Buy



# PI Industries

 BSE SENSEX
 S&P CNX

 65,512
 19,512

### **Stock Info**

Bloomberg	PLIN
Equity Shares (m)	152
M.Cap.(INRb)/(USDb)	518.1 / 6.2
52-Week Range (INR)	4011 / 2869
1, 6, 12 Rel. Per (%)	-5/2/-1
12M Avg Val (INR M)	1190
Free float (%)	53.9

### Financials Snapshot (INR b)

	1		
Y/E MARCH	2023	2024E	<b>2025E</b>
Sales	64.9	85.2	98.7
EBITDA	15.4	20.8	24.4
Adj. PAT	12.3	16.1	19.3
EBITDA Margin (%)	23.8	24.4	24.7
Cons. Adj. EPS (INR)	80.9	105.6	126.8
EPS Gr. (%)	45.7	30.6	20.0
BV/Sh. (INR)	474	569	685
Ratios			
Net D:E	(0.4)	(0.3)	(0.4)
RoE (%)	18.5	20.3	20.2
RoCE (%)	18.5	20.3	20.2
Payout (%)	12.4	9.5	9.1
Valuations			
P/E (x)	42.3	32.4	27.0
EV/EBITDA (x)	32.3	24.3	20.2
Div. Yield (%)	0.3	0.3	0.3
FCF Yield (%)	2.3	(0.3)	3.0

## Shareholding pattern (%)

As On	Jun-23	Mar-23	Jun-22					
Promoter (%)	46.1	46.1	46.7					
DII (%)	24.0	24.2	25.9					
FII (%)	19.2	18.6	16.0					
Others (%)	10.8	11.1	11.4					

FII Includes depository receipts

## CSM segment moving from strength to strength

**CMP: INR3,415** 

PI industries (PI) has built a strong business model by strengthening its presence in the CSM segment in the agrochemical industry. Going ahead, it aims to diversify into the pharmaceutical segment and other niche chemistry. The company continues to build a strong domestic agrochemical franchise with the launch of better products in the crops and pesticide segments over the years.

TP: INR4,560(+34%)

- We believe that any correction in the stock is an opportunity to buy a quality business at a better valuation. The stock has traded at an average P/E of 37x/35x over the last three/five years on a one-year forward basis. We ascribe 36x FY25E EPS after considering the strong growth outlook for existing businesses and its acquisition in the pharma segment which adds up to Pl's total addressable market (TAM) (from USD31.5b to USD136.5b in 2022), providing a long runway for growth.
- We value the stock at 36x FY25E EPS (in line with its 3/5-year avg one-year forward P/E) to arrive at a TP of INR4,560. Maintain BUY.

## CSM business helps to sustain growth amid difficult global scenario

- The company's focus on export CSM has been the key differentiator compared to other agchem/chemical players in India. PI has a strong track record of an industry-beating revenue CAGR (18% in FY16-23) and a sustainable margin profile (over 20% in FY16-23; ~24% in FY23).
- PI's moat lies in its strong export-focused CSM business, as no other Indian player offers the width and consistency that PI does. The company is banking on this factor by consistently launching new molecules.
- The company works with 20 global innovators, manufacturing over 25 products on a commercial scale and evaluating over 60 molecules in their R&D center.
- Where global generic agrochemical companies are facing headwinds in the form of subdued prices and volumes due to overcapacity in China, PI is faring well on the back of its CSM business focused on patented molecules (volume growth of 29% YoY in 1QFY23).

## Commercialization of new molecules in CSM maintains momentum

- PI's CSM business specializes in agrochemicals, primarily patented molecules, which account for 90% of revenue. The company collaborates with global agrochemical innovators to optimize the manufacturing process, reduce costs, and enhance product quality. PI has strong partnerships with over 20 global customers, including Kumiai Chemicals, Nissan Chemicals, Mitsui Chemicals, Bayer, BASF and Corteva.
- PI's CSM business has demonstrated impressive growth, with a 28% CAGR in FY18-23 and an estimated 21% CAGR from FY23-25E.
- The company has a robust pipeline of molecules at various stages, including R&D and recent commercialization. PI commercialized one molecule in 1QFY24 and plans to launch four to five more molecules annually from FY24 onward, as per its guidance.

Sumant Kumar - Research Analyst (Sumant.Kumar@MotilalOswal.com)

Research Analyst: Meet Jain (Meet.Jain@MotilalOswal.com) / Omkar Shintre (Omkar.Shintre@MotilalOswal.com)

MOTILAL OSWAL

## Stock performance (one-year)



- The launch momentum is driven by the rise in outsourcing by global innovators, lower competitive intensity in the CSM market (due to global consolidation), cost advantages, a steadfast commitment to protecting intellectual property rights, and the wealth of expertise accumulated over the years.
- PI has improved its R&D capabilities by adding more scientists and researchers (473 in FY23 vs. 228 in FY21), which reflects in the increase in its cumulative patent filings to 147 in FY23 from 102 in FY21 (Refer Exhibit: 19)
- As per WTO, India is a growing hub for chemicals, ranking as the world's second-largest agro-chem exporter in 2022, surpassing USA. The Indian agro-chem market is set to grow 10-12% in FY24, with exports accounting for a 50% share, driven by the 'China plus one' strategy, declining EU competition, and Indian government support.
- PI ranks among the top five global players in the agrochemical CSM sector, with a focus on early-stage molecules. The company maintains competitive margins, with EBIDTA margin of ~24% in FY23 compared to its global peer CABB Chemicals, which has EBITDA margin of 22-23% in CY22. (Refer Exhibit: 22).

## Eying big opportunity in pharma segment

- PI intends to diversify its CSM business by focusing on high-potential segments such as pharmaceuticals, polymer additives, imaging chemicals, electronicchemicals and specialty chemicals, as well as new application areas such as biochemistry, nutraceuticals and additive chemicals.
- On that front, the company has been actively pursuing the pharma CDMO business since 2020.
- The size of the global CRO/CDMO industry was USD29b/USD76b in 2022, which is expected to see a 14%/17% CAGR over 2022-26, with India being a key market.
- To accelerate its journey in the pharma space, PI completed two major acquisitions of Therachem Research Medilab LLC (TRM) and Italy-based Archimica Spa. These companies are engaged in the business of CRDMO of chemical compounds, which are ultimately used for the manufacturing of API and other pharmaceutical products.
- The company will create a differentiated position in the pharma sector by leveraging its core competencies in complex chemistry, process development, operational excellence, technology platforms and global reach through partnerships with prominent innovators.
- PI plans to spend about INR0.8-1.3b annually on capacity enhancement for the existing pipeline, business capabilities and asset quality improvement, among others.
- The management expects to double the pharma segment's revenue in the next three to four years at a CAGR of 20-25% over FY22-25. The pharma business is expected to contribute ~7.3%/6.2% to overall revenue/EBITDA of PI by FY25.

