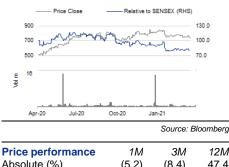


Chemicals | India | April 08, 2021

India

ADD (Initiating coverage)

#### Sell 1 Consensus ratings\*: Buy 13 Hold 2 Current price: Rs744 Rs871 Target price: Previous target: NA 17.1% Up/downside: EIP Research / Consensus: -9.8% CORF.NS Reuters: **CRIN IN** Bloomberg US\$2,928m Market cap: Rs2,18,332m US\$6.4m Average daily turnover: Rs477.7m Current shares o/s: 293.0m Free float: 42.4% \*Source: Bloomberg



Absolute (%)	(5.2)	(8.4)	47.4
Relative (%)	(3.8)	(10.1)	(11.3)
Material and address			0/ hold
Major shareholders			% held
Promoter & Promoter (	Group		57.6
DSP Equity & Bond Fu	und		3.7
Kotak ESG Opportunit	ies Fund		2.8

#### Analyst(s)



Satish KUMAR T (91) 9004603998 E satish.kumar@incredcapital.com Shaily RUPARELIA T 22 4161 1556 E shaily.ruparelia@incredcapital.com

# **Coromandel International Ltd**

### Diversified entity with favourable valuations

- We forecast EPS growth of 10.4% CAGR over FY21-23F, RoE of 23% (FY23F) and balance sheet gearing to fall from 0.36x in FY20 to -0.04x in FY23F.
- We expect crop protection chemicals (CPC) to drive near-term growth. We forecast CPC revenue growth at 15% CAGR over FY21-23F.
- We value CIL at long-term mean valuation of 15.61x FY23F EPS. We initiate coverage with an Add rating and TP of Rs871.

#### A fertiliser major, but CPC to drive future growth

Coromandel International Limited (CIL) is a phosphatic fertiliser, agrochemical (crop protection chemical products or CPC), and plant nutrient manufacturer. We forecast that 70% of its revenue will come from the fertiliser business and 30% from the agrochemicals/ plant nutrient business by FY23F. We forecast 5% growth over FY21-23F in in-house production of phosphatic fertilisers. After dipping (6% decline vis-à-vis FY21F) in FY22F, CIL's EBITDA/t will likely rise to Rs4,500/t in FY23F. CPC segment growth will be driven by Neemzal (Azadirachta Indica) and Malathion. In the government's direct benefit transfer (DBT) scheme, the soil health card is linked to the farmer's Aadhar card (a governmentissued identity card), with which he can buy subsidised fertilisers. If the government starts penalising users for excess urea usage by not giving them the subsidy on more than required consumption (as per the soil health card) and advises (much needed) complex fertiliser usage, then complex fertiliser usage will increase at a higher-than-estimated low single digit (we assume 5% CAGR), which represents an option value not built into our TP.

#### CPC likely to drive growth in coming years

CIL principally manufactures the CPCs - Mancozeb, Malathion, Profenophos, Acephate, Propineb, Phenthoate and Pymetrozine. CIL sells multiple formulations with bought-out chemicals. Historically, Mancozeb has driven 50% of CIL's CPC revenue (Source: CIL's earnings conference call), but going forward Malathion is likely to be the key growth driver. CropLife India has identified Malathion as a key insecticide to deal with desert locust attacks on plants. With changing weather patterns, the chances of locust attacks are increasing, hence, Malathion usage is likely to increase in our view.

#### We value CIL at LT mean P/E of 15.6x; initiate with Add & Rs871 TP

We value CIL at a long-term (LT) mean valuation of 15.61x FY23F EPS to arrive at a TP of Rs871. We forecast 15% revenue growth in the CPC segment and overall revenue growth of 8.3% CAGR over FY21-23F. EPS growth of 10.4% CAGR over FY21-23F, and FY23F RoE of 23% justify this valuation. We forecast debt/equity ratio to reduce to -0.04x in FY23F from 0.36x in FY20. Risks: 1) Our EPS growth assumption depends heavily on Malathion. Malathion is increasingly used to save plants from desert locust attacks. Any change in weather, eliminating the risk of desert locusts, will be negative for Malathion. 2) We have assumed that the phosphatic fertiliser industry would be able to pass on the increased costs in 1QFY22F. Any delay in the same will be negative for our EPS.

Financial Summary	Mar-19A	Mar-20A	Mar-21F	Mar-22F	Mar-23F
Revenue (Rsm)	1,32,246	1,31,367	1,44,909	1,57,108	1,70,114
Operating EBITDA (Rsm)	14,431	17,310	20,273	22,152	23,986
Net Profit (Rsm)	7,200	10,651	12,904	14,890	16,191
Core EPS (Rs)	25.2	36.4	44.0	50.8	55.3
Core EPS Growth	6.1%	44.6%	21.1%	15.4%	8.7%
FD Core P/E (x)	30.23	20.46	16.90	14.64	13.47
DPS (Rs)	6.5	12.0	13.0	14.5	14.5
Dividend Yield	0.87%	1.61%	1.75%	1.95%	1.95%
EV/EBITDA (x)	16.91	13.37	11.16	9.96	8.88
P/FCFE (x)	135.26	77.09	36.78	41.29	20.77
Net Gearing	83.2%	35.8%	19.5%	7.4%	(3.9%)
P/BV (x)	6.48	5.05	4.11	3.44	2.89
ROE	23.5%	27.8%	26.8%	25.6%	23.3%
% Change In Core EPS Estimates					
EIP Research/Consensus EPS (x)			0.92	1.00	0.99

RCES: EIP RESEARCH ESTIMATES, COMPANY REPORTS, PRICED AS AT 07



### Diversified entity with favourable valuations

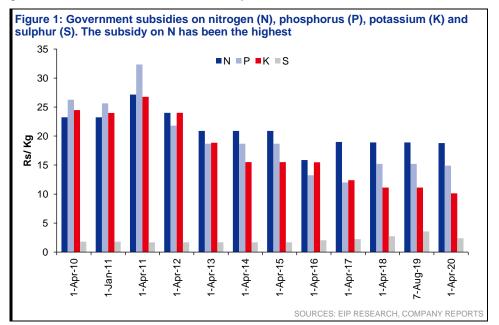
Coromandel International Limited, India's second largest phosphatic fertiliser player, is in the business segments of fertilisers, specialty nutrients, crop protection and retail. The company manufactures a wide range of fertilisers and markets around 4.5mt (Source: Company website), making it a leader in its addressable markets.

Coromandel has also introduced a range of specialty nutrient products, including organic fertilisers. The crop protection business produces insecticides, fungicides and herbicides and markets these products in India and globally. Coromandel is the second largest manufacturer of Malathion in Asia and only the second manufacturer of Phenthoate. Coromandel has also ventured into the retail business, setting up around 800 rural retail centres in the Indian states of Andhra Pradesh, Telangana, Karnataka and Maharashtra.

