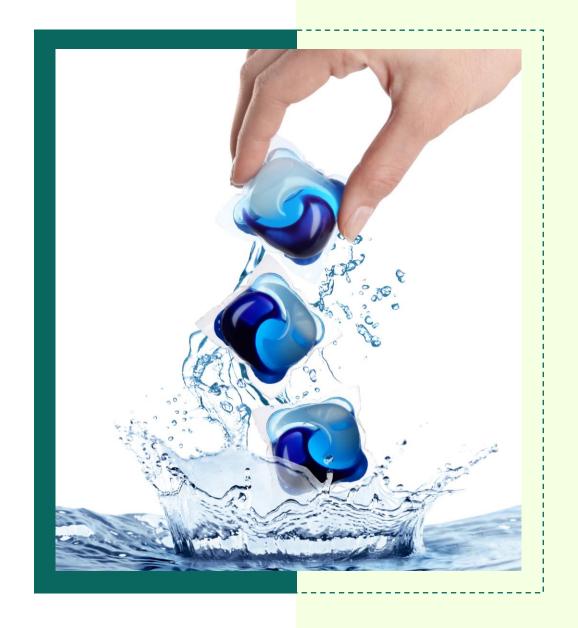


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- **30** Financials Overview



SAFE HARBOR



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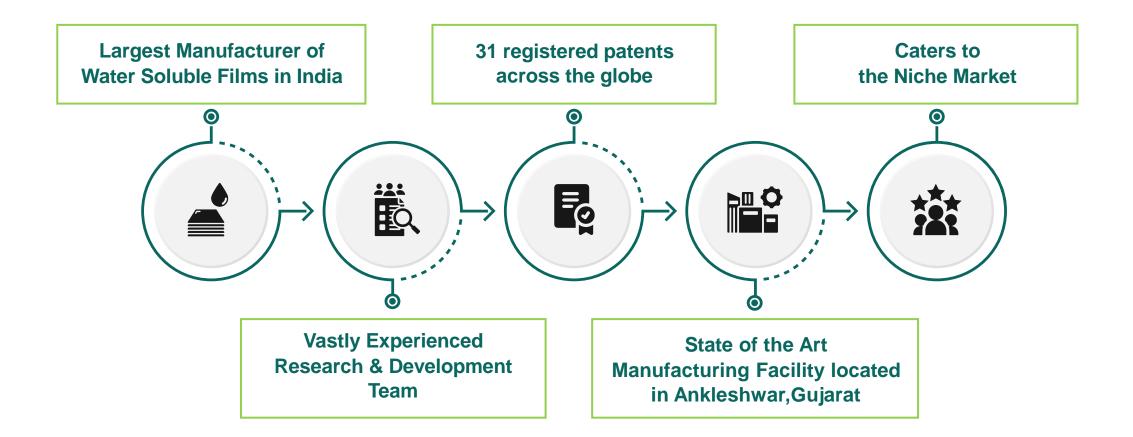


ABOUT
THE COMPANY



ARROW GREENTECH IN A SNAPSHOT...