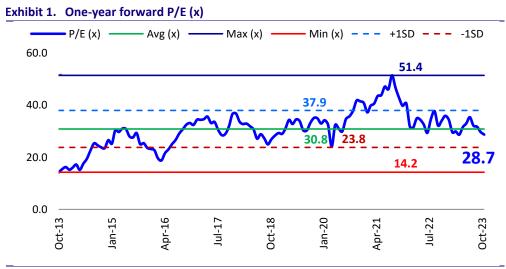
## Domestic agrochemical- New product a key to drive growth

PI's domestic agrochemical business posted a 9% CAGR during FY16-23 and its share in the revenue mix declined to 22.5% in FY23 from 39% in FY16. Key factors behind this performance include patent expiry for Nominee Gold, increased generic competition and changes in the product portfolio (discontinuing Phorate).

- However, going ahead, the company is expected to outpace industry growth with a 12% CAGR during FY23-25, driven by new product launches (five in FY24) and a shift to a crop solution approach from a product approach for deeper market penetration.
- The company launched one product (EKETSU rice herbicide mixture) in 1QFY24 and plans to launch five products in FY24.
- PI's strong brand reputation and established relationships with global innovators, like Kumiai, Ihara, Mitsui, Bayer, and BASF, have facilitated its rapid expansion into new products and markets.
- To support its rapid product expansion, PI has a robust and extensive distribution network across India. The company utilizes over 25 stock points, 26 depots, a skilled field force of 1,500 individuals, 10,000 active dealers/distributors, and over 80,000 retailers nationwide. PI connects with over a million farmers.

### Valuation and view

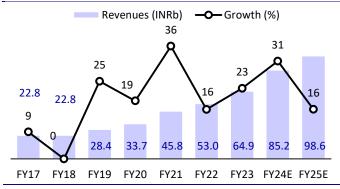
- PI has levers in place to sustain near-term growth momentum, led by: 1) consistent growth in the CSM business, driven by a strong (USD1.8b) order book, faster commercialization of new molecules (plans 4-5 launches every year), and sales ramp-up in existing molecules; 2) product launches in the domestic market (7 launches in FY23 and plans 5 launches in FY24); and 3) recent acquisitions in the pharma API and CDMO space.
- We expect revenue/EBITDA/PAT CAGR of 23%/26%/25% over FY22-25E.
- The stock has traded at an average of 37x/35x over the last three/five years on a one-year forward basis. We ascribe 36x P/E after considering the strong growth outlook for existing businesses and its acquisition in the pharma segment which adds up to Pl's total addressable market, providing a long runway for growth.
- We value the stock at 36x EPS (in line with its 3/5-year avg one-year forward P/E) to arrive at a TP of INR4,560. Maintain BUY.



Source: Bloomberg, MOFSL

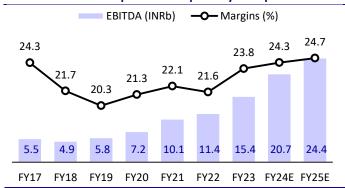
## **Story in Charts**

Exhibit 2. Expect 23% revenue CAGR over FY23-25



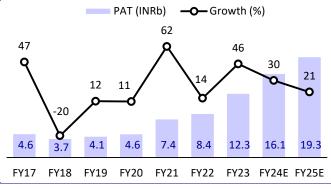
Source: Company, MOFSL

Exhibit 3. EBITDA expected to expand by 100bp



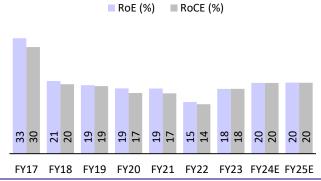
Source: Company, MOFSL

Exhibit 4. Expect a 25% CAGR in PAT



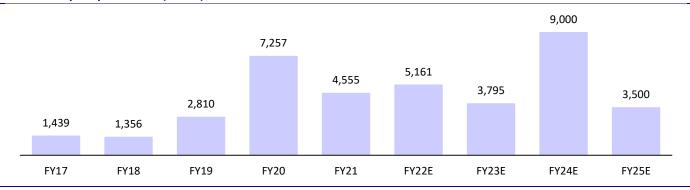
Source: Company, MOFSL

**Exhibit 5. ROE and ROCE trend** 



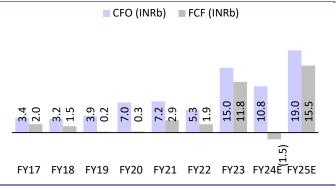
Source: Company, MOFSL

Exhibit 6. Capex spend trend (INR m)



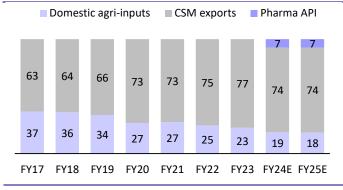
Source: Company, MOFSL

Exhibit 7. CFO and FCF generation trend



Source: Company, MOFSL

Exhibit 8. Revenue mix going forward (%)