### **Business analysis: Fertilisers**

#### Urea is the most subsidised fertiliser in India >

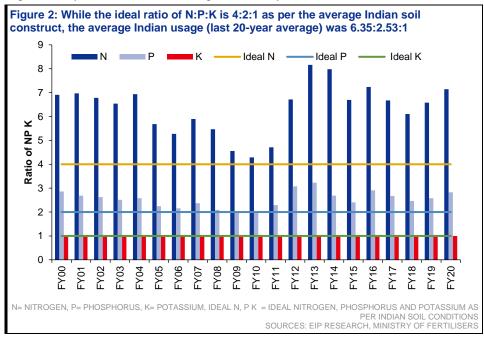
Urea is the primary source of nitrogen for Indian farmers. Over the years the Indian government has subsidised urea heavily.





#### Fertiliser usage in India is skewed towards urea >

High subsidy leads to skewed usage of urea by the Indian farmer.

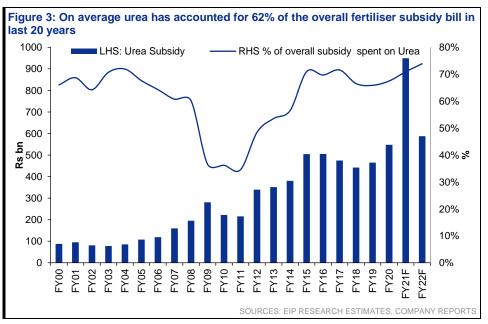


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### Urea is sold on fixed retail price, but other fertilisers have defined subsidies and retail prices are not fixed ➤

Urea is sold at a fixed retail price to Indian farmers. Every company's cost sheet (fixed + variable) is submitted to the government. The government gives every producer 12% margin on this cost. Also, the government gives fixed subsidies on P, K and S fertilisers.

## Fixed retail price has resulted in huge urea subsidies by the Indian government $\blacktriangleright$

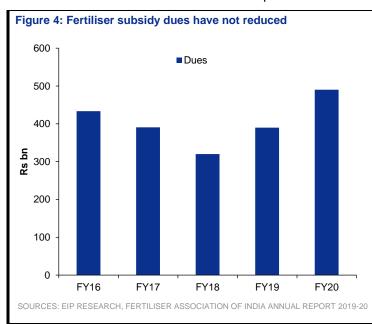


#### Reckless use of fertilisers (by farmers) raises the subsidy bill and often creates huge receivables for fertiliser companies, in our view ➤

With the implementation of the direct benefit transfer (DBT) scheme for the fertiliser sector all over India from Mar 2018, subsidy payments were supposed to



be made on a weekly basis. But, this has not happened due to budget constraints for the government of India. The government said (Source: The Hindu newspaper) it would clear all previous dues before implementing the DBT system's present model to facilitate its smooth functioning. However, this assurance was not fulfilled, again due to budget constraints. The current outstanding dues comprise those under the DBT and those pending from the period preceding the DBT's implementation.



### Figure 5: The table for FY19 shows earlier years' dues plus dues in the DBT

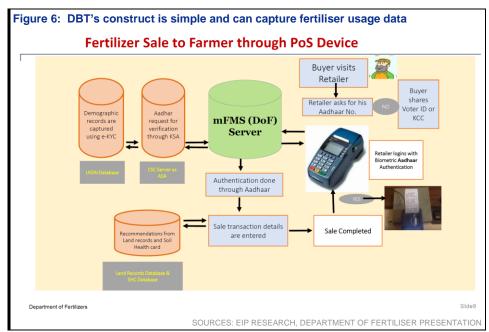
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	Particulars A	mount in Rs bn
(A)	Under DBT System	
i.	Bill generated but not paid	162.43
ii.	Bill could not be generated	37.82
	Sub Total	200.25
(B)	Other than DBT including previous years	
i.	Bill generated but not paid	76.62
ii.	Bill could not be generated	113.66
	Sub Total	190.28
(C)	DBT + Non DBT	
i.	Bill generated but not paid	239.05
ii.	Bill could not be generated	151.48
	Total (A+B)	390.53
	SOURCES: EIP RESEARCH, FERTILISER ASSOCIATION OF INDIA	A ANNUAL REPORT 2019-20

## Soil health card is a welcome step in educating farmers about their fields' nutrient requirements **>**

The Indian government has come up with a soil health card scheme. The soil of every farmer's field is analysed and a health card issued on that basis. This health card is meant to help farmers decide on the nutrient requirements of their fields. The health card helps the farmer decide the N:P:K ratio of the fertiliser needed for his field. However, heeding the advice is not mandatory and often farmers ignore this advice and use excess urea in their fields.

### DBT construct is simple, and mostly seamlessly adopted across India >



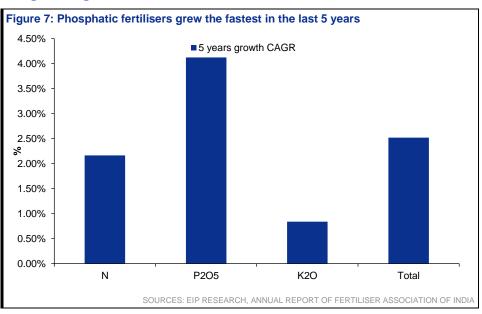


#### DBT will be successful if it uses the soil card and Aadhar data – farmers will be forced to use fertilisers in the right proportions ➤

InCred

At present the Indian government follows a no-restriction-on-purchase policy, but at some point we believe it will have to force farmers to use the right amount of urea for the soil. Overusing urea causes financial burden and loss of productivity.

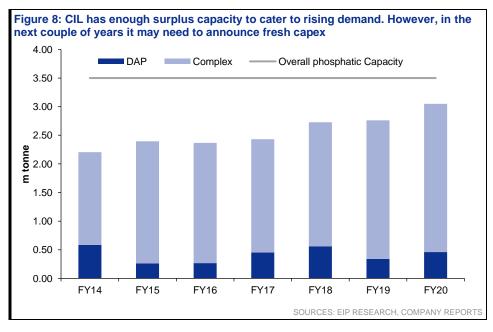
# Phosphatic and potash-based fertilisers (CIL's main products) are growing faster than urea $\blacktriangleright$



#### Coramandel manufactures P, K and S fertilisers >

Coromandel manufactures diammonium phosphate (DAP),  $P_2O_5$  or simply P,  $K_2O$  or K and SSP (single super phosphate or S). Coromandel's overall manufacturing capacity is 4.5mt per annum. The phosphatic and potassium-based fertiliser capacity is 3.5mt, whereas SSP's capacity is 1mt.