EXPERIENCED BOARD OF DIRECTORS





Mr. Shilpan P. Patel

Chairman & M.D



Mr. Neil Patel

Jt. Managing Director



Mr. Haresh Mehta

Independent Director



Mr. Harish Mishra

Independent Director



Mr. Dinesh Modi

Independent Director



Mrs. Jigisha Patel

Non-Executive Non-Independent Woman Director



Mr. Prashant Mehta

Additional Independent Director



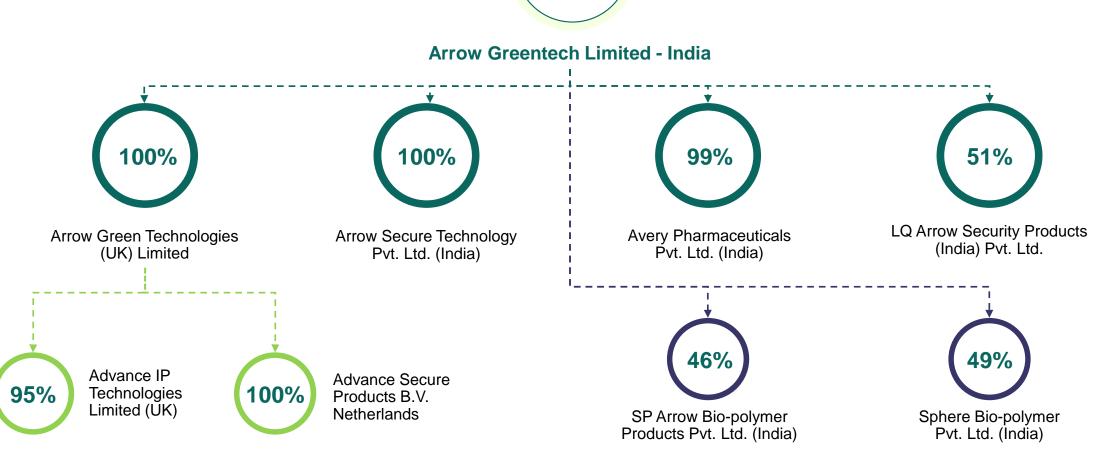
Mrs. Barkharani Nevatia

Additional Independent Director

CORPORATE STRUCTURE







BUSINESS OVERVIEW



1 WSF	Development, Production & Marketing of Wide Range of Water Soluble Films
2 Intellectual Property	Total of 31 granted patents across the World across all key business verticals of paper and packing industry, Security products, Health, Hygiene & Food and Printing & PSA Materials
3 Security Products	Security products include Anti-counterfeit security thread for high security papers, brand protection technologies etc.
4 Avery Pharma	A 100% wholly-owned subsidiary of Arrow Greentech Limited, the company is committed to the cause of enhancing patient outcomes with a novel approach to oral drug administration, via its Mouth Dissolving Strips (MDS)
5 Other	The other segments include Klenz Pro and BioPlast. KlenzPro: The most concentrated range of hygiene products which are supplied in water-soluble capsules, without generating plastic waste Bioplast: The bio-compostable film is an eco-friendly alternative to replace single-use plastic for our



WATER SOLUBLE FILM (WSF)



WHAT IS WATER SOLUBLE FILM (WSF)?



Packaging material that is environmentally safe & fully biodegradable when disposed in water.

Arrow manufactures water soluble PVA / PVOH (Poly Vinyl Alcohol) film by solution casting. Casting machines are custom built

Properties of WSF

- Optimum Tensile Strength
- Flexibility for using in multiple forms of packaging
- Excellent Moisture/Heat Sealing
- Eco-friendly



Watersol is the trademark product of Arrow Greentech Ltd.

Applications of WSF

1. Eco Friendly Packaging

(Agrochem Packaging, Detergent Packaging, other Primary Packaging)

2. Industrial Consumables

(Mould release, Embroidery, etc.)

3. Printing

(Hydrographic / Hydro dipping)

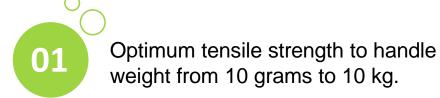
- 4. Laundry Bags
- 5. Dust Protection film
- 6. Other Applications

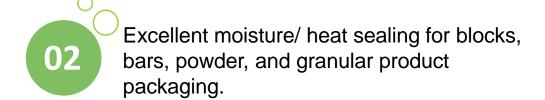
(Battery separator, active embedded film, anti counterfeit film)

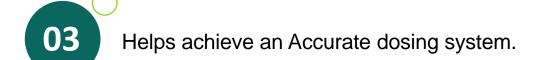
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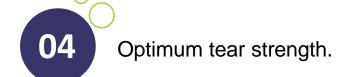
FEATURES

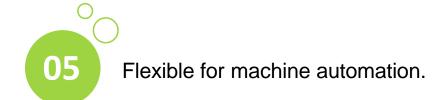


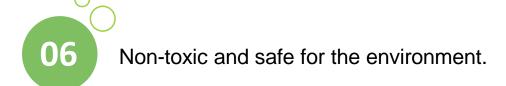


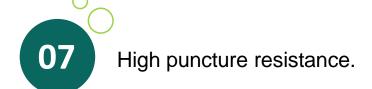


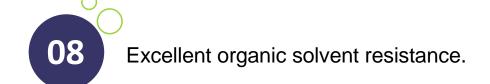






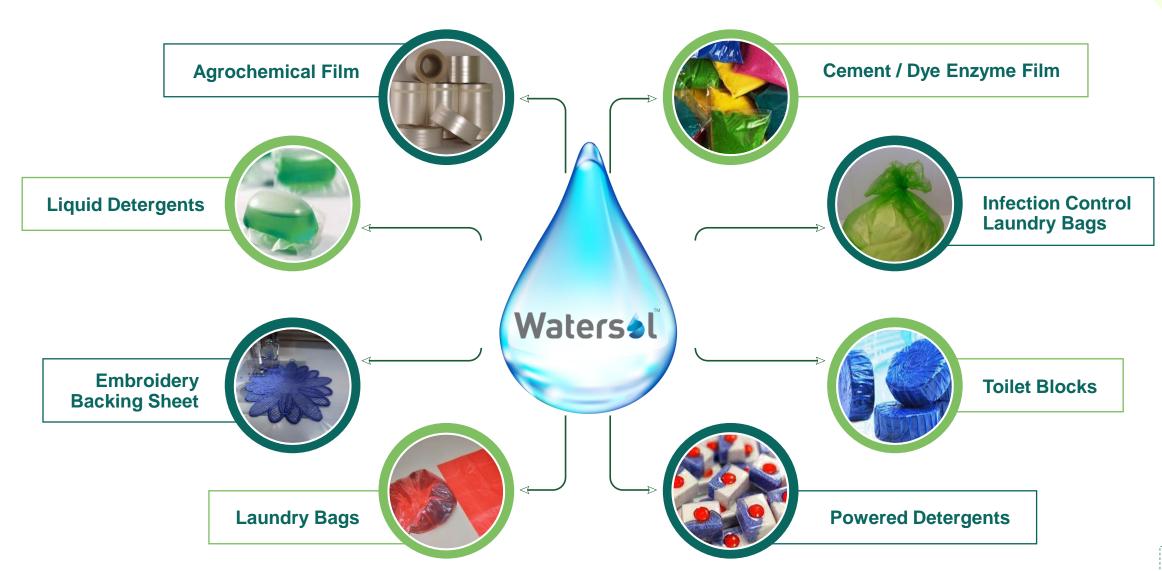






USE OF WATER-SOLUBLE FILM





WATER SOLUBLE FILMS (WSF) INDUSTRY SNAPSHOT













The burgeoning packaging industry, increasing demand for small or unit dose packs for household items, and the growing concerns for protecting industrial workers from coming in direct contact with hazardous materials represent some of the key factors driving the market.