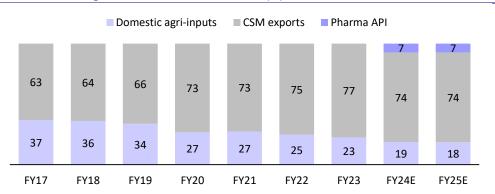


Source: Company, MOFSL

## PI Industry – a unique business model in chemical space

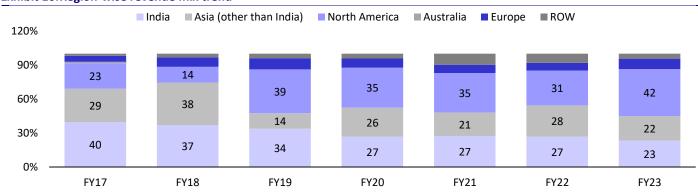
- PI was incorporated in 1946 as a Mewar Oil & General Mills Ltd-an oil milling company and then diversified into an agrochemical manufacturing company.
- It is an integrated agri chemicals solution company catering to complex chemistry solutions market in agri and other fine chemicals areas across the world.
- PI Industry has long-term partnerships with leading companies globally, providing them solutions across the fields of R&D, regulatory services, manufacturing services, application development, marketing, distribution, and customer connect initiatives.
- It currently has two broad verticals: 1) CSM (77% of revenue in FY23), and 2) domestic formulations business (23% of revenue in FY23). Patented molecules contribute ~90% of CSM revenues and in-licensed molecules contribute more than 60% of domestic revenues.
- PI has a robust manufacturing and R&D infrastructure consisting of five formulation facilities and 15 multipurpose manufacturing plants spread across four manufacturing locations. The company has strong research presence through state-of-the-art R&D with comprehensive infrastructure at Udaipur, Rajasthan with more than 470 scientists and engineers.

Exhibit 9. CSM segment dominates revenue mix (%)



Source: Company, MOFSL

Exhibit 10. Region-wise revenue mix trend

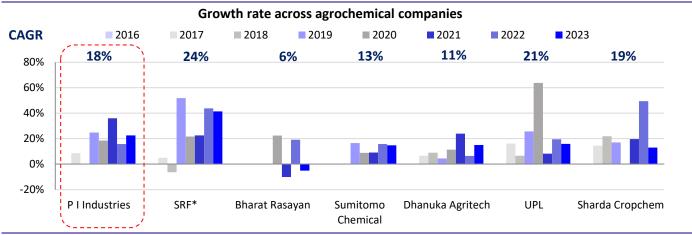


Source: Company, MOFSL

## CSM business helps to sustain growth amid global woes

- PI is one of the most consistent Indian chemical companies with a strong revenue trajectory and an improving margins profile. During FY16-23, PI posted an 18% CAGR in revenue and a 20% CAGR in EBITDA margins.
- It is the only agrochemical company in India, which has consistently delivered operating margins of over 20% in the last eight years (~24% in FY23).
- PI's moat lies in its strong export-focused CSM business as no other Indian player offers the width and consistency that PI does.
- PI is among the few alternatives that most innovators have globally for end-to end AI projects. European competition is going out of business (European suppliers such as Lonza have exited the agrochemicals businesses) and clients moving away from China.

Exhibit 11.Strong Revenue CAGR over FY16-23 – among the best (INR b)



<sup>\*</sup>SRF's Chemical biz revenue growth

Source: Company, MOFSL



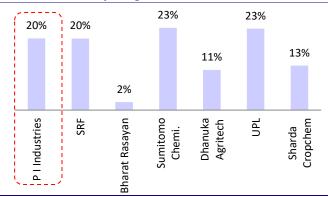
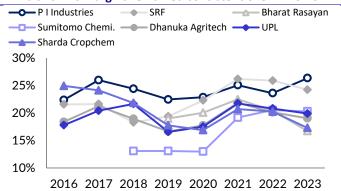


Exhibit 13.Pl's margins remained consistent over FY16-23



Source: MOFSL, Company

Source: MOFSL, Company

 Over the past few quarters, global agrochemical companies dealing in generic products have been under pressure due to excess Chinese inventory being lashed out in the world. This led to lower volume growth and high pricing pressure.

However, PI, which is working with global innovators for patented molecules, has been the least impacted of them all. PI's export CSM business has not only proven to be margin accretive but also sustainable during such difficult times for agrochemical industry globally.

- For instance, UPL (one of the largest global agrochemical players) posted subdued growth/decline in revenue in last two quarters (4%/-17% in 4QFY23/1QFY24), while PI was able to grow its overall revenue by ~12%/24%. Growth was mainly led by strong revenue growth of 15%/33% in the CSM business. Domestic agri-input reported 1% growth/13% decline in 4QFY23/1QFY24.
- The inventory pressure is expected to persist for another couple of quarters due to the overcapacity situation in China still looming.

Exhibit 14. PI's CSM revenue outperforms domestics business... (%)

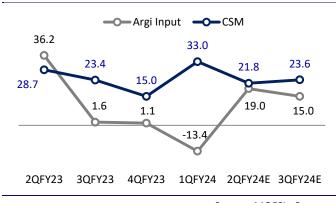
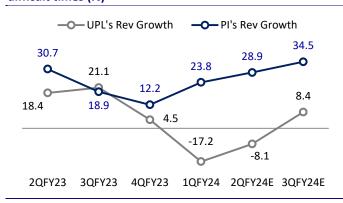


Exhibit 15. ...sustaining overall revenue growth amid difficult times (%)

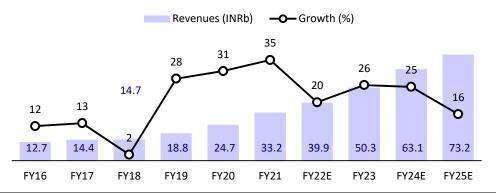


Source: MOFSL, Company Source: MOFSL, Company

## Commercialization of new molecules in CSM maintains traction

- PI's CSM business focuses on new chemistry/patented molecule in agrochemicals. The company is primarily focusing on patented molecules, which contribute ~90% of the segmental revenue. PI works with global agrochemical innovators on their patented molecules. The company helps to find the right manufacturing process, which improves cost and product quality. PI has established relationships with over 20 global customers like Kumiai Chemicals, Nissan Chemicals and Mitsui Chemicals (Japanese innovators), Bayer, BASF, Corteva, etc.
- The company works with 20 global innovators, manufacturing over 25 products at commercial scale and evaluating over 60 molecules in their R&D centers.
- PI's CSM business saw a CAGR of 22% over FY16-23 and is expected to post 21% CAGR over FY23-25.

Exhibit 16. PI's CSM revenue to record strong CAGR of 21% over FY23-25

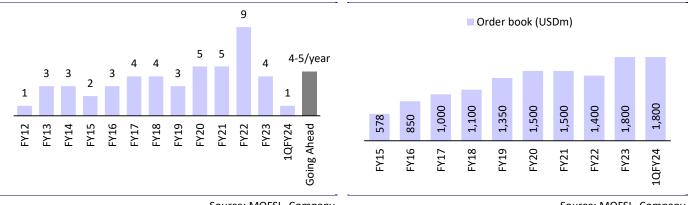


Source: MOFSL, Company

The company has a strong pipeline of molecules, including ones at an R&D stage and at a recently commercialized stage. PI successfully commercialized one molecule in Q1FY24 and remains on track to meet its annual launch guidance of four to five molecules in FY24.