## Much of CIL's sales is in phosphatic (DAP or complex) fertilisers ➤





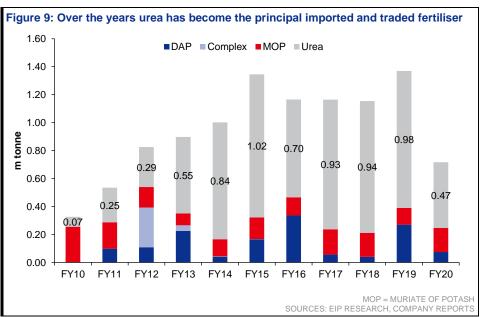
To manufacture phosphatic fertilisers DAP,  $P_2O_5$  and  $K_2O_5$ , the company requires the following raw materials:

InCred

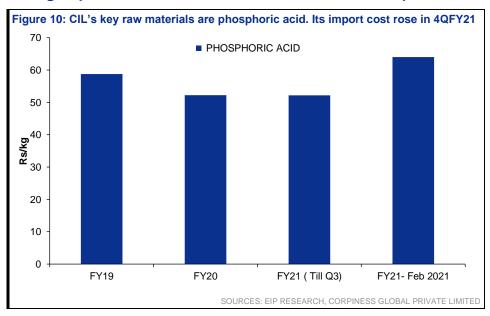
- 1. Phosphoric acid (H<sub>3</sub>PO<sub>4</sub>)
- 2. Rock phosphate
- 3. Frozen Ammonia
- 4. Potash

CIL has 0.4mt of  $H_3PO_4$ -making capacity, whereas the requirement of acid is around 0.85m-0.9mt. CIL also imports rock phosphate or potash as India does not have any significant production capacities for these.

### CIL trades imported urea, DAP, complex fertilisers and MOP ➤



### Rising imported raw material costs could hurt CIL's profits ➤

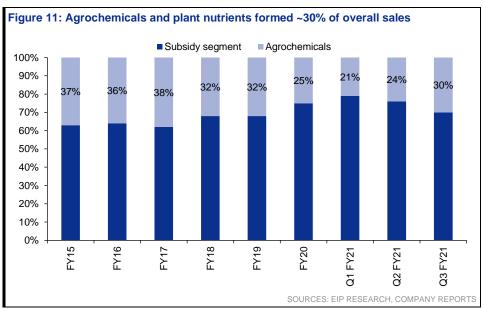




### **Business analysis: Agrochemicals**

# CIL's revenue from agrochemicals and other plant nutrients was ~30% of overall sales till 3QFY21 ➤

InCred



### CIL sells nearly 45 active ingredients in agrochemicals >

Figure 12: CIL's agrochemica	I active ingredients (AAI)	
Fungicides	Herbicides	Insecticides
Propineb	Metsulfuron Methyl	Carbosulfan
Tricyclazole	Chlorimuron Ethyl	Profenofos
Azoxystrobin	Pendimethalin	Cypermethrin
Benomyl	Imazethapyr	Emamectin Benzoate
Metiram	Glyphosate	Bifenthrin
Pyraclostrobin	Metribuzin	Chlorpyriphos
Hexaconazole	Pretilachlor	Malathion
Thiophanate Methyl	Imazamox	Hexythiazox
Chlorothalonil	Clodinafop	Diafenthiuron
Carbendazim	Paraquat	Chlorpyrifos
Mancozeb		Cartap
Dimethomorph		Dichlorvos
Propiconazole		Buprofezin
Carbendazim		Thiomethoxam
		Acephate
		Monocrotophos
		Imidacloprid
		Permethrin
		Phenthoate
		Fipronil
		Acetamiprid
		Chlorpyriphos
		Terbufos
	SOUF	RCES: EIP RESEARCH, COMPANY REPORTS



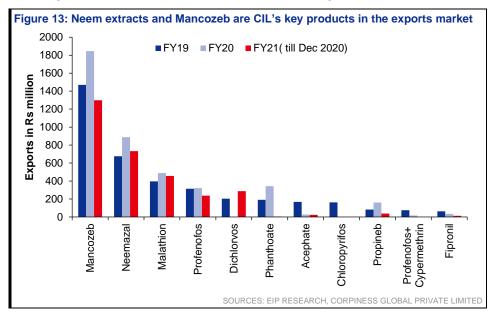
### Mancozeb is CIL's principal chemical >

In its 4QFY18 earnings conference call, the company mentioned that Mancozeb formed about 50% of its agrochemical business in FY18.

## Coromandel also sells plant nutrients, and is a pioneer in using 'neem' (Azadirachta Indica) ➤

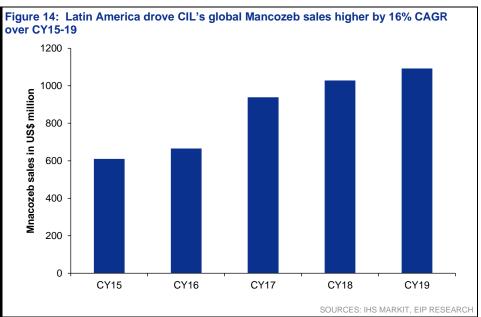
Neem, or Azadirachta Indica and also called Margosa, is a fast-growing tree of the mahogany family (Meliaceae) and is valued as a medicinal plant and as a source of organic pesticides. Indians have used this tree for centuries because of its medicinal properties. Coromandel pioneered the use of neem as a bio pesticide in India.

#### CIL exports neem extracts and Mancozeb products >

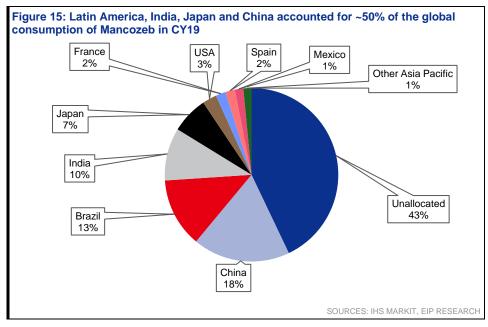




### Mancozeb global sales increased 16% CAGR over CY15-19 ➤



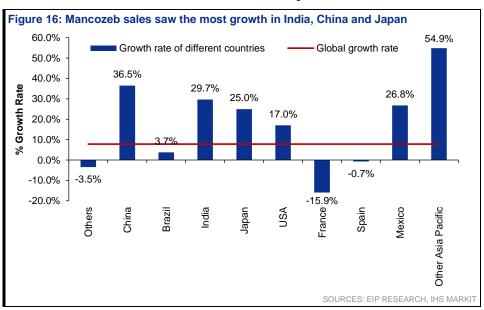
# Latin America, India, Japan and China led Mancozeb consumption (CY19) ➤