Source: IMARC Research

STATE OF THE ART MANUFACTURING FACILITIES



ANKLESHWAR, GUJARAT

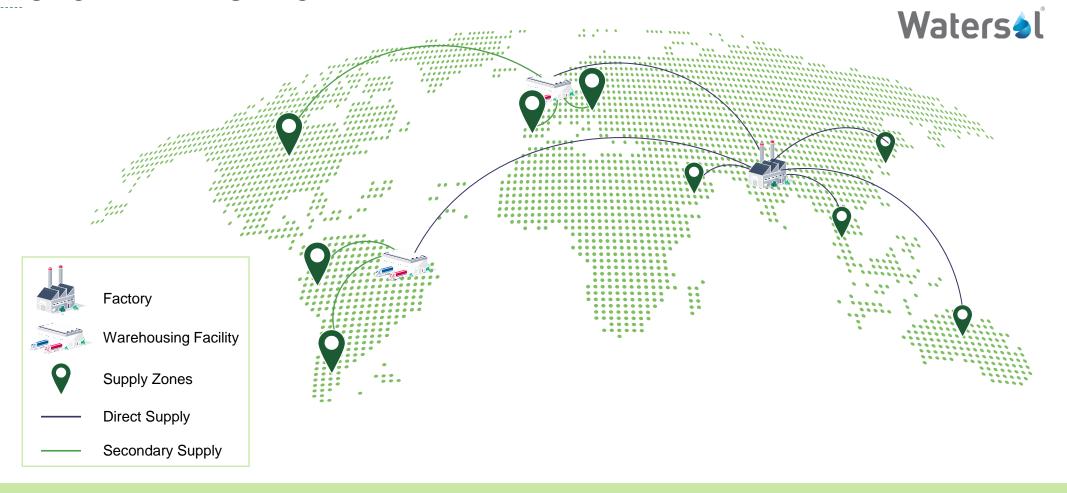
- ✓ ~ 350 Km far from Mumbai
- ✓ Land on 99 years renewable lease from GIDC
- ✓ R&D Centre with Modern Equipments
- Common Utilities available for future expansion



Company acquired ~3 acre land at Dahej-II Industrial Estate on lease for the expansion of manufacturing activities in Greentech Segment. The company expects completion of the first phase of expansion within around 18 months.

GLOBAL PRESENCE





- Presence in Europe, Asia, North & South America and Africa mainly
 3 supply points located in India, United Kingdom and South America
- Wide Distribution channel to service our clients from around the world



INTELLECTUAL PROPERTY



INTELLECTUAL PROPERTY





31 Patents granted across Globe including the India, UK, USA, South Africa, Europe, Eurasia and Russia



Our inhouse R&D and IP team is continuously working on new innovation and patents



Monetization of key patents through outlicensing of patents and production of patented products



Patent filed in the area of security products, brand protection, security papers, security films, self adhesive material, healthcare, biocompostable material etc.



State of Art R&D Lab and IP cell in Mumbai



Innovation is focused on green and hightech products



24 Indian patent applications and 7 foreign patent applications under process covering various sectors and geographies.

ARROW'S INTELLECTUAL PROPERTY



1. Granted Patents:

Arrow Greentech Limited at present has 31 granted patents globally covering the territories of – India, UK, USA, South Africa, Europe, Eurasia and Russia

2. Patent Applications:

Arrow Greentech Limited also has 28 Indian patent applications and 8 foreign patent applications under process covering various sectors, through mainly covering Water-Soluble Films and Security Section.

3. Trademarks:

Arrow Greentech Limited has 32 in-force registered Trademarks along with 11 Trademark application currently under processing.

Group 1 – Paper and Packing Industry

High strength paper and process of manufacture			ess of	_	security pape ss of manufa		Self destructive irreversible security security film security film said me			rity film a	nd high uced by the	Bio-Compostable Multi-Layered composite and methods of manufacturing the Same		
India (23.09.09)	South Africa (28.10.09)	United States (22.11.11)	India (30.10.23)	Russia (20.01.11)	Europe (13.09.17)	India (03.01.18)	India (21.01.09)	Eurasia (30.12.09)	Europe (05.05.10)	United States (23.08.2016) (Div) (07.12.21)	United States (29.05.12)	Europe (15.08. 12)	India (31.10.18)	India (10.01.24)

Group 2 - Packaging Industry

Packagin	Packaging Material		High strength paper and process of manufacture			Self destructive irreversible security packaging film				A biodegradable, multilayered film and a package made thereof		Edible water soluble packaging film and package made out of the said film	
India (07.11.08)	South Africa (27.05.09)	India (23.09.09)	South Africa (28.10.09)	United States (22.11.11)	India (30.10.23)	India (21.01.09)	Eurasia (30.12.09)	Europe (05.05.10)	United States (23.08.16) (Div) (07.12.21)	India (14.06.12)	India (10.01.24)	India (05.06.12)	India (12.12.23)