**Exhibit 17. CSM Molecules Commercialized** 

Exhibit 18. Revenue visibility with strong orderbook



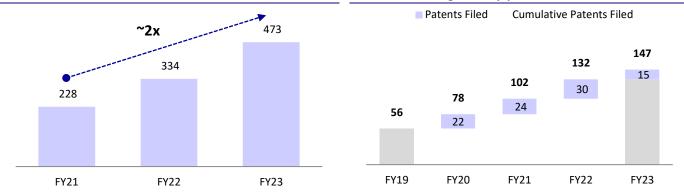
Source: MOFSL, Company Source: MOFSL, Company

- Further, the management has guided for the the launch at least four to five molecules every year going forward.
- The launch pipeline is backed by the rise in outsourcing, lower competitive intensity and a skilled R&D team.
- The outsourcing from key global agrochemical innovators has been increasing due to sourcing diversification and benefits from the 'China+1' strategy. This has benefited PI as it has developed capability/understanding in various chemistries by focusing on R&D to provide alternative cheaper/greener processes to innovators. PI is also among the few companies globally offering end-to-end AI projects to customers acting as a strong moat.
- PI has improved its R&D capabilities by adding more scientists and researchers (473 in FY23 vs. 228 in FY21), which reflects in the increase in cumulative patents filed to 147 in FY23 up from 102 in FY21.

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**Exhibit 19.** Increase in number of scientists and researchers

**Exhibit 20. Strong Patent pipeline** 



Source: MOFSL, Company

Source: MOFSL, Company

Exhibit 21. R&D spend CAGR of 13% over FY17-23

Particulars	FY17	FY18	FY19	FY20	FY21	FY22	FY23
Capital Exp. (INR m)	530	167	50	229	235	185	425
Revenue Exp. (INR m)	347	566	688	920	1,133	1,189	1,431
Total R&D Spend (INR m)	877	733	738	1,149	1,368	1,374	1,856
Growth (%)	8	-16	1	56	19	0	35
R&D Spend							
as a % of Sales	3.9%	3.2%	2.6%	3.4%	3.0%	2.6%	2.9%
as a % of EBITDA	15.8%	14.9%	12.8%	16.0%	13.5%	12.0%	12.0%

Source: Company, MOFSL

## Indian CSM industry to assume leadership position globally

- The global agrochemical CSM industry is consolidating, led by divestment of the agrochemical business by major global players such as Lonza Group. This is leading to a demand-supply mismatch, providing opportunities to other global players.
- Customers are also looking for new vendors, besides Chinese companies, and PI
  is the best company to offer the width and consistency in the Indian market.
- India is viewed as the primary hub for the chemical industry's growth in the long term. It is worth noting that India recorded agricultural chemical (agro-chem) exports totaling ~USD5.5b in 2022, marking a 10% increase and establishing it as the world's second-largest agro-chem exporter, surpassing USA (as per WTO). The Indian agro-chem industry is slated to grow 10-12% in FY24, with exports accounting for 50%. Concurrently, the 'China+1' phenomena, the decline in the EU and supportive government policies, the chemical industry powerhouse will support growth for India.
- Additionally, India has become the second-largest agro-chem producer globally the fourth largest within one year. The government is contemplating the implementation of a production-linked incentive (PLI) scheme for both the chemical and agro-chem sectors, which could further enhance their strength.
- Moreover, the scope within R&D services used to be restricted, but this has undergone a significant transformation. International entities have discovered opportunities to subcontract various functions, such as field trials and toxicology studies, to Indian CROs, and this trend is anticipated to continue to expand in the coming years.

Growth in Custom Synthesis and Manufacturing (CSM) services represents a notable success story, particularly for PI. The primary drivers of PI's CSM business include geopolitical tensions, cost advantages, a steadfast commitment to protecting intellectual property rights, and the wealth of expertise accumulated over the years.

- A critical requirement for further growth in this domain is the unwavering adherence to safety and sustainable practices.
- PI is among the top five players globally in the agro-chem CSM space, especially in the early stage molecules. Other global players are CABB Chemicals GMBH, Lianhe Chemical Technology, and Saltigo GmbH and Lonza Group AG (which recently exited the CSM business).
- PI commands similar margins in the CSM segment to its global peer. For example, CABB Chemicals reported EBIDTA margin of about 22-23% in CY22 vs. PI's margins of 23.8% in FY23.

22.9
21.2
21.3
21.7
22.1
21.5
21.6

CY19|FY19
CY20|FY20
CY21|FY21
CY22|FY22
1HCY23|FY23

Exhibit 22. Margin Comparison between CABB Chemicals and PI (%)

Source: Company, MOFSL

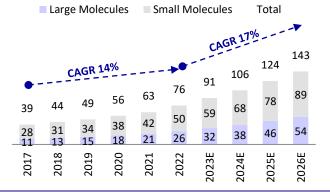
## Eying big opportunity in pharma segment

- PI intends to diversify its CSM business by focusing on high-potential segments, such as pharmaceuticals, polymer additives, imaging chemical, electronic-chemicals and specialty chemicals, as well as new application areas, such as biochemistry, nutraceuticals and additive chemicals.
- The company's technical capabilities in CSM have become a valued collaborator for global innovators, and consequently, a large portion of its product portfolio comprises patented products.
- PI has forayed into the pharmaceutical sector in 2020 and has developed and scaled up an advanced intermediate for a promising Covid-19 drug for patients with mild and moderate Covid-19 for a few pharmaceutical companies in India, as well as in Japan.
- PI is making progress in several intermediates and is focusing on the commercialization of new molecules. It is also looking at an outsourcing model in this segment.
- In the next 4-5 years, PI aims to increase the pharma segment's revenue contribution to ~20%.
- Contract Research Organizations (CRO) provides R&D services to the pharmaceutical, biotechnology, medical device, and other industries in the form of services outsourced on a contract basis. The <u>global CRO market size</u> was valued at USD29b in 2022 and is expected to expand at a CAGR of 14% to USD49b in 2026.
- CDMOs (contract development and manufacturing organizations) specialize in the development, scale-up and manufacturing of drug products for clinical trials and for commercial distribution. CDMOs offer a range of services, including drug development, process development, formulation development, analytical testing, scale-up, manufacturing, packaging, and distribution. The global CDMO market was valued at USD76b in 2022 and is expected to see a CAGR of 17.1% to reach a market size of USD143b in 2026.