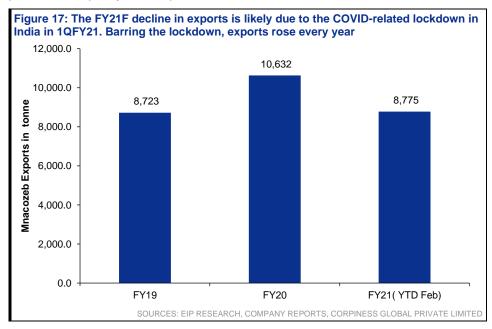
# India, China and Japan were the highest growth regions in value terms for Mancozeb in the last 3 years **>**

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#### CIL's Mancozeb exports are rising >

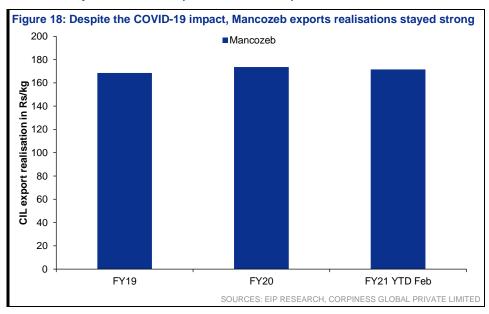
CIL exported about 10.6k tonnes of Mancozeb in the pure form during FY20. Mancozeb formulation exports were over 10.6kt. CIL's overall Mancozeb production capacity is 35kt per annum.





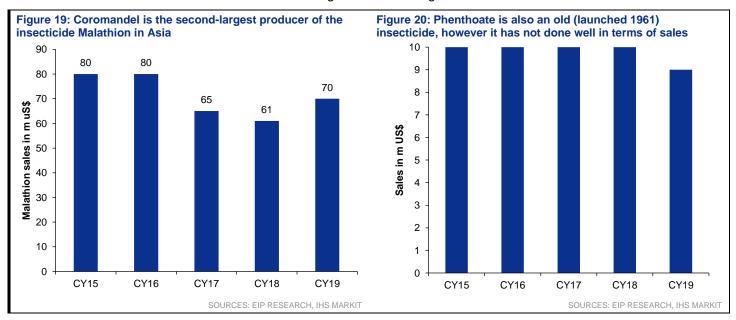
# Mancozeb exports realisations remained firm for CIL, even in COVID-impacted FY21 (YTD Feb 2021) ➤

InCred



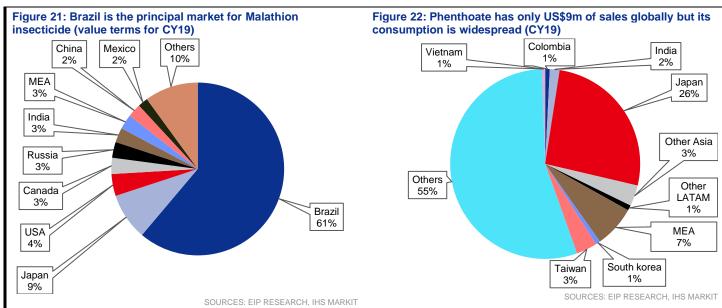
# Malathion and Phenthoate are the other important agrochemicals for CIL $\rightarrow$

- We believe Malathion may have done well in India in 2020 as the government carried out locust control operations in over 275,000ha in nine northern, central and western Indian states since 11 Apr 2020. CropLife India (http://croplifeindia.org/) had suggested the use of Food and Agriculture Organization-recommended pesticides, which include Malathion.
- Both Malathion and Phenthoate are broad-spectrum commodity-grade organophosphorus insecticides.
- Malathion gained US Environmental Protection Agency registration in 2010 as Fyfanon Plus ULV, a mixture with gamma-cyhalothrin, for use on cotton. It is being phased out in New Zealand, but has been approved in Canada subject to effecting certain risk-mitigation measures.





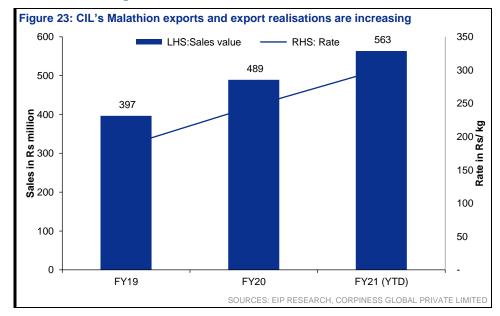
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### Malathion & Phenthoate are important agrochemicals for CIL >

InCred

# CIL is doing well in Malathion exports – realisations and sales value are rising >



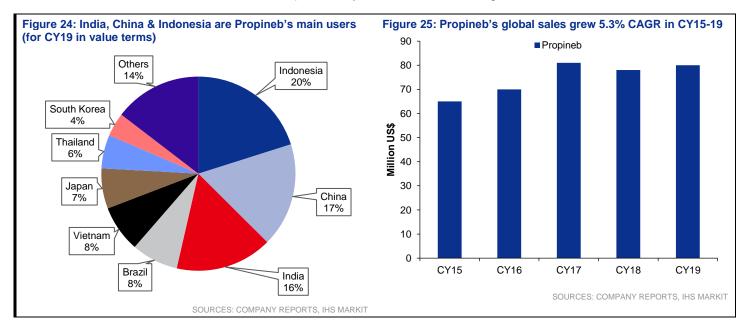
## Malathion is the recommended pesticide to deal with locust attacks – another positive for its consumption >

Global climate change is leading to widespread locust attacks. In 2020, locust swarms that were thought to have originated in Southern Iran due to the Indian Ocean Dipole (a meteorological phenomenon), which caused warmer waters to its west and cooler waters to its east. Scientists expect that rising sea temperatures due to increased greenhouse gas emissions to create more favourable conditions for locust swarms in the coming years. In Mar 2021, India delivered 20,000 litres of the pesticide Malathion to Iran to mount a coordinated regional response to the threat the desert locusts posed. These conditions are favourable for widespread usage of Malathion and positive for CIL.

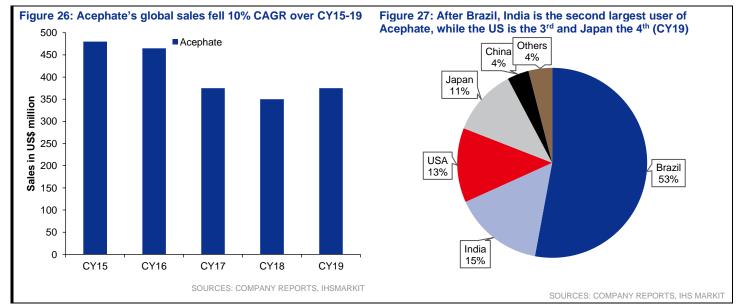


Propineb is mainly used to control downy mildew on vines, scabs on pome fruit and early and late blight on potatoes, as well as other Alternaria and Phytophthora diseases on fruit and vegetables. Bayer is the key manufacturer of this fungicide. In India, apart from Coromandel, Dhanuka Agritech (Reduce, TP Rs689, CMP Rs736) is the key manufacturer of the agrochemical.

