-Annual**
Operating Revenue	Rs. Crs.	83.50	260.60	341.67
EBITDA	Rs. Crs.	18.16	32.16	89.56
PAT	Rs. Crs.	8.95	6.50	38.76
Tangible Net Worth	Rs. Crs.	343.41	805.76	1329.52
Total Debt/Tangible Net Worth	Times	0.30	0.43	0.43
Current Ratio	Times	3.08	2.57	2.50

RATING ACTION / OUTLOOK

Brickwork Ratings has assigned a rating of BWR BBB with a Stable Outlook as an Issuer Rating/Corporate Rating to Raphe Mphibr Pvt Ltd.

The ratings assigned to the 'Issuer- Raphe Mphibr Pvt Ltd (RMPL)' factor in strength from the experienced and professionally qualified management team with the company's domain expertise in the niche segment of manufacturing and designing of unmanned aerial vehicle (UAV) systems. The ratings also take comfort from a robust order book position providing near-term revenue visibility, proven resource-raising capability with funds successfully raised during FY25 (refers to the period April 01 to March 31) and FY26, leading to a healthy financial risk profile and a favourable outlook for drone manufacturing companies. The ratings are, however, constrained by the working capital-intensive nature of operations, risk of technology obsolescence, tender-based operations, and foreign exchange fluctuation risk.

KEY RATING DRIVERS

KEY STRENGTHS-:

- **Experienced & professionally qualified management:** The company has an experienced and qualified management team of professionals and technical staff. Mr. Vikash Mishra, founder & chairman of the company, is a graduate from the Massachusetts Institute of Technology (MIT) and looks after the Department of Mechanical and Aerospace. Mr Vivek Mishra, CEO & founder, holds a PhD from Georgia Tech and looks after the Electrical, Electronics, and Controls department. Mr Nitin Katiyar, MD and founder, is a graduate from MN National Inst of Technology and looks after the Software department. The promoters are highly qualified technocrats who have been involved in developing patents in carbon fibre composites, prepeg technology, expertise in system identification, robotics, and Artificial Intelligence(AI). Apart from this, the company has a strong team of 700+ researchers, engineers, and technicians, working towards a common goal of Make-in-India.

- **Healthy Financial Risk Profile:** The company reported substantial growth in its scale of operations from Rs.83.50crores in FY24 to Rs.260crores in FY25 (refers to the period from April 01, 2024, to March 31, 2025) and Rs.341.67crores in FY26 (provisional) derived from successful execution of orders in hand. The company's profitability margins continued to remain healthy as reflected by PBILDT and PAT margins of 26.21% (PY: 12.34%) and 11.34% (PY: 2.49%) in FY26 (prov), respectively. The debt protection metrics of the company stood healthy at 0.43x as on 31 March 2026 (PY: 43x) on account of a substantial increase in net worth base. The ISCR and DSCR of the company also stood comfortable at 3.24x and 2.85x as on 31 March 2026 (PY: 2.87x and 2.17x).

- **Robust order book ensuring high medium-term revenue Visibility:** The company has a robust order book of over Rs. 6,124 crores from the Indian Army, RCI-DRDO, IDEX, Bharat Dynamics Limited, Indian Navy to be executed over the medium term. The order book is about 17 times its Fiscal year 2026 sales and provides revenue visibility over the medium term. Sustenance of an adequate order book with continuous receipt of new orders will remain monitorable.

- **Proven capital-raising capability:** RMPL demonstrates strong financial backing and an exceptional ability to secure capital from leading private equity (PE) investors, viz, Silicon Valley-based venture capital firm General Catalyst (GC), Think Investments, Mr Amal N. Parikh & family, RK Dhamani & Family, etc since inception in multiple rounds. Over the last two years, the company has successfully raised more than Rs.966crore entirely via equity and Series B Compulsory Convertible Preference Shares (CCPS). During FY25, the company raised Rs.120 crore via equity and Rs.850crore ($100million) via CCPS, pushing its post-money valuation to Rs.7,650crores. These funds have been primarily allocated towards capital expenditures, research, expanding aircraft design, engineering, R&D capabilities, and scaling local manufacturing facilities in Noida.