Exhibit 24. Global Pharma CDMO Market Size (USDb)



Source: F&S, MOFSL Source: F&S, MOFSL

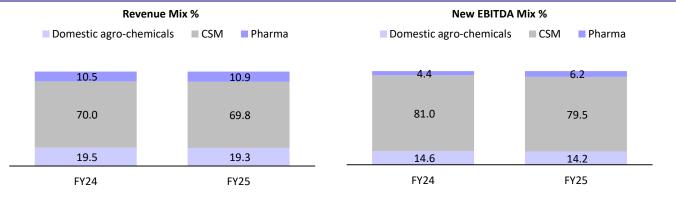
Exhibit 25. Key global players

СОМО	CRO
Gland Pharma	Syngene International
Laurus Labs	Charles River
Divi's Labs	Icon PLC
Hikma	Parexel international
West Pharma	Quintile Transnational
Nova Nordisks	
Catalent Pharma Solutions	
Lonza	
Samsung Biologics	

Source: MOFSL

- With its entry into the pharma space, Pl's TAM increased to USD105b (CRO and CDMO) in 2022 from USD31.5b, i.e., global crop protection market size (assumed 40% for patented and proprietary off-patent products of total market size of USD78.7b in 2022).
- In the pharma segment, PI has a two-pronged strategy:
- Organic growth, which remains on track and PI has invested INR750m; in the long run, it will generate 1.5x-1.75x asset turns.
- Inorganic growth, where it recently acquired two companies, TRM and Archimica involved in the CRDMO (contract research, development and manufacturing operations) of chemical compounds, which are ultimately used for manufacturing of API (active pharmaceutical ingredients) and other pharmaceutical products. PI will continue to scout more inorganic opportunities.
- TRM is in the business of CRDMO where it provides services and products to pharmaceutical and biopharmaceutical companies in the preclinical and clinical stages. This is a high margin business due to high concentration of patented products. Consolidated revenue of INR2.5b (USD33m) in FY22 with EBITDA of INR1b (USD14m) translating into a healthy margin profile of 42%.
- Archimica is small CDMO player dealing in generic API and intermediate products across wide therapeutic and substance classes such as Oncology, Anti Ulcer, and Anti Arthritis. Being into generic products the margins profile of this business is lower compared to TRM at ~16%.
- The company plans to spend about INRO.8-1.3b (USD10-15m) annually on three areas: 1) capacity required for existing pipeline; 2) building business capabilities; and 3) improvement of asset quality.
- Consequently, the company expects to double the pharma segment's revenue over the next three to four years (CAGR of 20-25% over FY22-25). The pharma business is expected to contribute ~7%/6% to PI's FY25 revenue/EBITDA.

Exhibit 26. Consolidated revenue/EBITDA mix post-acquisition



Source: Company, MOFSL

## **Incubating growth in other Key chemicals**

- PI has initiated the manufacturing of **electronic chemicals** with global customers. These chemicals are low-volume high-value products. PI is seeing a good uptrend in new business enquiries and it is expected to commercialize 4-5 molecules.
- Electronics chemicals are just an entry point and the company is foraying into multiple areas of specialty chemicals, such as fine chemicals, chemicals for semiconductors, specialized polymers, etc.
- The Freshness Index (share of products launched in last 4-5 years) stood at ~17-18% of total revenue in FY23 vs. 16-17% in FY22. Similar growth trend and revenue contribution should continue going forward as well, as the company plans to add new molecules every year.

## Domestic agrochemical: New product a key to drive growth

Growth in the domestic agrochemical business has been slow (CAGR of 9% over FY16-23), resulting in a drop in the revenue mix to 22.5% in FY23 from 39% in FY16.

- Key factors behind this muted performance: 1) its flagship product Nominee gold went off-patent resulting in stiff competition from generic brands; and 2) a change in its product portfolio and discontinuation of its profitable molecules like 'Phorate'.
- However, going forward, we expect PI to register higher growth (CAGR of 12% during FY23-25E) than the industry, led by new product launches. PI has transitioned from a product approach to a crop solution approach for deeper market penetration.
- The company has recently launched seven new products and plans to launch five products in FY24. They all are specialty products with a mix of wheat, rice, horticulture crops and biological products. Some of these products are multicrop and multi-segment products with huge potential.
- The new products that received approval in FY23 includes three insecticides (DINOCE, UTILMARE, BROFREYA), two fungicides (SECTIN, TAURUS), one herbicide (PROVIDE) and one biologicals (TOMATOUGH).
- In 1QFY24, PI also launched EKETSU (herbicide), which is the first three-way Rice Herbicide Mixture of three proven chemistries to provide maximum weed control efficacy.

INSECTICIDE 1 Product launched in Q1FY24 FUNGICIDE DINOACE SECTIN Combination Dual action Post Emergence Broad spectrum Rice insecticide for Fungicide with excellent curative Herbicide control against Downy mildew & late blight ULTIMARE FKETS JIVAGRO: innovative Novel mode of products action NEMATICIDE launched in **TAURUS** FY23 1st 3-way Rice BROFREYA Nematicide for nematode Herbicide Mixture Revolutionary control in insecticide: of 3 proven vegetable chemistries to technological provide maximum advancement for Indian Farmers weed control efficacy **BIOLOGICALS** HERBICIDE Excellent broad TOMATOUGH spectrum weed PROVIDE control Biological product Herbicide with prewhich enhances emergence to postplant health and emergence application on induces tolerance to viruses Cotton

Exhibit 27. Recent launches by PI in the domestic agrochemical space

Source: Company, MOFSL

■ The newly launched brands, such as Awkira, Distruptor®, Brofreya®, Sectin®, Provide®, Dinoace™, Taurus® and Tomatough®, are getting good traction and acceptance.