InCred



# Coromandel also manufactures acephate, which is quite popular in India and has a decent export market >

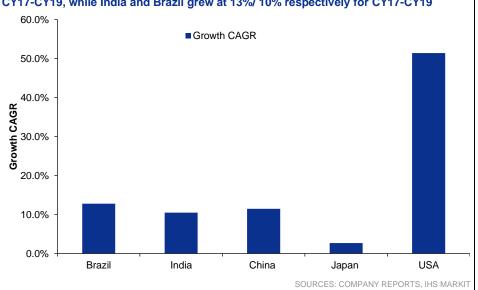




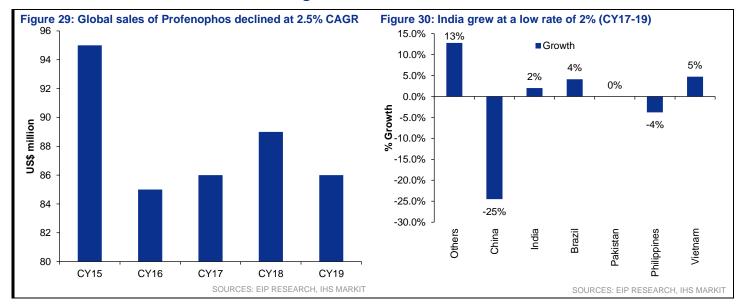
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Figure 28: US sales (in value terms) of Acephate grew at more than 50% CAGR for CY17-CY19, while India and Brazil grew at 13%/ 10% respectively for CY17-CY19

InCred



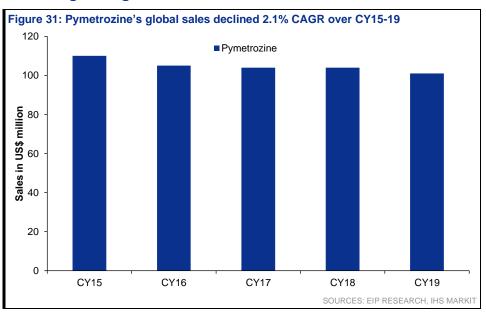
# Profenosphos (Coromandel is a manufacturer) is not doing well in the global or Indian markets ➤



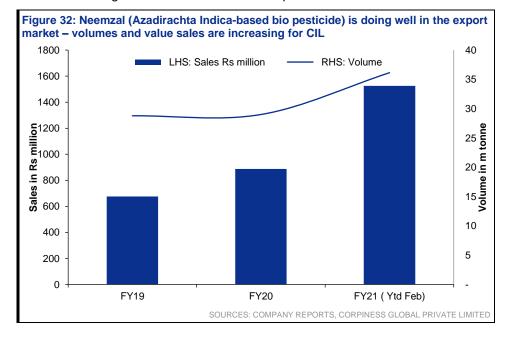


# Pymetrozine, an insecticide manufactured by Coromandel, is also not growing >

InCred



# Bio fertilisers are showing significant growth, particularly Neemzal ➤

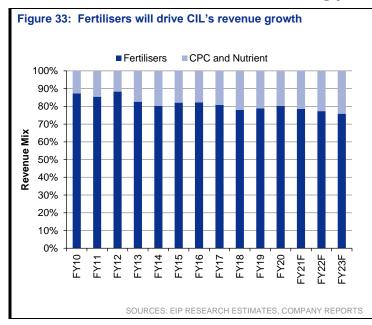


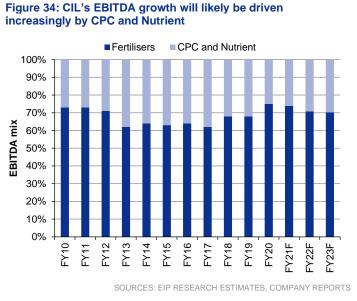
Neemzal is doing well in the domestic and export markets.



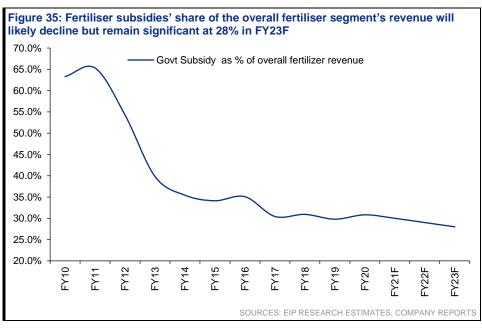
### **Earnings and valuation**

Fertilisers are CIL's main revenue driver, but CPC+Nutrients will increasingly become its main EBITDA driver ➤





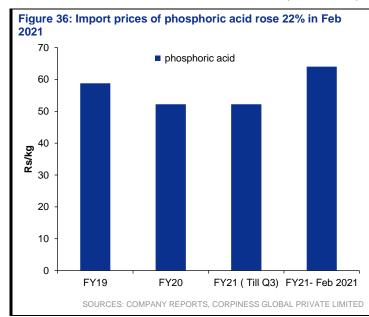
# We expect subsidy as % of overall fertiliser sector revenue to come down over the years ➤





### 4QFY21F could be bad for Coromandel's fertiliser business >

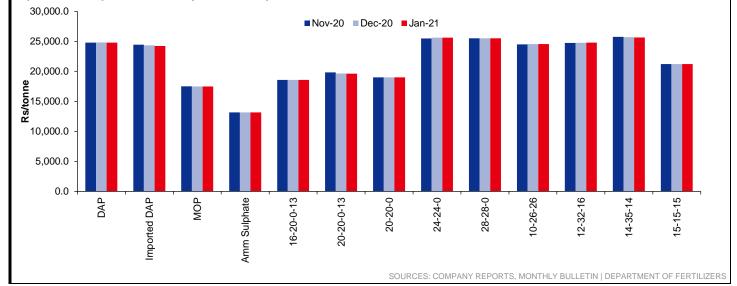
We expect a bleak 4QFY21F for Coromandel as it has not been able to hike fertiliser prices despite the rising cost of ammonia and phosphatic acid. However, we expect CIL to pass through the increased costs from 2QFY22F.