- **Strong Policy Tailwinds & Sectoral Thrust in Defense Tech:** The company benefits directly from the Indian government's policy push toward creating a self-reliant domestic drone manufacturing ecosystem. Liberalized UAV regulations and localized defense procurement mandates position Raphe favorably to capture significant market share as public and private drone spending expands.

KEY WEAKNESSES-:

- **Working capital-intensive nature of operations:** The company's operating cycle elongated to 527 days in FY26 (PY: 205 days), majorly driven by elongated inventory days of 537 days in FY26 (PY: 319 days). The extended inventory days are due to orders that require 1-2 years for design before the final product delivery and the significant time needed for pre-delivery inspections (PDI). Considering advance procurement of inventory to execute orders, inventory levels are expected to remain high in the near to medium term.

- **Tender-based operations:** RMPL's performance is constrained by its tender-based operational model, where revenue generation depends entirely on successfully winning competitive bids and timely execution of projects within the scheduled time. Consequently, revenue realisations depend on government budget allocations, defense policy priorities, and strict tendering cycles. Also, project timelines can experience volatility or delays due to prolonged evaluation, customization, or field-testing phases required by defense procurement protocols. Thus, the lack of recurring contract revenue creates inherent volatility in both operational scale and profitability margins.

- **Risk of technology obsolescence:** RMPL operates in the aerospace defense-tech sector, which is characterized by rapid technological advancement, evolving customer specifications, and continuous R&D requirements. RMPL's long-term operational sustainability depends heavily on its ability to continuously upgrade its technology and adapt products to meet the strict and changing tactical demands of military and defense clients. Failure to keep pace with global technological shifts could render existing product platforms obsolete.

- **Foreign exchange fluctuation risk :** RMPL relies on key international suppliers across the UK, Germany, Switzerland, and France for specialized raw materials, including carbon fiber, high-performance motors, battery cells, and optical lenses. Because procurement expenses are denominated in foreign currencies while revenues are realized in Indian Rupees (INR), the company faces exposure to currency volatility. As raw materials are largely unhedged, currency fluctuations can impact short-term profit margins, though active monitoring helps mitigate potential downside risks.

RATING SENSITIVITIES

Going forward, the company's ability to manage working capital efficiently, improve the scale of operations, and profitability, along with the debt servicing capability and liquidity, will be key rating sensitivities.

Positive factors

- Timely execution of order book leading to sustained growth in revenues as per the projections, along with consistent improvement in profitability margins, maintaining capital structure at the present levels.
- Substantial improvement in order book providing revenue visibility over the medium term.

Negative factors

- Lower than envisaged revenue booking of below Rs.300crores along with operating margins below 18%, leading to lower net cash accruals.
- Any higher-than-envisaged debt-funded capital expenditure impacting the overall financial risk profile.
- Significant increase in working capital requirement and resultant weakening of liquidity position.

Environmental, social or Governance Risks:

BWR believes that the ESG profile of Raphe mPhibr Private Limited supports its credit risk profile.

Environmental: The company strictly adheres to green building principles and energy-optimized practices at advanced design and assembly facilities. The company has high-tech processes for carbon composites and additive manufacturing that limit waste generation and resource depletion.
Social: The company is strictly adhering to labour standards, fair wages, and enforces stringent on-site safety protocols to protect its workforce.
Governance: The entity has transparent bidding processes, ethical anti-corruption policies, business practices, and robust compliance systems, supported by readily available disclosures on board structure, audit mechanisms, and risk-management practices.

ANALYTICAL APPROACH: Standalone

For arriving at the rating, BWR has considered the standalone approach. BWR has considered the audited balance sheet for FY24, FY25, and CA-certified provisional balance sheets for FY26, along with other information and documents provided by the company.

