

July 29, 2022

## Smartchem Technologies Limited: Long-term rating upgraded to [ICRA]AA-(Stable) and short-term rating reaffirmed at [ICRA]A1+; rated amount enhanced

### Summary of rating action

Instrument*	Previous Rated Amount (Rs. crore)	Current Rated Amount (Rs. crore)	Rating Action
Long-Term – Fund Based Term Loan	699.00	859.00	[ICRA]AA-(Stable); upgraded from [ICRA]A+(Stable) and assigned
Long-Term – Fund Based Cash Credit	899.30	700.00	[ICRA]AA-(Stable); upgraded from [ICRA]A+(Stable)
Long-Term – Fund Based Unallocated	-	1,541.00	[ICRA]AA-(Stable); assigned
Short-Term – Non-Fund Based Limits	1,600.00	2,800.00	[ICRA]A1+; reaffirmed and assigned
<b>Total</b>	<b>3,198.3</b>	<b>5,900.00</b>	

\*Instrument details are provided in Annexure-1

### Rationale

While arriving at the ratings, ICRA has taken a consolidated view of Deepak Fertilisers and Petrochemicals Corporation Limited (DFPCL) and its subsidiary Smartchem Technologies Limited (STL) due to their managerial, operational and financial linkages, collectively referred to as the group/consolidated entity.

The rating upgrade factors in the substantial growth in cash accruals in FY2021 and FY2022, supported by improved margin in the chemical segment on the back of a favourable product-raw material price spread and the increase in value-added products. ICRA also takes note of the moderation in working capital intensity in recent years, leading to lower working capital debt utilisation. ICRA also draws comfort from the healthy progress on the ammonia project being implemented under Performance Chemiserve Limited (PCL), a subsidiary of STL, which is now expected to be completed by Q1 FY2024. The timely completion and stabilisation of the project without any major cost overrun will be a key monitorable.

The healthy product-raw material spread and consequently the high margins are expected to be sustained in the near term, which coupled with no upward revision in the ammonia project cost and staggering of the TAN capacity expansion project, will result in better-than-expected credit metrics in the medium term. Going forward, the growth in sales volumes is expected to be supported by improving utilisation levels, capacity expansion and backward integration to drive long-term growth.

The ratings also continue to take into account the company's diversified product portfolio comprising fertilisers and industrial chemicals, and its strong market position in the industrial chemicals business, especially in ammonium nitrate (TAN), nitric acid and iso propyl alcohol (IPA). The ratings also factor in the DFPCL's high financial flexibility.

The ratings are, however, constrained by the agro-climatic and regulatory risks in the fertiliser business and the vulnerability of the chemical division's profitability to the inherent price cyclicity. Further, the company's profitability remains sensitive to any large fluctuation in spot/term R-LNG prices. For its ammonia project, DFPCL's ability to tie up its gas requirements and achieve the desired parameters, post-commissioning, would be important.

Further, ICRA also notes that STL has received assessment and demand orders for the block period (Assessment Year 2013-2014 to Assessment Year 2019-2020) pursuant to Search Operation conducted by the Income Tax Department in November 2018, resulting into demand of Rs. 569 crores (including interest). ICRA will continue to monitor the development on this front.

The Stable outlook takes into account the company's established position in both the chemical and the fertiliser segments and ICRA's expectation that the company's credit profile will benefit in the medium term from the favourable demand, shift in product mix towards more value-added products and savings from backward integration from the ammonia project.

## Key rating drivers and their description

### Credit strengths

**Strong market position in domestic industrial chemicals business** – DFPCL has a strong market position in the existing chemical businesses of TAN, nitric acids and IPA. It is one of the leading players of TAN in the domestic market, supported by the superior product quality of low density AN (LDAN), which commands a premium over AN-melt manufactured by domestic players and imported fertiliser grade AN. The company is among the only two producers of IPA in the domestic market. DFPCL is also the leading manufacturer of concentrated nitric acid (CNA) in the domestic market. It is also expanding its capacities in TAN, which would allow it to maintain its dominant position over a longer term.