**InCred** 

Figure 38: Base fertiliser prices in India are the same, indicating that Coromandel could face margin pressures in 4QFY21F. We expect fertiliser prices to rise only in the latter part of 1QFY22F

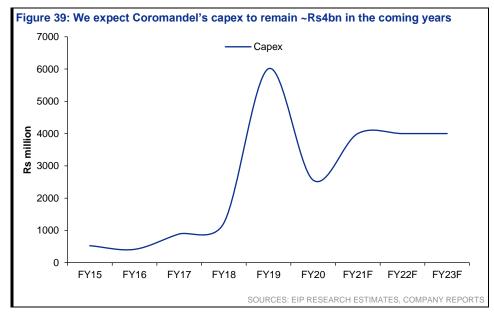




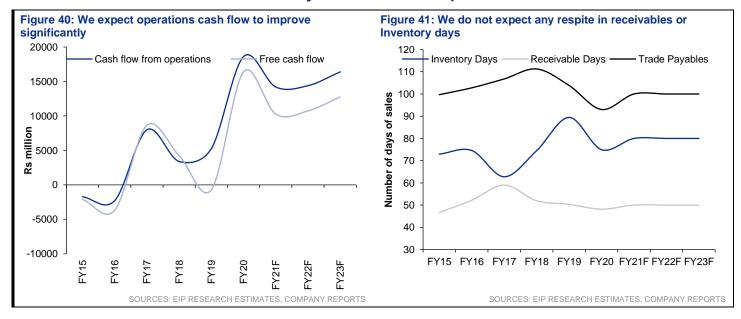
#### Capex to remain moderate >

CIL's FY21F capex target is Rs3.5bn-4bn and going forward we expect its capex to remain in the same range. Apart from regular maintenance capex, the company is engaged in a debottlenecking exercise at Vizag and Kakinada to free up capacity.

InCred



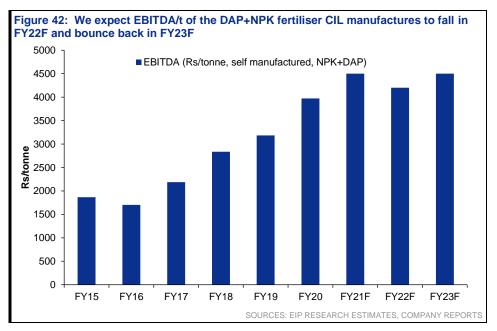
### Working capital will remain elevated as the Indian government subsidy remains a stress point ➤





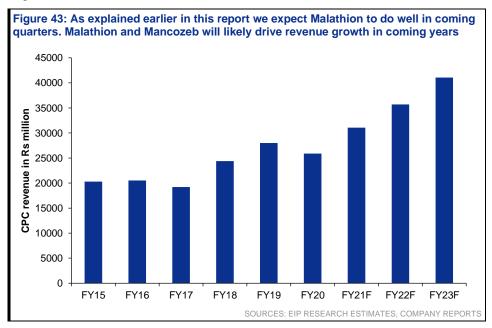
## We expect the EBITDA/t on manufactured fertiliser to trend lower in FY22F and bounce back in FY23F ➤

InCred



### CPC segment is likely to grow at 15% CAGR over FY21-23F ➤

We expect Malathion, Neemzal and Mancozeb to drive growth in the pesticides segment.



### Valuation & recommendation

## We prefer P/E methodology to DCF and EV/EBITDA to value agrochemical companies **>**

We value Coromandel on a P/E basis as we consider it a more appropriate valuation method for agrochemical companies than the DCF or EV/EBITDA. In our view, DCF is not a suitable valuation method because the earnings of chemicals companies are highly cyclical and forecasting long-term earnings reliably is very difficult. We think a balance sheet-based valuation is inappropriate as short-term debt may rise because of inventory cycles or delay in subsidy payments which can distort the balance sheet for a short period (in many cases, for only one quarter).



### We value Coromandel at 15.61x FY23F EPS; with Add rating >

InCred

Figure 44: Stock is trading at a long-term mean P/E. We value it at an 8-year mean



While the stock is currently trading at 15.5x FY22F EPS, we value the company at 15.61x FY23F EPS, which is the long-term mean P/E and arrive at our target price of Rs871. At the CMP, our target price implies downside potential of 16.4% from current levels. We initiate coverage on CIL with an Add rating.

Figure 45: We value the stock at 15.0	61x FY23F EPS to arrive at TP of Rs8	71
FY22F EPS	Rs/Share	48.2
FY23F EPS	Rs/Share	55.8
P/E (1-year forward on FY23F EPS)	Х	15.61
Target Price	Rs/Share	871
	SOURCES: EIP RESEARCH ESTIMATES, CO	MPANY REPORTS

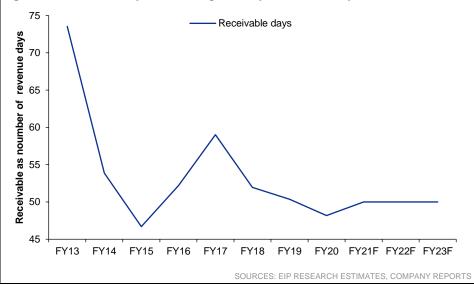
We value the stock at a P/E in line with the long-term mean as:

- Core EPS growth will likely be 10.4% CAGR over FY21F-23F. This EPS growth is a shade lower than the last seven years' (FY13-20) EPS CAGR of 13.4%. However, we believe revenue growth in the next couple of years will be 8.3% CAGR (FY21F-23F), higher than that of the last seven years' (FY13-20) 5.5% CAGR.
- 2. At the same time, the company's balance sheet has improved as subsidy payments, although delayed, are still much better timed than in the past. This shows in the company's reduced receivable days.



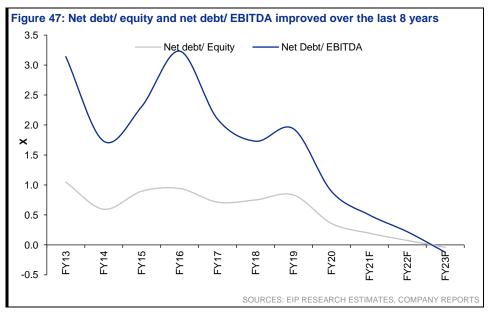
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Figure 46: Receivable days reduced significantly over the last 7 years



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3. All balance-sheet parameters like net debt/ equity, net debt/ EBITDA improved considerably over the last eight years.