APPLICABLE RATING CRITERIA
BWR has applied its rating methodology as detailed in the Rating Criteria, as detailed below.

LIQUIDITY INDICATORS
The liquidity position of RMPL is supported by way of continued fund infusions from private equity (PE) investors, moderate working capital utilization, and strong cash generation relative to debt repayments, though tempered by massive upcoming capital expenditure plans. The company is expected to generate sufficient cash accruals during the current fiscal year, which comfortably covers the scheduled principal debt repayments due over the near-to-medium term. The company maintains an adequate unencumbered cash and bank balance alongside unutilised working-capital bank lines, providing a cushion against temporary cash-flow mismatches.

NON-COOPERATION WITH PREVIOUS CREDIT RATING AGENCY (IF ANY):
Not Available

RATING HISTORY FOR THE PREVIOUS THREE YEARS [including withdrawal & suspended]

S.No.	Facilities	Current Rating (2026)			2026	2025	2024
	Type	Type	Amount Outstanding (Rs.Crs)	Rating			
1.	Issuer Rating	LT	-	BWR BBB/Stable Assignment	Nil	Nil	Nil
2	BLR-FB/NFB	LT/ST	1220.94crs		BWR BBB/Stable and BWR A3 (Assignment)	Nil	Nil

Hyperlink/Reference to applicable Criteria:

- General Criteria
- Manufacturing Companies

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BRICKWORK RATINGS

ANNEXURE I

List of entities consolidated

Name of Entity	% ownership	Extent of consolidation	Rationale for consolidation
Nil	Nil	Nil	Nil

NOTE:

1. **Issuer Rating is an opinion on the general creditworthiness of the rated entity and is not specific to any debt instrument. It cannot be used by the entity for raising funds through debt instruments, unless an instrument-specific rating is also obtained. Issuer Rating is different from an instrument rating, which evaluates credit risk associated with a specific borrowing programme/debt security.**
2. **Issuer rating is not a recommendation to buy, sell or hold securities and does not comment on market price or suitability for a particular investor.**
3. **Issuer rating does not assure repayment of debt / financial obligations. It is an opinion based on information available and does not guarantee performance.**
4. **The rating is based on information provided by the issuer and other sources believed to be reliable. However, CRA does not guarantee the completeness or accuracy of such information.**
5. **The Issuer Ratings are subject to surveillance and may be revised, suspended, or withdrawn at any time, based on changes in circumstances or information.**

Annexure IV
List of instruments and names of regulators of the instruments

A.	Rating activities	
Sr. No.	Instrument/activity Name	Regulator of the instruments
1	Listed/Proposed to be listed bonds/debentures/preference share (all securities)	SEBI
2	Unlisted/Proposed to be unlisted Bonds/Debentures/ Preference share (all securities)	MCA
3	Listed PTCs / Securitisation Notes (originated by entities regulated by RBI)* $	RBI
4	Listed PTCs / Securitisation Notes (originated by entities not regulated by RBI)*	SEBI
5	Unlisted PTCs / Securitisation Notes (originated by entities regulated by RBI)*	RBI
6	Listed Commercial Paper and NCDs with original maturity less than 1 year	RBI
7	Unlisted Commercial Paper and NCDs with original maturity less than 1 year	RBI
8	Loan Facilities (Fund/Non-Fund Based) from Bank/NBFCs/NHB/FIs ^	RBI
9	External Commercial Borrowings and other similar borrowings	RBI
10	Certificates of Deposit	RBI
11	Fixed Deposits raised by NBFCs,HFCs, FIs	RBI
12	Fixed Deposits raised by corporates other than NBFCs, Banks, HFCs, FIs	MCA
13	Inter Corporate Deposits/Loans extended by Corporates	MCA
14	Borrowing programme ~	-