**Diversified portfolio with shift towards value-added products** - DFPCL has a broad-based product mix, derived from two streams using natural gas or ammonia as the primary feedstock. The company's ability to suitably modify its product mix in response to the changes in market conditions partially mitigates the risks associated with cyclicalities. The company has also been increasing value-added products in the chemical and fertiliser segments and the trend is expected to continue in the near to medium term.

**Favourable demand prospects** - The domestic demand outlook for the company's key products such as TAN, IPA, nitric acid remains healthy. The demand for TAN will be driven by demand from the coal mining and infrastructure sectors, while demand for nitric acid would be supported by planned capacity addition in the downstream segments. The IPA market is expected to maintain a healthy growth, led by the growing end-user industry, namely the pharma sector, apart from dyes and paints. The demand for the fertiliser segment is also expected to remain healthy.

**Healthy financial flexibility** - The Group has a healthy financial flexibility, reflected in its fund-raising and refinancing ability. In the past, it had raised funds through rights issues and from multilateral agencies. Further, in FY2022, DFPCL had raised ~Rs. 510 crore through QIP<sup>1</sup>, which was subscribed by marquee domestic and international financial institutional investors.

### Credit challenges

**Profitability vulnerable to cyclicalities in input prices** - The company's profitability remains exposed to the cyclicalities in input prices and the ability to pass on the same to the customers. Further, any availability issues of key raw materials also have an adverse impact. However, the risk has been partly mitigated by supplier diversification. Going forward, with the increasing backward integration, the availability risk will be mitigated further.

**Exposure to regulatory risks** - The company's fertiliser business is exposed to agro-climatic risk and operates in a regulated environment. The selling prices of its products remain dependent on the subsidy allocated by the GoI to the various nutrients. DFPCL, thus remains exposed to any sharp variation in the subsidy amount and delays in receipt of the same, apart from any other regulatory intervention on the product prices. ICRA also notes the regulatory overhang with regard to additional claims by GAIL towards domestic gas supply. The matter is sub-judice.

**Large debt-funded capex** - The Group is setting up an ammonia manufacturing facility of 1,500 MTPD (~510,000 MTPA) at Taloja, Maharashtra, close to the existing facilities of DFPCL. While the project had witnessed time overrun (from Q4FY2022 to Q1FY2024) and cost overrun (from Rs 2,920 crore to Rs 4,350 crore), due to delays in land acquisition, pandemic related issues and some changes in project specifications. The cost escalations have been mainly due to increase in IDC component, EPC costs and some impact of rupee depreciation. However, in last one year there has been healthy project progress with no additional escalation in costs.

Till June 2022, the company has achieved healthy overall project progress and the Group has incurred a total cost of around ~Rs. 2,500 crore for the project till March 31, 2022. The balance capex of around Rs. 1,850 crore will be incurred up to Q1 FY2024. The project is expected to commence operations from May 2023. Due to the healthy cash accruals in FY2021 and

<sup>1</sup> Qualified Institutional Placement

FY2022 and the fund raised through QIP, the project is now expected to be funded in a debt-to-equity ratio of ~50:50 compared to 61:39 expected earlier.

Further, a major portion of the capex related to the TAN project is expected to be incurred only after the ammonia project has begun operations. Due to these factors, the credit metrics are expected to be better in the medium term than the earlier expectations. ICRA expects the offtake risks for these projects to be limited, though the timely execution of the projects as well as a ramp-up of the operations within the revised timeline and cost budget would remain a key sensitivity.

### Liquidity position: Adequate

At a consolidated level, the company's liquidity position remains adequate, led by healthy accrual generation, decline in net working capital intensity and healthy financial flexibility. The company has witnessed a healthy increase in cash flow from operations in the last two years (~Rs. 1157 crore in FY2022 and ~Rs. 990 crore in FY2021 compared to ~Rs. 515 crore in FY2020) and is expected to be healthy in the current fiscal. The company has a comfortable cushion available in the form of unutilised working capital limits with minimal working capital utilisation levels in the 12-month period ended March 31, 2022.