#### **Peer comparisons**

	Bloomberg	Closing	Target	% <b>.</b>	Market	EV/EBI1	TDA (x)	P/BV	′ (x)	RoE	(%)	P/E	(x)
Company	Ticker	Price (LC)	Price* (LC)	<sup>76</sup> Rating Upside	cap (US\$ m)	CY21F	CY22F	CY21F	CY22F	CY21F	CY22F	CY21F	CY22F
UPL Ltd	UPLL IN	655	578	-12% HOLD	6,734	9.3	8.4	2.0	1.7	14.4	13.9	18.3	15.1
Rallis India Ltd	RALI IN	266	355	33% ADD	696	13.2	12.0	3.3	3.0	16.6	16.0	21.2	19.6
SRF Limited	SRF IN	6,148	6,227	1% ADD	4,900	18.9	16.3	4.9	4.2	18.8	17.6	29.8	25.8
PI Industries Limited	PI IN	2,416	2,505	4% ADD	4,931	30.6	23.2	6.2	5.7	17.9	15.6	45.2	38.0
Vinati Organics Ltd	VO IN	1,575	1,603	2% ADD	2,178	40.9	29.7	10.0	8.4	20.1	23.3	53.2	39.0
Dhanuka Agritech	DAGRI IN	747	689	-8% REDUCE	468	13.0	11.9	4.2	3.5	26.3	22.7	17.1	16.8
Heranba Industries Ltd	HERANBA IN	666	457	-31% REDUCE	359	17.5	17.8	6.0	4.9	34.5	24.9	24.2	25.4
Anupam Rasayan India Ltd	ANURAS IN	556	379	-32% REDUCE	747	44.1	40.8	3.8	3.4	3.7	6.7	136.8	53.4
Laxmi Organics Ltd	LXCHEM IN	202	110	-46% REDUCE	716	15.9	16.5	3.6	3.2	12.3	10.5	38.6	32.3
Aarti Industries	ARTO IN	1,379	1,087	-21% REDUCE	3,232	23.2	21.7	6.2	5.0	16.1	13.1	34.6	22.0
Navin Fluorine International Ltd	NFIL IN	2,974	2,599	-13% HOLD	1,981	41.7	33.5	7.9	7.1	12.8	15.4	54.0	48.6
Insecticide India Ltd	INST IN	466	461	-1% HOLD	130	7.3	6.8	1.2	1.1	10.7	9.9	12.2	12.0
Coromandel International Ltd	CRIN IN	742	1,000	35% ADD	2,927	11.8	11.4	4.2	3.6	25.9	22.6	17.8	17.2
Bayer	BAYN GR	54	NR	NR NR	62,949	7.7	7.1	1.2	1.1	7.7	7.7	9.1	8.3
BASF	BAS GR	72	NR	NR NR	79,058	8.6	8.4	1.5	1.5	2.8	2.8	16.5	15.5
Corteva	CTVA US	48	NR	NR NR	35,358	13.0	11.5	1.4	1.3	3.4	3.4	25.0	21.0



#### **Risks**

- Our EPS growth assumptions depend heavily on Malathion. We expect at least 25-30% of incremental sales growth in CPC can come from this molecule in FY23F. As explained, Malathion is increasingly being used to save plants from desert locust attacks. Any change in weather that eliminates the risk of desert locust attacks on plants will be negative for Malathion's consumption and, hence, poses a risk to our EPS estimates.
- 2. We have assumed that the phosphatic fertiliser industry would be able to pass on increased phosphatic acid prices in 1QFY22F. Any delay in this will be negative for our EPS and, hence, target price.
- 3. We expect normal inflation in cost (at the same rate as the Consumer Price Index). However, any rapid increase in other costs could be another negative for Coromandel.
- 4. We expect a 5% increase in fertiliser volumes over FY21-23F, but lower growth would mean further risks to our estimates.

#### **SWOT Analysis**

Strength	Weaknesses
Leader in phosphatic fertilisers in India.	CIL is still heavily dependent on the fertiliser business (70% of revenue). This business depends on government subsidies.
Opportunities	Threat
US\$4bn worth of agrochemicals are going off patent in the next six to seven years. Manufacturing these generics is an opportunity.	The inability to pass on cost increases in phosphatic fertiliser manufacturing is a big threat.
	SOURCES: EIP RESEARCH ESTIMATES, COMPANY REPORT



### Annexure

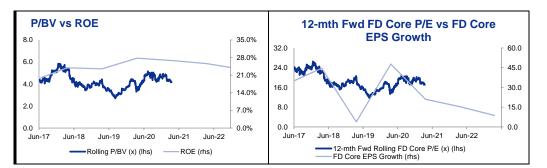
rigure 50. Key mana	agement profiles at Coromandel International
Mr. Arun Alagappan Executive Vice Chairman	Mr. Arun Alagappan (45 years) is the Executive Vice Chairman of the company. Mr. Alagappan was the Managing Director of Cholamandalam Investment and Finance Company prior to joining Coromandel International. He holds directorship in various other companies. Mr. Arun Alagappan started his career with GE Capital Services India in 1997. After a two-year stint with GE, he joined the Murugappa Group in 1999 in Parryware (part of EID Parry India Ltd). Between 2005 and 2017, he served in Tube Products of India, heading various divisions and eventually took over as the Business Head of TI Cycles. In Aug 2017, Mr. Alagappan was appointed as Executive Director of Cholamandalam Investment and Finance Company Limited and subsequently took over as the Managing Director in Nov 2019. Mr. Alagappan graduated in Commerce from the University of Madras and completed the 'Owner President/Management Program' from Harvard Business School.
Mr. A Vellayan Chairman	Mr. A Vellayan (67 years) is currently the Chairman of the Indian Institute of Management, Kozhikode, and Roca Bathroom Products Private Ltd. He has directorships in Ambadi Investments Ltd, AMM Foundation and Kanoria Chemicals & Industries Ltd. Mr. Vellayan has held various positions in the Murugappa Group. He has been conferred a Doctor of Science (Honoris Causa) by Aston University, UK. Mr. Vellayan is a Bachelor of Commerce from Shri Ram College of Commerce, New Delhi, and has a Diploma in Industrial Administration from Aston University, UK, and is a Master of Business Studies from the University of Warwick Business School, UK. Mr. Vellayan has solid experience in the fertiliser business, general management and financial planning.