Group 3 – Security Products

									3			5	
High security paper and process of manufacture				Self destru	uctive irreversib	Method of producing a high security film and high security film produced by the sai method				Bio Degradable Smart Cards	Security Yarn		
Russia (20.01.11)	Europe (13.09.17)	India (03.01.18)	UK (24.01.24)	India (21.01.09)	Eurasia (30.12.09)	Europe (05.05.10)	United States (23.08.16) (Div) (07.12.21)	United States (29.05.12)	Europe (15.08.12)	India (31.10.18)	India (21.08.17)	India (08.09.23)	

Group 4 – Health, Hygiene & Food

Packagin	g Material	Edible water soluble packaging film and package made out of the said film		film based matrix to acted from living sp		Water Soluble Drug delivery system	A Cleaning Device with Sustained Release of Actives
India (07.11.08)	South Africa (27.05.09)	India (05.06.12)	India (27.03.12)	Europe (24.07.13)	USA (18.03.14)	United Kingdom	India (01.02.23)

Group 5 – Printing and PSA Materials

Substrate for ink jet printing with hydrophobic solvent based ink Wide format printed graphics without release liner		Self adhes	ive materials with a	Self Adhesive Wall Paper with Reduced Adhesive Material and Water Soluble Film		
India (09.04.07)	India (27.12.10)	South Africa (1.12.08)	India (28.12.10)	United States (09.11.10)	India (30.10.23)	India (16.03.23)

Key Granted Patents across the Globe





Health

- Mouth Melting strips, Gel strips, Enzyme strips,
- Vitamins, Drugs, Medicine, Disinfectants and other Pharma ingredients
- For clinical setting like blood, serum, urine testing etc.

Hygiene

 Used to add Active ingredients of Detergents, Softeners, Cleaning Laundry, Dishes, Floorings, Walls, Furnitures and other cleaning agents that are retained and remained intact for a longer time

Packaging

- Used in agronutrients such as fertilizers, urea, agrochemicals etc.
- Used for packaging for food products, liquid cement, shopping bags etc. or other biodegrable material

Security

- Used in making security labels or secure packaging of the products for identification
- Used in manufacturing of security documents such as cheques, bank notes, passport papers etc.

Printing

- Used for printing sarees, net or perforated cloth
- Used for printing paper, vinyl
- Used in printing of hoardings, one-way vision films

Self-Adhesive

 Used in making labels for product identification and/or advertising etc.

Key Granted Patents across the Globe





Region	India	South Africa	Europe	USA	UK	Eurasia	Russia
No. of Patents Granted	15	3	5	5	1	1	1



SECURITY PRODUCTS



SECURITY PRODUCTS

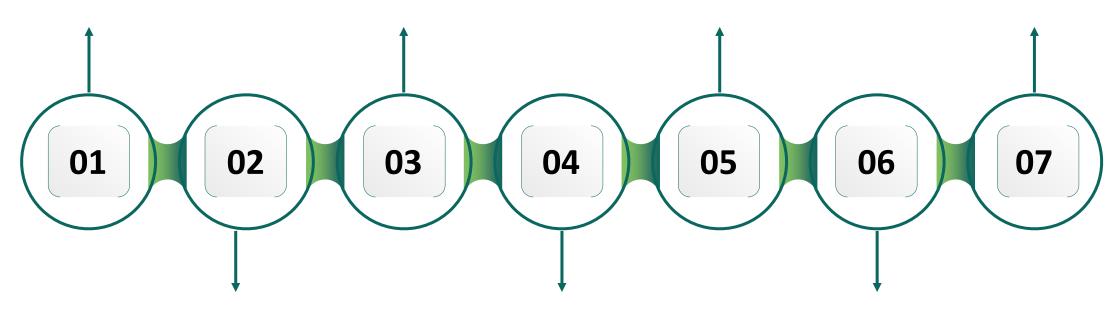


Manufacturing of anti-counterfeit products, security threads for use in bank note papers or other security papers, brand protection etc.

Supplier to leading paper mills

Part of the niche group supplying such products globally

100% indigenous technologies & fully integrated technologies



State of Art Manufacturing facility with inhouse R&D centre

Proprietary technology

Dealing in supply of various raw materials



ARROW RX



ARROW RX





- 01 Avery Pharmaceuticals Pvt Ltd is 100% Subsidiary company of Arrow Greentech Limited
- 02 Manufacturing of Mouth Dissolving Strips (Pharmaceuticals & Nutraceuticals)
- WHO GMP approved manufacturing facility with state of art plant & machinery and in-house product development center in Sanand (Gujarat)
- Product Approval from Food and Drug Controller Administration (FDCA) and Central FSSAI License received for approx. 40 products including new products i.e. Sildenafil, Ondansetron, Amoldipine, Vitamin D3, Vitamin B12, Vitamin K2, Vitamin B3, Folic Acid, Iron, Zinc strips, Nicotine, Curcumin+Piperine etc.
- 05 Who-GMP, FSSAI, GLP, ISO 9001 and ISO 22000 certified facility
- DESCRIPTION DESCRIPTION OF CASTING OF FILM AND EMBEDDING VARIOUS APIS
- 07 Commercial production began in August 2022
- Long-term contract signed with big MNC company for export markets
- 109 In discussion with various domestic and international companies for long-term supply contract
- The company is also undertaking CDMO (Contract Development and Manufacturing Organization) services and recently completed a project for a client, marking a significant milestone and showcasing the company's unparalleled expertise and innovation