- The key products/brands of PI in the domestic business includes NOMINEE GOLD, OSHEEN, BIOVITA, ROKET 44% EC, FOSMITE 50% EC, KEEFUN, VIBRANT and COSKO, which the company owns and licenses (Refer Exhibit: 12-14 for full list of products).
- PI's strong brand reputation and longstanding relationships with leading global innovators, such as Kumiai, Ihara, Mitsui, Bayer and BASF, have enabled the company to quickly expand into new products and new geographic markets. For instance, Bayer and BASF have committed to partnering with PI for most of their new launches in India, thereby providing the company visibility for future order inflow.
- Product launches are a continuous process and the company has 15-18 products at different stages of development and registration. We expect the company to continue to launch innovative products for the global partners, which should boost revenue over the next few years.
- PI has a strong and wide distribution network spanning across the country. It has 25+ stock points, including its own depots and C&F agents who work on a huband spoke distribution model to ensure timely delivery of products. With 26 depots, 1,500 experienced field force, 10,000 active dealer/distributors and more than 80,000 retailers, PI reaches out to more than a million farmers. Its centralized SAP-based ERP system efficiently provides last-mile connectivity.

Exhibit 28. Key Products of PI in the domestic agrochemicals business

<b>Brand Name</b>	Common Name of Formulation	Crop	Use for/against
Insecticides			
KEEFUN	Tolfenpyrad 15% EC	Okra	Hoppers, aphids, Diamond Back Moth, Tobacco caterpillar (Spodoptera), bugs, Scale insects, psylla, thrips, borer, leaf miner, mites etc and some fungal diseases on vegetables, fruits, field crops
OSHEEN	Dinotefuran 20% SG	Mango and Rice	Brown Plant Hoppers in Rice
FOSMITE	Ethion 50% EC	Cotton and Tea	Mites, Scales, Thrips, Beetles and Lepidopterous larvae
ROKET	Profenofos 40% + Cypermethrin 4%EC	Cotton	Effective against several insect pests (both chewing and sucking types)
VIBRANT	Thiocyclam Hydrogen Oxalate 4% GR	Rice, Corn, Vegetables and Fruits	Effective control of stem borer in Rice crop
COSKO GR	Chlorantraniliprole 0.4% GR	Basmati Rice	Pests belonging to the order Lepidoptera and some other pest species
COSKO SC	Chlorantraniliprole 18.5% SC	Paddy and Sugarcane	Anthranilic diamide group & having claim on many crops as per label to control various lepidopteran pests
Herbicide			
NOMINEE GOLD	Bispyribac Sodium 10% SC	Paddy	NOMINEE GOLD is a Post Emergent, Broad Spectrum systemic herbicide for all types of Rice cultivation i.e. direct sown rice, rice nursery and transplanted rice
<b>Specialty Product</b>	s		
BIOVITA Granules	Ascophyllum nodosum	Leafy vegetables, spinach, lettuce	Enables plants to receive direct benefits from the naturally balanced nutrients and plant growth substances available in the seaweed extract
BIOVITA Liquid	Ascophyllum nodosum	Leafy vegetables, spinach, lettuce	Enables plants to receive direct benefits from the naturally balanced nutrients and plant growth substances available in the seaweed extract
<u></u>	·		

Source: Company, MOFSL

Exhibit 29. List of products under insecticides

Exhibit 30. List of products under fungicides and herbicides

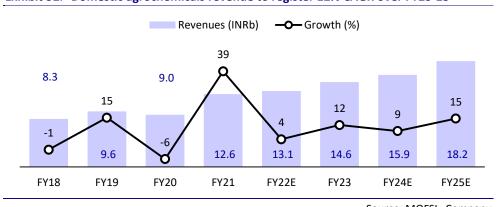
Drand Name	Brand Name Common Name of Formulation		Common Name of Formulation	
Brand Name	Common Name of Formulation	Brand Name	Common Name of Formulation	
KEEFUN	Tolfenpyrad 15% EC		<u>Fungicides</u>	
COLT	Cypermethrin 25% EC		Whenin 400/ EC	
OSHEEN	Dinotefuran 20% SG	KITAZIN	Kitazin 48% EC	
COLFOS	Ethion 40% + Cypermethrin 5% EC	SANIPEB	Propineb 70% WP	
FOSMITE	Ethion 50% EC	CLUTCH	Pyraclostrobin 5%+Metiram 55% WG	
FLUTON	Flubendiamide 20% WG	HEADER	Pyraclostrobin 10% CS	
JUMBO	Imidacloprid 17.8% SL	VISMA	Pyraclostrobin 12.8% + Boscalid 25.2% WG (38%WG)	
SNAILKILL	Metaldehyde 2.5% Pellet	SHIELD	Iprobenfos 48% EC	
	, , , , , , , , , , , , , , , , , , ,	WAGON	Thifluzamide 24% SC	
ROKET	Profenofos 40% + Cypermethrin 4%EC		Herbicides	
CARINA	Profenofos 50% EC		<u>nerbicides</u>	
SIMBAA	Propargite 57% EC	SOLARO	Atrazine 50% WP	
VOLTAGE	Spiromesifen 22.9% SC	WICKET	Clodinafop-Propargyl 15% WP	
MAXIMA	Thiamethoxam 25% WG	NOMINEE GOI	LD Bispyribac Sodium 10% SC	
VIBRANT	Thiocyclam Hydrogen Oxalate 4% GR	PIMIX	Metsulfuron methyl 10% + Chlorimuron ethyl 10% WF	
COSKO GR	Chlorantraniliprole 0.4% GR	LEGACEE	Fenoxaprop-p-ethyl 6.9% EC	
соѕко sc	Chlorantraniliprole 18.5% SC	MELSA	Pinoxaden 5.1% EC	
RODEO	Bifenthrin 10% EC	ELITE	Topramezone 33.6%SC	
DISTRUPTOR	Dinetofuran 15%+ Pymetrozine 45% WG	AWKIRA	Pyroxasulfone 85%G WG	
BROFREYA	Broflanilide 20% SC	LONDAX POWERBensulfuron Methyl 0.6% + Pretilachlor 6% GR		

**Exhibit 31. List of specialty products** 

<b>Brand Name</b>	Formulation
BIOVITA GRANULES	Ascophyllum nodosum
BIOVITA LIQUID	Ascophyllum nodosum
SUPER SPREADER	Silicon based non-ionic tank mix adjuvant
HUMESOL	Humic Acid 18% Fulvic Acid 1.5% Aqueous Concentrated Solution