Further, DFPC (consolidated) had a healthy free cash balance (including investment) of ~Rs. 1,000 crore as on March 31, 2022. It is expected to incur a capex of around ~Rs. 2,000 crore in FY2023 and ~Rs. 1,200 crore in FY2024 for the ammonia and TAN projects including regular maintenance, which would be funded through a mix of debt and internal accruals. However, due to the long repayment tenure of the term loans, the annual debt repayments are likely to remain modest at around ~Rs. 270 crore in FY2023 and ~Rs. 240 crore in FY2024. The company has a healthy financial flexibility allowing it to raise funds from the debt and equity markets, as demonstrated in the past.

### Rating sensitivities

**Positive factors** – A healthy improvement in cash accruals on a sustained basis, aided by the timely completion of new projects, leading to improvement in the credit metrics could lead to a rating upgrade. A specific credit metric that could lead to an upgrade is a net debt/EBITDA of less than 1x on a sustained basis.

**Negative factors** – Decline in profitability or a stretch in working capital position of existing operations or any further time and cost overruns in capex projects, leading to a deterioration of the debt metrics on a sustained basis could lead to a rating downgrade.

### Analytical approach

Analytical Approach	Comments
Applicable rating methodologies	<a href="#">Rating Methodology for Entities in the Fertiliser Industry</a> <a href="#">Rating Methodology for Entities in the Chemical Industry</a> <a href="#">Corporate Credit Rating Methodology</a>
Parent/Group support	Not Applicable
Consolidation/Standalone	For arriving at the ratings, ICRA has combined the business and financial risk profiles of Deepak Fertilisers & Petrochemicals Corporation Limited with its subsidiary, Smartchem Technologies Limited as the latter is an integral part of DFPC's operations. For arriving at the ratings, ICRA has considered the consolidated financials of Deepak Fertilisers & Petrochemicals Corporation Limited. As on March 31, 2022, the company had five subsidiaries, two step-down subsidiaries and 1 JV, that are enlisted in Annexure-2

## About the company

Smartchem Technologies Limited (STL) is a wholly-owned subsidiary of Deepak Fertilisers and Petrochemicals Corporation Limited (DFPCL). STL is engaged in the manufacturing of TAN and fertilisers which include ANP, bentonite sulphur and NPK. Its manufacturing facilities are at Taloja, Srikakulam and Panipat. In FY2018, DFPCL demerged its fertiliser and TAN businesses into STL with effect from January 1, 2015. STL further owns ~92% equity in a subsidiary company, Performance Chemiserve Limited (PCL). The announced capex for the 0.5-million-MT ammonia plant is under implementation in PCL.

### Key financial indicators (audited)

STL – Standalone	FY2021	FY2022
Operating income (Rs. crore)	3,908.3	5,544.8
PAT (Rs. crore)	200.4	444.0
OPBDIT/OI (%)	13.7%	18.4%
PAT/OI (%)	5.1%	8.0%
Total outside liabilities/tangible net worth (times)	0.9	1.0
Total debt/OPBDIT (times)	2.5	1.8
Interest coverage (times)	4.3	7.0

PAT: Profit after Tax; OPBDIT: Operating Profit before Depreciation, Interest, Taxes and Amortisation

## About the parent (DFPCL)

DFPCL was incorporated in 1979 and the group is involved in the manufacturing of nitro-phosphate (NP), nitrogen-phosphorous-potassium (NPK) and bentonite sulphur fertilisers and industrial chemicals such as technical ammonium nitrate (TAN), methanol, nitric acid and iso propyl alcohol (IPA). The manufacturing facilities are located at Taloja, Dahej, Srikakulam and Panipat. It also owns a commercial mall at Pune. DFPCL's promoters (Mr C. K. Mehta and Mr S.C. Mehta) hold a 47.58% stake in the company with the rest being held by public and institutional investors. DFPCL's fertiliser and chemical business verticals have inter-linkages in the form of use of common raw materials and synergies in the manufacturing processes. The capability of the business segments to attract a different set of investors and strategic partners in order to scale up the size and operations is significant and hence, in FY2018, DFPCL demerged its fertiliser and TAN businesses into a wholly-owned subsidiary, Smartchem Technologies Limited (STL), with effect from January 1, 2015.