PRODUCT DEVELOPMENT & APPROVALS





List of FASSAI Products

SR No	Name of Product	Strength
1	Ascorbic Acid 40 mg and Zinc 10 mg Orally Disintegrating Strips	40mg+ 10mg
2	Ascorbic Acid 40 mg, Cholecalciferol 600 IU and Zinc 10 mg Orally Disintegrating Strips	40mg+ 600 IU+ 10mg
3	Ascorbic Acid Orally Disintegrating Strips 50 mg	50mg
4	Ashwagandha Orally Disintegrating Strips 100 mg	100mg
5	Caffeine Orally Disintegrating Strips 50 mg	50mg
6	Cholecalciferol and Vitamin K2 Orally Disintegrating Strips	600 IU+ 55mcg
7	Cholecalciferol Orally Disintegrating Strips 1000 IU	1000 IU
8	Cholecalciferol Orally Disintegrating Strips 2000 IU	2000 IU
9	Cholecalciferol Orally Disintegrating Strips 600 IU	600 IU
10	Cholecalciferol Orally Disintegrating Strips 800 IU	800 IU
11	Cholecalciferol, Vitamin K2 and Calcium Orally Disintegrating Strips	600 IU+ 55mcg+ 1000mg
12	Clove Orally Disintegrating Strips 8 mg	8mg
13	Curcumin 45 mg and Piperine 5 mg Orally Disintegrating Strips	45mg+ 5mg
14	Curcumin Orally Disintegrating Strips 100 mg	100mg
15	Cynocobalamin Orally Disintegrating Strips 1000 mcg	1000mcg
16	Cynocobalamin Orally Disintegrating Strips 1500 mcg	1500mcg
17	Cynocobalamin Orally Disintegrating Strips 500 mcg	500mcg
18	Folic Acid 400 mcg	400mcg
19	Folic Acid 500 mcg	500mcg
20	Food Grade Edible Film for Packaging	NA
21	Lactoferrin Orally Disintegrating Strips 10 mg	10mg

SR No	Name of Product	Strength
22	Lactoferrin Orally Disintegrating Strips 5 mg	5mg
23	Melatonin 10 mg and Valerian 3 mg Orally Disintegrating Strips	10mg+ 3mg
24	Melatonin 10 mg, HOPS 4 mg and Valerian 3 mg Orally Disintegrating Strips	10mg+ 4mg+ 3mg
25	Melatonin Orally Disintegrating Strips 0.5 mg	0.5mg
26	Melatonin Orally Disintegrating Strips 1 mg	1mg
27	Melatonin Orally Disintegrating Strips 10 mg	10mg
28	Melatonin Orally Disintegrating Strips 3 mg	3mg
29	Melatonin Orally Disintegrating Strips 5 mg	5mg
30	Vitamin B Complex Orally Disintegrating Strips	NA
31	Vitamin K2 Orally Disintegrating Strips 55 mcg	55mcg
32	Melatonin Strips	3mg
33	Vitamin B12 Strips	500 to 1500mcg
34	Vitamin D3 Strips	400 IU to 10,000 IU
35	Vitamin K2 Strips	200mcg
36	Vitamin K2+ D3 Strips	200mcg + 2000 IU
37	Vitamin B3 Oral Strips	75mg
38	B- Complex Strips	NA
39	Folic Acid Strips	400mcg
40	Astaxanthin Strips	10mg
41	Iron Strips	16mg
42	Zinc Strips	40mg

PRODUCT DEVELOPMENT & APPROVALS



Sr.no.	Name of Product	Strength	Grade
1	Sildenafil Citrate	25 mg	IP
2	Sildenafil Citrate	50 mg	IP
3	Ondensentron Hydrochloride Dihydrate	4 mg	IP
4	Ondansetron Hydrochloride Dihydrate	8 mg	IP
5	Amlodipine Besylate	5 mg	IP
6	Amlodipine Besylate	10 mg	IP
7	Sildenafil Citrate	25 mg	USP
8	Sildenafil Citrate	50 mg	USP
9	Ondansetron Hydrochloride Dihydrate	4 mg	USP
10	Ondansetron Hydrochloride Dihydrate	8 mg	USP
11	Vitamin D3 (Cholecalciferol)	2000 IU	IP
12	Vitamin B12 (Methylcobalamin)	1500 mcg	IP
13	Eliglustat Sublingual Film	12/16/20/24 mg	IH
14	Tadalafil	10/20 mg	USP
15	Nicotine Polacrilex	2/4 mg	USP





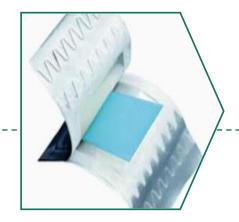
- Various other products are under development or approval phase
- Inhouse product development team is continuously working on new development and innovation