Source: Company, MOFSL

Exhibit 32. Domestic agrochemicals revenue to register 12% CAGR over FY23-25



Source: MOFSL, Company

## Valuation and view

- PI has levers in place to sustain near-term growth momentum, led by:
- Consistent growth momentum in the CSM business, driven by a strong (USD1.8b) order book, the rising pace of commercialization of new molecules (target of 4-5 launches every year), and sales ramp-up in existing molecules;
- Product launches in the domestic market (seven new launches in FY23 and targets five launches in FY24);
- The recent acquisition in the pharma API and CDMO space, which is expected to be one of the key growth pillars for the company in the future by creating a differentiated position in the pharma sector by leveraging its core competencies.
- We expect revenue/EBITDA/PAT CAGR of 23%/26%/25% over FY22-25E.
- The stock has traded at an average of 37x over the last three years on a one-year forward basis. We ascribe 36x P/E after considering the strong growth outlook for existing businesses and its acquisition in the pharma segment which adds up to the opportunity size PI currently caters to, providing a long runway for growth.
- We value the stock at 36x EPS (in line with its 3-year avg one-year forward P/E) to arrive at a TP of INR4,560. Maintain Buy.

Income Statement (Consolidated)									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Gross Revenue	23,833	23,087	28,409	33,665	45,770	52,995	64,920	85,211	98,706
Excise Duty	1,065	316	0	0	0	0	0	0	0
Net Revenue	22,768	22,771	28,409	33,665	45,770	52,995	64,920	85,211	98,706
Change (%)	8.6	0.0	24.8	18.5	36.0	15.8	22.5	31.3	15.8
Total Expenditure	17,236	17,837	22,645	26,487	35,648	41,571	49,499	64,389	74,296
EBITDA	5,533	4,934	5,764	7,178	10,122	11,424	15,421	20,822	24,410
Margin (%)	24.3	21.7	20.3	21.3	22.1	21.6	23.8	24.4	24.7
Depreciation	730	830	930	1,367	1,748	2,018	2,265	2,967	3,136
EBIT	4,802	4,104	4,834	5,811	8,374	9,406	13,156	17,855	21,274
Int. and Finance Charges	72	53	50	170	282	128	371	103	30
Other Income	366	603	595	489	1,249	1,014	1,590	1,349	1,875
PBT bef. EO Exp.	5,096	4,653	5,379	6,130	9,341	10,292	14,375	19,101	23,119
EO Items	0	0	0	0	0	0	0	0	0
PBT after EO Exp.	5,096	4,653	5,379	6,130	9,341	10,292	14,375	19,101	23,119
Current Tax	1,035	1,001	1,176	1,259	1,753	1,950	2,592	3,123	3,930
Deferred Tax	-534	-22	101	313	249	-60	-444	0	0
Tax Rate (%)	9.8	21.0	23.7	25.6	21.4	18.4	14.9	16.3	17.0
Less: MI/Profit & Loss of associates	1	-2	0	-8	-44	-36	-68	-79	-83
Reported PAT	4,594	3,676	4,102	4,566	7,383	8,438	12,295	16,057	19,272
Adjusted PAT	4,594	3,676	4,102	4,566	7,383	8,438	12,295	16,057	19,272
Change (%)	47.5	-20.0	11.6	11.3	61.7	14.3	45.7	30.6	20.0
Margin (%)	20.2	16.1	14.4	13.6	16.1	15.9	18.9	18.8	19.5
Balance Sheet (Consolidated)									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
	138	138	138	138	152.0	152.0	152.0	152.0	152.0
Equity Share Capital Total Reserves									
Net Worth	16,134	19,111	22,716	26,053	53,272	61,052	71,833	86,370	1,03,894
Deferred Liabilities	<b>16,272</b>	<b>19,248</b> 0	<b>22,854</b> 0	<b>26,191</b> 102	<b>53,424</b> 796	<b>61,204</b> 875	<b>71,985</b> 213	<b>86,522</b> 213	<b>1,04,046</b> 213
Total Loans	1,198	834	99	5,077	3,279	2,678	0	0	0
Capital Employed	17,470	20,082	<b>22,953</b>	31,370	57,499		<b>72,198</b>	86,735	1,04,259
Gross Block	12,942	14,298	17,109		28,921	64,757	37,877		51,505
				24,366		34,082		46,505	
Less: Accum. Deprn.	3,492	4,322	5,252	6,619	8,367	10,385	12,650	15,617	18,753
Net Fixed Assets	<b>9,450</b> 0	9,977	11,857	17,747	20,554	23,697	25,227	30,889	32,752
Goodwill on Consolidation		0	1 929	1 020	2 975	1 1 1 1 5	1 224	3,891	4,233
Capital WIP	773	899	1,828	1,828	2,875	1,145	1,324	5,000	3,500
Current Investments	824	1,595	1,119	1,325	8,517	8,547	9,843	10,843	11,843
Total Investments	833	1,607	1,291	1,504	8,724	8,995	10,156	11,156	12,156
Curr. Assets, Loans&Adv.	11,760	13,515	16,431	21,169	37,866	44,074	48,090	53,322	71,999
Inventory	4,320	4,520	5,357	7,989	10,528	14,234	13,976	18,443	21,364
Account Receivables	4,237	5,268	6,618	6,465	7,035	8,687	7,720	12,840	14,874

9 October 2023 18

1,326

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5,544

2,878

2,350

6,216

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316

198

1,307

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7,333

20,082

340

267

892

3,564

8,595

5,130

3,049

7,836

22,953

416

141

1,342

5,373

5,909

4,421

10,291

31,370

548

0

10,878

14,757

12,520

7,960

4,008

25,346

57,499

552

0

5,546

14,102

7,051

13,154

9,242

3,555

30,920

64,757

357

0

22,429

12,599

8,380

3,838

35,491

72,198

381

0

3,965

14,370

7,669

17,524

11,348

5,794

35,799

381

0

86,735 1,04,259

26,878

8,884

20,382

13,289

51,617

6,712

381

0

Cash and Bank Balance

Loans and Advances

**Account Payables** 

**Net Current Assets** 

**Deferred Tax assets** 

**Appl. of Funds** 

**Provisions** 

Curr. Liability & Prov.