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#### **BY THE NUMBERS**



### Profit & Loss

(Rs mn)	Mar-19A	Mar-20A	Mar-21F	Mar-22F	Mar-23F
Total Net Revenues	1,32,246	1,31,367	1,44,909	1,57,108	1,70,114
Gross Profit	38,850	40,811	47,095	51,060	55,287
Operating EBITDA	14,431	17,310	20,273	22,152	23,986
Depreciation And Amortisation	(1,138)	(1,580)	(1,628)	(1,710)	(1,910)
Operating EBIT	13,292	15,730	18,645	20,442	22,076
Financial Income/(Expense)	(2,507)	(2,353)	(1,650)	(1,246)	(849)
Pretax Income/(Loss) from Assoc.	4	9			
Non-Operating Income/(Expense)	371	400	420	441	464
Profit Before Tax (pre-EI)	11,160	13,786	17,415	19,637	21,691
Exceptional Items	(239)				
Pre-tax Profit	10,921	13,786	17,415	19,637	21,691
Taxation	(3,721)	(3,135)	(4,512)	(4,747)	(5,499)
Exceptional Income - post-tax					
Profit After Tax	7,200	10,651	12,904	14,890	16,191
Minority Interests					
Preferred Dividends					
FX Gain/(Loss) - post tax					
Other Adjustments - post-tax					
Net Profit	7,200	10,651	12,904	14,890	16,191
Recurring Net Profit	7,358	10,651	12,904	14,890	16,191
Fully Diluted Recurring Net Profit	7,358	10,651	12,904	14,890	16,191

Cash Flow					
(Rs mn)	Mar-19A	Mar-20A	Mar-21F	Mar-22F	Mar-23F
EBITDA	14,431	17,310	20,273	22,152	23,986
Cash Flow from Invt. & Assoc.					
Change In Working Capital	(4,601)	3,119	(2,072)	(2,235)	(2,248)
(Incr)/Decr in Total Provisions					
Other Non-Cash (Income)/Expense					
Other Operating Cashflow	1,650	4,182	2,160	469	1,007
Net Interest (Paid)/Received	(2,507)	(2,353)	(1,650)	(1,246)	(849)
Tax Paid	(3,709)	(3,638)	(4,512)	(4,747)	(5,499)
Cashflow From Operations	5,264	18,620	14,199	14,393	16,397
Capex	(6,010)	(2,559)	(4,000)	(4,000)	(4,000)
Disposals Of FAs/subsidiaries					
Acq. Of Subsidiaries/investments	(178)	(20)			
Other Investing Cashflow	217	359	70	341	364
Cash Flow From Investing	(5,971)	(2,219)	(3,930)	(3,659)	(3,636)
Debt Raised/(repaid)	2,316	(13,574)	(4,341)	(5,454)	(2,262)
Proceeds From Issue Of Shares	45	137			
Shares Repurchased					
Dividends Paid	(2,292)	(1,234)	(3,516)	(3,809)	(4,249)
Preferred Dividends					
Other Financing Cashflow	(2,507)	(2,545)	(1,650)	(1,246)	(849)
Cash Flow From Financing	(2,437)	(17,216)	(9,507)	(10,509)	(7,359)
Total Cash Generated	(3,144)	(816)	762	226	5,402
Free Cashflow To Equity	1,609	2,826	5,928	5,281	10,499
Free Cashflow To Firm	1,800	18,753	11,920	11,981	13,609

SOURCES: EIP RESEARCH, COMPANY REPORTS

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### BY THE NUMBERS...cont'd

Balance Sheet					
(Rs mn)	Mar-19A	Mar-20A	Mar-21F	Mar-22F	Mar-23F
Total Cash And Equivalents	1,595	783	1,545	1,771	7,173
Total Debtors	18,244	17,341	19,851	21,522	23,303
Inventories	32,414	26,971	31,761	34,435	37,285
Total Other Current Assets	30,996	28,557	29,493	30,675	31,799
Total Current Assets	83,249	73,652	82,650	88,402	99,561
Fixed Assets	14,768	20,750	23,122	25,412	27,501
Total Investments	2,008	2,113	2,113	2,113	2,113
Intangible Assets	235	227	227	227	227
Total Other Non-Current Assets	5,479	4,745	5,537	6,035	6,559
Total Non-current Assets	22,490	27,836	31,000	33,787	36,401
Short-term Debt	29,545	16,251	11,910	6,456	4,195
Current Portion of Long-Term Debt					
Total Creditors	37,625	33,481	39,701	43,043	46,607
Other Current Liabilities	3,616	3,933	4,318	4,666	5,036
Total Current Liabilities	70,785	53,665	55,930	54,165	55,837
Total Long-term Debt					
Hybrid Debt - Debt Component					
Total Other Non-Current Liabilities	108	3,857	3,857	3,857	3,857
Total Non-current Liabilities	108	3,857	3,857	3,857	3,857
Total Provisions	1,263	789	789	789	789
Total Liabilities	72,155	58,311	60,576	58,811	60,483
Shareholders Equity	33,584	43,177	53,074	63,378	75,479
Minority Interests					
Total Equity	33,584	43,177	53,074	63,378	75,479
Key Ratios					
	Mar-19A	Mar-20A	Mar-21F	Mar-22F	Mar-23F
Revenue Growth	19.3%	(0.7%)	10.3%	8.4%	8.3%
Operating EBITDA Growth	14.9%	20.0%	17.1%	9.3%	8.3%
Operating EBITDA Margin	10.9%	13.2%	14.0%	14.1%	14.1%
Net Cash Per Share (Rs)	(95.55)	(52.79)	(35.38)	(15.99)	10.17
BVPS (Rs)	114.81	147.36	181.14	216.31	257.61
Gross Interest Cover	5.30	6.69	11.30	16.41	26.02
Effective Tax Rate	34.1%	22.7%	25.9%	24.2%	25.4%
Net Dividend Payout Ratio	25.6%	33.0%	29.5%	28.5%	26.2%
Accounts Receivables Days	46.95	49.44	46.84	48.06	48.09
Inventory Days	107.55	119.68	109.58	113.92	113.99
Accounts Payables Days	139.54	143.30	136.54	142.40	142.48
ROIC (%)	16.4%	20.0%	22.8%	23.2%	23.4%
ROCE (%)	21.8%	25.3%	29.7%	30.1%	29.3%
Return On Average Assets	8.9%	12.0%	13.1%	13.4%	13.0%

SOURCES: EIP RESEARCH, COMPANY REPORTS

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1 CG Score 2019 from Thai Institute of Directors Association (IOD)

2 AGM Level 2018 from Thai Investors Association

3 Companies participating in Thailand's Private Sector Collective Action Coalition Against Corruption programme (Thai CAC) under Thai Institute of Directors (as of November 30, 2018) are categorised into:

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4 The Stock Exchange of Thailand : the record of listed companies with corporate sustainable development "Thai sustainability Investment 2018" included:

SET and mai listed companies passed the assessment conducted by the Stock Exchange of Thailand: THSI (SET) and THSI (mai)

SET listed companies passed the assessment conducted by the Dow Jones Sustainability Indices (DJSI)

Recommendation Framework				
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Add	The stock's total return is expected to exceed 10% over the next 12 months.			
Hold	The stock's total return is expected to be between 0% and positive 10% over the next 12 months.			
Reduce	The stock's total return is expected to fall below 0% or more over the next 12 months.			
The total expected return of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net				
dividend yields of the stock. Stock price targets have an investment horizon of 12 months.				
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Neutral	A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.			
Underweight	An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.			
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Neutral	A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.			

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