INVESTOR PRESENTATION FEBRUARY'24

ARROW RX







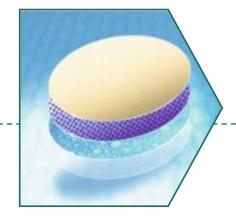
MDSTM Films - NDDS

- Mouth Dissolving Strips (MDS) Thin Films loaded with Actives for Drug Delivery
- Taken Orally and melts instantaneously in the mouth when placed on or under the tongue
- The active substance enters the bloodstream directly via the oral mucosa without having to pass through the gastrointestinal tract



Novel Drug Delivery Device -NDDD

- DDD contains Actives embedded within and/or coated upon Water Soluble or Water Dispersible Polymers
- The active ingredients are released at a precise – controlled rate from a readily soluble polymer into an aqueous environment through one or more perforated bio-digestible films, post which DDD dissolves overtime and is bio absorbed over time



RX Matrix

- Novel system of collecting and storing blood samples, urine samples, serum samples or any other type of samples extracted from living species to avoid cross infection or spillage of the samples
- It eliminates the problem of disposal of used containers
- Non contaminating container for collecting liquid and semi solid bio waste

ARROW RX





- Granted Patent for Actives Embedded Water Soluble film (WSF).
- ➤ One or more actives can be embedded or entrapped at selected concentrations and dispositions therein such that the material embedded can be delivered at precise and selected dosages to the point of application
- Arrow Trade Name MDS "Mouth Dissolving Strips"
- ➤ Drug gets delivered by three different routes i.e. Lingual, Sublingual and Buccal. The three different route offers benefits of Quick onset of action and sustained release of drug for any of the categories of patients especially, veterinary, psychosomatic, schizophrenic, pediatric and geriatric patients
- ➤ Identified various molecules to be embedded in WSF in first phase

Why Arrow MDS

- Quick dissolve, that help in quick reaction for drug
- Easy to intake.
- Suitable for patient population that fears choking such as pediatric geriatric patients and patients with nervous disorders.
- Do not require water intake
- Bitter drug can be flavoured
- Enables faster systemic absorption and bypass hepatic metabolism. hence improves bioavailability of drug.
- Reduces side effects as low in chemical combinations



FINANCIAL OVERVIEW



Consolidated Profit & Loss Statement



Particulars	Q3FY24	Q3FY23	YoY	Q2FY24	QoQ	9MFY24	9MFY23
Revenue from Operations	249	311	-19.8%	291	-14.5%	979	606
Other Income	6	1	NA	6	12.3%	19	11
Total Income	256	311	-17.9%	297	-13.9%	998	617
Cost of Goods Sold	95	148	-36.1%	107	-12.0%	398	348
Employee Expenses	32	32	1.3%	35	-7.4%	98	77
Other Expenses	49	47	5.8%	59	-16.2%	176	132
EBIDTA	73	84	-13.4%	90	-19.0%	307	49
EBIDTA Margins %	29.3%	27.1%	217 bps	30.9%	-164 bps	31.3%	8.1%
Depreciation	21	21	-1.4%	20	7.1%	58	49
EBIT	52	63	-17.5%	70	-26.3%	249	0.3
EBIT Margin %	20.8%	20.2%	59 bps	24.2%	-334 bps	25.4%	0.0%
Finance Cost	1	2	-54.5%	1	11.1%	3	8
РВТ	57	61	-6.5%	75	-23.8%	265	4
PBT Margin %	22.4%	19.7%	273 bps	25.3%	-290 bps	26.6%	0.6%
Tax	9	25	-66.0%	25	-65.3%	73	9
PAT	49	36	34.4%	51	-3.7%	193	-6
PAT Margins %	19.1%	11.7%	744 bps	17.1%	202 bps	19.3%	-0.9%
EPS	3.3	2.6	26.0%	3.4	-3.8%	12.8	-0.3

Consolidated Balance Sheet



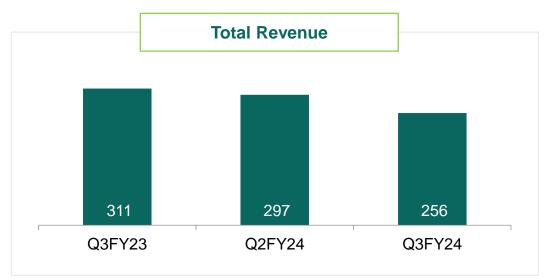
Particulars	Sept-23	Mar-23
Equities & Liabilities		
Equity Share Capital	151	151
Other Equity	960	831
Equity Attributive to Owners	1,111	982
Non Controlling Interest	20	21
Total Equity	1,131	1,003
Non-Current Liabilities		
Long-term Borrowings	2	9
Provisions	3	3
Lease Liabilities	8	9
Income Tax Liabilities (Net)	21	23
Total of Non-current liabilities	34	44
Current Liabilities		
Short Term Borrowings	14	13
Trade Payables	36	102
Other Financial Liabilities	71	40
Lease Liabilities	2	3
Provisions	4	3
Other Current Liabilities	4	7
Total Current Liabilities	132	168
Total Liabilities	166	212
Total Equity and Liabilities	1,297	1,215