Other Current Liabilities

# **Financials and valuations**

Ratios									
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
Basic (INR)									
EPS	30.2	24.2	27.0	30.0	48.6	55.5	80.9	105.6	126.8
Cash EPS	35.0	29.6	33.1	39.0	60.1	68.8	95.8	125.2	147.4
BV/Share	107.1	126.6	150.4	172.3	351.5	402.7	473.6	569.2	684.5
DPS	3.6	5.0	3.6	3.6	5.0	5.0	10.0	10.0	11.5
Payout (%)	14.6	25.1	16.4	14.7	10.3	9.0	12.4	9.5	9.1
Valuation (x)									
P/E	113.1	141.4	126.7	113.9	70.4	61.6	42.3	32.4	27.0
Cash P/E	97.6	115.4	103.3	87.6	56.9	49.7	35.7	27.3	23.2
P/BV	31.9	27.0	22.7	19.8	9.7	8.5	7.2	6.0	5.0
EV/Sales	22.8	22.8	18.3	15.6	11.1	9.6	7.7	5.9	5.0
EV/EBITDA	93.9	105.3	90.0	72.9	50.2	44.5	32.3	24.3	20.2
Dividend Yield (%)	0.1	0.1	0.1	0.1	0.1	0.1	0.3	0.3	0.3
FCF per share	14.4	10.9	1.7	2.1	18.9	12.7	77.3	-10.2	102.8
Return Ratios (%)									
EBITDA Margins (%)	24.3	21.7	20.3	21.3	22.1	21.6	23.8	24.4	24.7
Net Profit Margins (%)	20.2	16.1	14.4	13.6	16.1	15.9	18.9	18.8	19.5
RoE	32.8	20.7	19.5	18.6	18.5	14.7	18.5	20.3	20.2
RoCE	30.4	19.8	19.2	17.3	17.2	14.1	18.5	20.3	20.2
RoIC	32.3	21.0	20.9	18.9	22.8	21.4	28.4	31.6	29.9
Working Capital Ratios									
Fixed Asset Turnover (x)	1.8	1.6	1.7	1.4	1.6	1.6	1.7	1.8	2
Asset Turnover (x)	1.3	1.1	1.2	1.1	0.8	0.8	0.9	1.0	0.9
Inventory (Days)	69	72	69	87	84	98	79	79	79
Debtor (Days)	65	83	85	70	56	60	43	55	55
Creditor (Days)	90	115	121	117	113	115	86	90	90
Working Cap. Turnover (Days)	78	97	89	97	84	116	73	92	91
Growth (%)									
Sales	8.6	0.0	24.8	18.5	36.0	15.8	22.5	31.3	15.8
EBITDA	28.3	-10.8	16.8	24.5	41.0	12.9	35.0	35.0	17.2
PAT	47.5	-20.0	11.6	11.3	61.7	14.3	45.7	30.6	20.0
Leverage Ratio (x)									
Current Ratio	2.1	2.2	1.9	1.9	3.0	3.4	3.8	3.0	3.5
Interest Cover Ratio	67	77	97	34	30	73	35	173	709
Debt/Equity	0.1	0.04	0.00	0.2	0.1	0.0	0.0	0.0	0.0
, , ,									
Cash Flow Statement (Consolidated)									(INRm)
Y/E March	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24E	FY25E
OP/(Loss) before Tax	5,095	4,655	5,379	6,138	9,385	10,328	14,443	19,101	23,119
Depreciation	730	830	930	1,367	1,748	2,018	2,265	2,967	3,136
Interest & Finance Charges	72	53	50	170	282	128	371	103	30
Direct Taxes Paid	-1,212	-963	-1,183	-1,048	-1,647	-1,751	-2,558	-3,123	-3,930
(Inc)/Dec in WC	-1,234	-1,045	-1,503	255	-1,303	-5,276	2,050	-8,366	-3,311
CF from Operations	3,451	3,530	3,673	6,882	8,465	5,447	16,571	10,681	19,045
Others	-63	-336	235	99	-1,216	-160	-1,557	79	83
CF from Operating incl EO	3,388	3,194	3,908	6,981	7,249	5,287	15,014	10,760	19,128
(inc)/dec in FA	-1,413	-1,696	-3,677	-6,693	-4,375	-3,362	-3,263	-12,305	-3,500
Free Cash Flow	1,976	1,498	231	288	2,874	1,925	11,751	-1,544	15,628
(Pur)/Sale of Investments	-1,090	-375	427	1,014	-5,516	39	-941	-4,891	-1,342
Others	151	266	34	-4,170	-14,413	2,219	-758	0	0
CF from Investments	-2,351	-1,805	-3,216	-9,849	-24,304	-1,104	-4,962	-17,196	-4,842
Issue of Shares	0	0	0	0	19,736	0	0	0	0
Inc/(Dec) in Debt	-248	-365	-399	4,562	-1,786	-720	-2,669	0	0
Interest Paid	-72	-53	-50	-179	-244	-85	-342	-103	-30
Dividend Paid	-248	-662	-831	-748	-607	-758	-1,137	-1,520	-1,748
Others	297	-329	173	-317	13,371	-3,275	2,423	0	0
CF from Fin. Activity	-271	-1,409	-1,107	3,318	30,470	-4,838	-1,725	-1,623	-1,778
Inc/Dec of Cash	766	-20	-415	450	13,415	-655	8,327	-8,059	12,508
Opening Balance	560	1,326	1,307	892	1,342	14,757	14,102	22,429	14,370
Closing Balance	1,326	1,307	892	1,342	14,757	14,102	22,429	14,370	26,878
	-,	,		,	,	,	,	,	

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

# NOTES

Explanation of Investment Rating						
Investment Rating	Expected return (over 12-month)					
BUY	>=15%					
SELL	<-10%					
NEUTRAL	< - 10 % to 15%					
UNDER REVIEW	Rating may undergo a change					
NOT RATED	We have forward looking estimates for the stock but we refrain from assigning recommendation					

\*In case the recommendation given by the Research Analyst is inconsistent with the investment rating legend for a continuous period of 30 days, the Research Analyst shall be within following 30 days take appropriate measures to make the recommendation consistent with the investment rating legend

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Glicvarice redicasar ocii.		
Contact Person Contact No.		Email ID
Ms. Hemangi Date	022 40548000 / 022 67490600	query@motilaloswal.com
Ms. Kumud Upadhyay	022 40548082	servicehead@motilaloswal.com
Mr. Ajay Menon	022 40548083	am@motilaloswal.com

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