15	Issuer Ratings #	-
16	Credit Ratings for Capital Protection Oriented Schemes (by Mutual Funds and AIFs)	SEBI
17	Credit quality ratings (CQRs) for Mutual Fund Schemes and Schemes of AIFs	SEBI
18	Listed Security Receipts $	RBI
19	Unlisted Security Receipts	RBI
20	Independent Credit Evaluation (ICE)	RBI
21	Expected Loss Ratings (Listed/Proposed to be listed bonds/debentures/preference share (all securities))	SEBI
22	Expected Loss Ratings (Unlisted/Proposed to be unlisted Bonds/Debentures/ Preference share (all securities))	MCA
23	Unlisted PTCs / Securitisation Notes (originated by entities not regulated by RBI) *	Investor-side regulator such as IRDAI, PFRDA @

*** Includes securitisation transactions involving assignee payout, acquirer's payout.**

~ The rated instrument may involve issuance of different instruments such as debt securities (listed or otherwise), bank loans, commercial paper (listed or otherwise), etc. The regulator of the instrument may accordingly be SEBI, RBI or MCA and can only be determined upon issuance. In PRs subsequent to issuance(s), Brickwork Ratings India Private Limited shall separately capture the rated quantum details along with names of respective regulators.

^ Includes bank facilities such as liquidity facility, second loss facility that are part of securitisation transactions.

 # There is no instrument being rated and hence, Regulator of the Instrument is not applicable. The rating scale and definitions are being followed as stipulated in SEBI Master Circular for CRAs.

@ These ratings were assigned during regulatory regime prior to introduction of SEBI CRA Circular dated Feb 10, 2026 and the investor side regulators have accordingly been included.

$ By virtue of the instrument being listed, SEBI acts as the regulator for listing and related issues.

Note: Kindly note that for activities or instruments falling under the purview of FSRs other than SEBI, the grievance/dispute redressal mechanisms and investor protection mechanisms provided by SEBI shall not be available.

B	Other Activities	Regulator of the Instruments
1	Monitoring Agencies	SEBI
2	Research activities incidental to rating such as research for Economy, Industries and Companies *	NA

***permitted by SEBI vide SEBI Master Circular for CRAs**

Grievance Management: For any grievances relating to rating of instruments regulated by SEBI, please contact **sebigrievance@brickworkratings.com**. Kindly note that for activities or instruments falling under the purview of FSRs other than SEBI, the grievance/dispute redressal mechanisms and investor protection mechanisms provided by SEBI shall not be available

For any grievances relating to rating of instruments regulated by other FSR (Financial Sector Regulators), please contact **grievance@brickworkratings.com**.

DISCLOSURE ON CONFLICT OF INTEREST

BWR Board of Directors have no influence over rating decisions, nor do they sit on the rating committee or review, discuss or evaluate any credit rating during the Board meetings.

About Brickwork Ratings

Brickwork Ratings (BWR), a Securities and Exchange Board of India [SEBI] registered Credit Rating Agency and accredited by Reserve Bank of India [RBI]. BWR is the 5th agency to get a credit rating registration in India in 2009 and its corporate office in Bengaluru. It has a country-wide presence with representatives in 150+ locations. Canara Bank is Brickwork's strategic partner.

Brickwork offers credit ratings of Bank Loan, Non- convertible/convertible / partially convertible debentures and other capital market instruments and bonds, Commercial Paper, perpetual bonds, asset-backed and mortgage-backed securities, partial guarantees and other structured / credit enhanced debt instruments, Security Receipts, Securitisation Products, Municipal Bonds, etc. BWR has also rated NGOs, Educational Institutions, Hospitals, Urban Local Bodies and Municipal Corporations.

Disclaimer

Nature of Ratings & Information: BWR ratings are opinions on the relative ability of an entity/instrument to meet its financial obligations and are based on information obtained from issuers and other sources believed to be reliable. BWR does not conduct audits, due diligence, or independent verification of such information and does not guarantee its accuracy, adequacy, or completeness. Ratings are current only as of the date of publication and may be revised based on new or unavailable information.

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