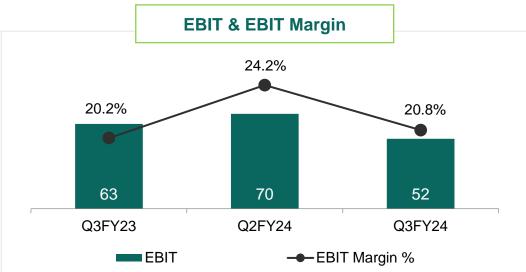
		113. 111 14111
Particulars	Sept-23	Mar-23
Assets		
Non-Current Assets		
Property, Plant & Equipment	345	335
Right of Use Assets	6	9
Capital Work In Progress	4	2
Investment Property	1	1
Other Intangible Assets	21	24
Intangible assets under development	11	10
Financial Assets		
Investments	4	4
Other Financial Assets	9	7
Deferred Tax Assets	54	46
Other Non-current Assets	11	10
Total Non-Current Financial Assets	466	447
Current Assets		
Inventories	235	150
Current Financial Assets		
Trade Receivables	219	263
Cash & Cash Equivalents	81	71
Bank Balance Other than (ii) above	211	218
Loans	0.4	0.1
Other Financials Assets	4	2
Other Current Assets	82	63
Total Current Assets	831	767
Total Assets	1,297	1,215

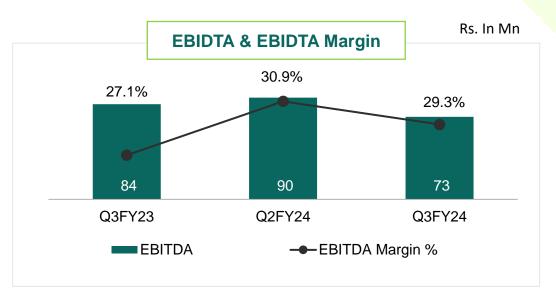
PRESENTATION FEBRUARY'24

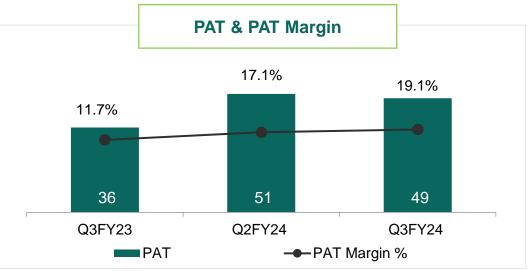
Quarterly Overview







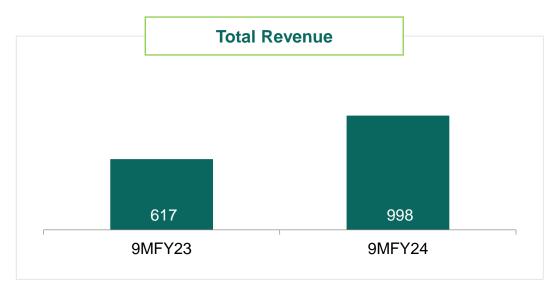


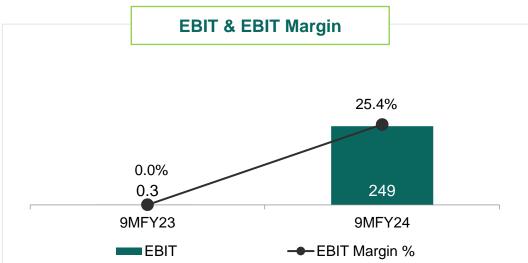


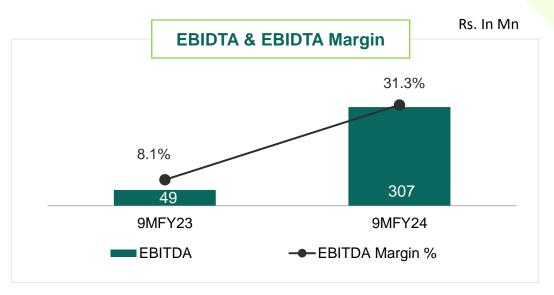
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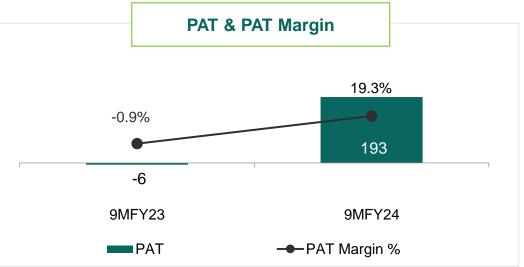
9 Months Overview