### Key financial indicators (audited)

DFPCL – Consolidated	FY2021	FY2022
Operating income (Rs. crore)	5808.5	7663.3
PAT (Rs. crore)	406.4	687.5
OPBDIT/OI (%)	16.5%	17.7%
PAT/OI (%)	7.0%	9.0%
Total outside liabilities/tangible net worth (times)	1.5	1.2
Total debt/OPBDIT (times)	2.6	1.9
Interest coverage (times)	5.1	8.8

PAT: Profit after Tax; OPBDIT: Operating Profit before Depreciation, Interest, Taxes and Amortisation

**Status of non-cooperation with previous CRA: Not applicable**

**Any other information: None**

## Rating history for past three years

	Instrument	Current rating (FY2023)				Chronology of rating history for the past 3 years		
		Type	Amount rated (Rs. crore)	Amount outstanding as on Mar 31, 2022 (Rs. crore)	Date & rating on	Date & rating in FY2022	Date & rating in FY2021	Date & rating in FY2020
					July 29, 2022	June 14, 2021	April 14, 2020	-
1	Term Loan	Long-term	859.00	628.03	[ICRA]AA-(Stable)	[ICRA]A+ (Stable)	[ICRA]A+ (Stable)	-
2	Cash Credit	Long-term	700.00	-	[ICRA]AA-(Stable)	[ICRA]A+ (Stable)	[ICRA]A+ (Stable)	-
3	Unallocated Limits	Long-term	1,541.00	-	[ICRA]AA-(Stable)	-	-	-
4	Non-fund Based	Short-term	2,800.00	-	[ICRA]A1+	[ICRA]A1+	[ICRA]A1	-

## Complexity level of the rated instruments

Instrument	Complexity Indicator
Long-term - Fund-based -Term Loan	Simple
Long-Term – Fund Based- Cash Credit	Simple
Long-Term – Fund Based Unallocated	NA
Short-Term – Non-Fund Based Limits	Very Simple

The Complexity Indicator refers to the ease with which the returns associated with the rated instrument could be estimated. It does not indicate the risk related to the timely payments on the instrument, which is rather indicated by the instrument's credit rating. It also does not indicate the complexity associated with analysing an entity's financial, business, industry risks or complexity related to the structural, transactional or legal aspects. Details on the complexity levels of the instruments are available on ICRA's website: [www.icra.in](http://www.icra.in)

## Annexure-1: Instrument details

ISIN No.	Instrument Name	Date of Issuance	Coupon Rate	Maturity	Amount Rated (Rs. Crore)	Current Rating and Outlook
NA	Fund Based: Term Loan I	FY2017	NA	FY2027	120.00	[ICRA]AA-(Stable)
NA	Fund Based: Term Loan II	FY2016	NA	FY2027	29.00	[ICRA]AA-(Stable)
NA	Fund Based: Term Loan III	FY2019	NA	FY2027	260.00	[ICRA]AA-(Stable)
NA	Fund Based: Term Loan IV	FY2022	NA	FY2027	250.00	[ICRA]AA-(Stable)
NA	Proposed term loans	NA	NA	NA	200.00	[ICRA]AA-(Stable)
NA	Fund Based: Cash Credit	NA	NA	NA	700.00	[ICRA]AA-(Stable)
NA	Fund Based Unallocated	NA	NA	NA	1,541.00	[ICRA]AA-(Stable)
NA	Non-Fund Based Limits	NA	NA	NA	2,800.00	[ICRA]A1+

Source: Company

[Please click here to view details of lender-wise facilities rated by ICRA](#)

## Annexure-2: List of entities considered for consolidated analysis

Company Name	Ownership	Consolidation Approach
Smartchem Technologies Limited	100.0%	Full Consolidation
Deepak Nitrochem Pty Limited	100.0%	Full Consolidation
Deepak Mining Services Private Limited (DMSPL)	100.0%	Full Consolidation
SCM Fertichem Limited	100.0%	Full Consolidation
Platinum Blasting Services Pty Limited (PBS) [Subsidiary of STL]	65.0%	Full Consolidation
Australian Explosives Pty Limited (AME) [Subsidiary of PBS]	65.0%	Full Consolidation

Source: Company

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### Branches



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