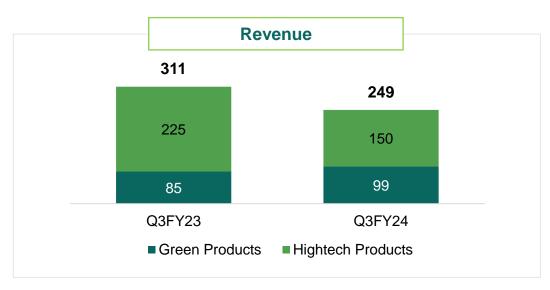


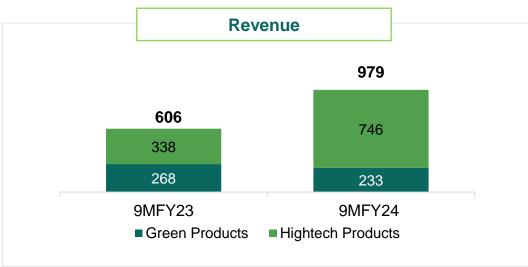


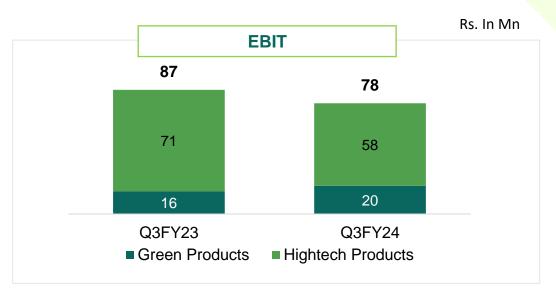
34

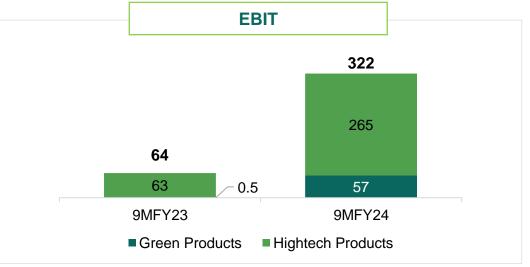
Segmental Break-up





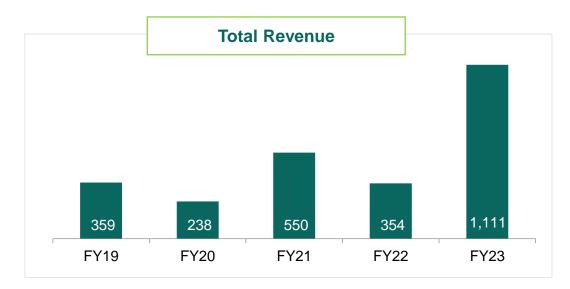


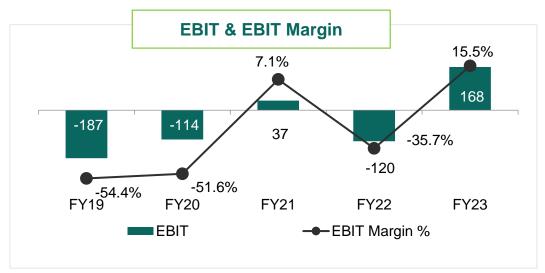


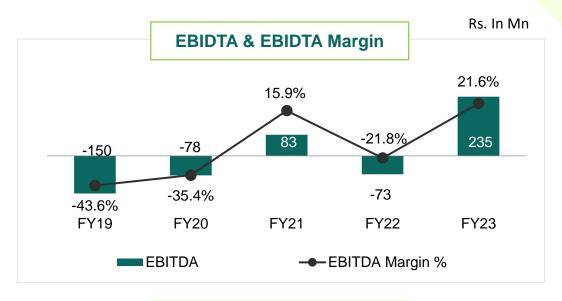


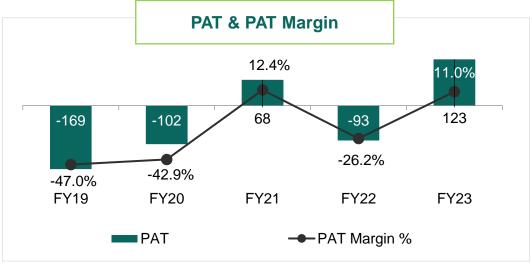
Yearly Overview







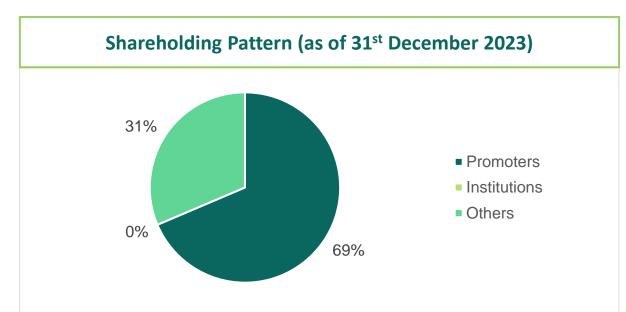




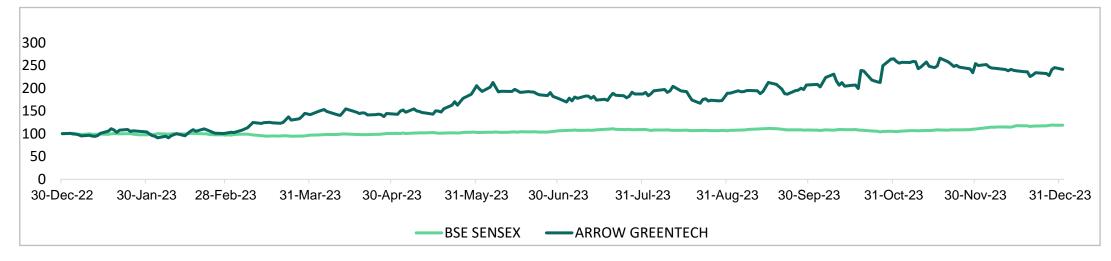
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Stock Information





Stock Information (as of 31st December 2023)		
Market Cap. (INR in crores)	667	
Stock Price (INR)	442	
52 Week (High / Low)	516 / 162	
Symbol (BSE) / (NSE)	516064 / ARROWGREEN	
Free Float (No. of Shares)	4,737,383	
Average Daily Volume (3months) - BSE	17,805	





THANK YOU



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