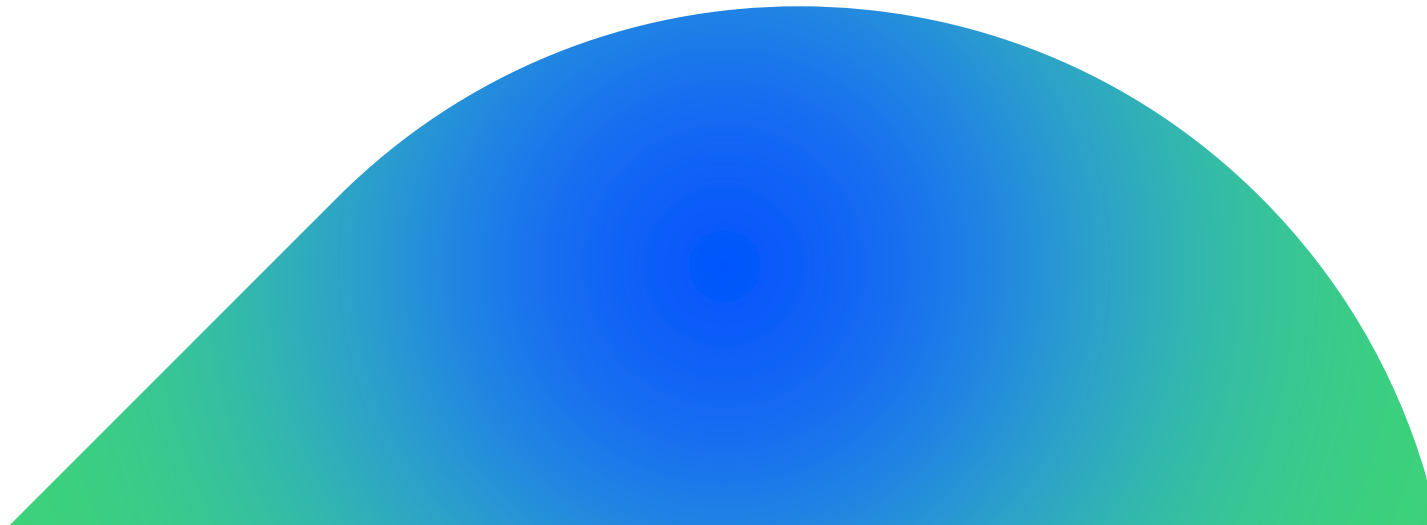




# Tagoor Laboratories Pvt Ltd

“Making a meaningful difference for better life”



# AGENDA



About us and our legacy



Our Capabilities



Quality Systems



Product Offerings



Why Work with us ?

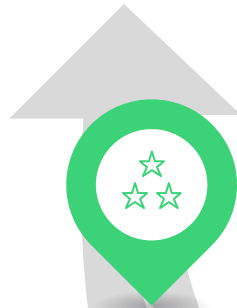


Esteemed Customers of  
Tagoor Labs

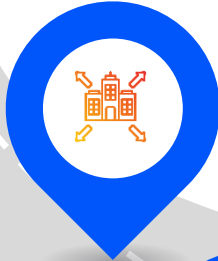


Current Status of Unit-IV

# Our Legacy



**2022**  
Unit-IV Tibro Oncology Unit



**2021**

- Unit-III Commissioning
- Second wave Capacity Expansion.

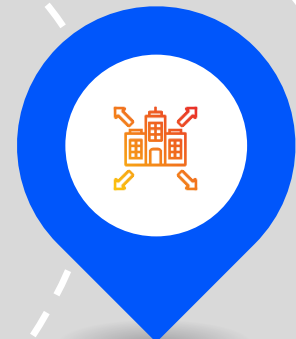


**2020**  
Entry into Covid Portfolio

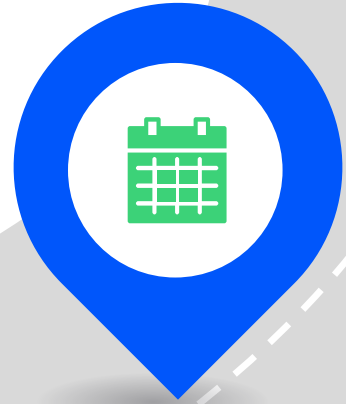


**2018**

- Unit-1 and 2 Commissioning



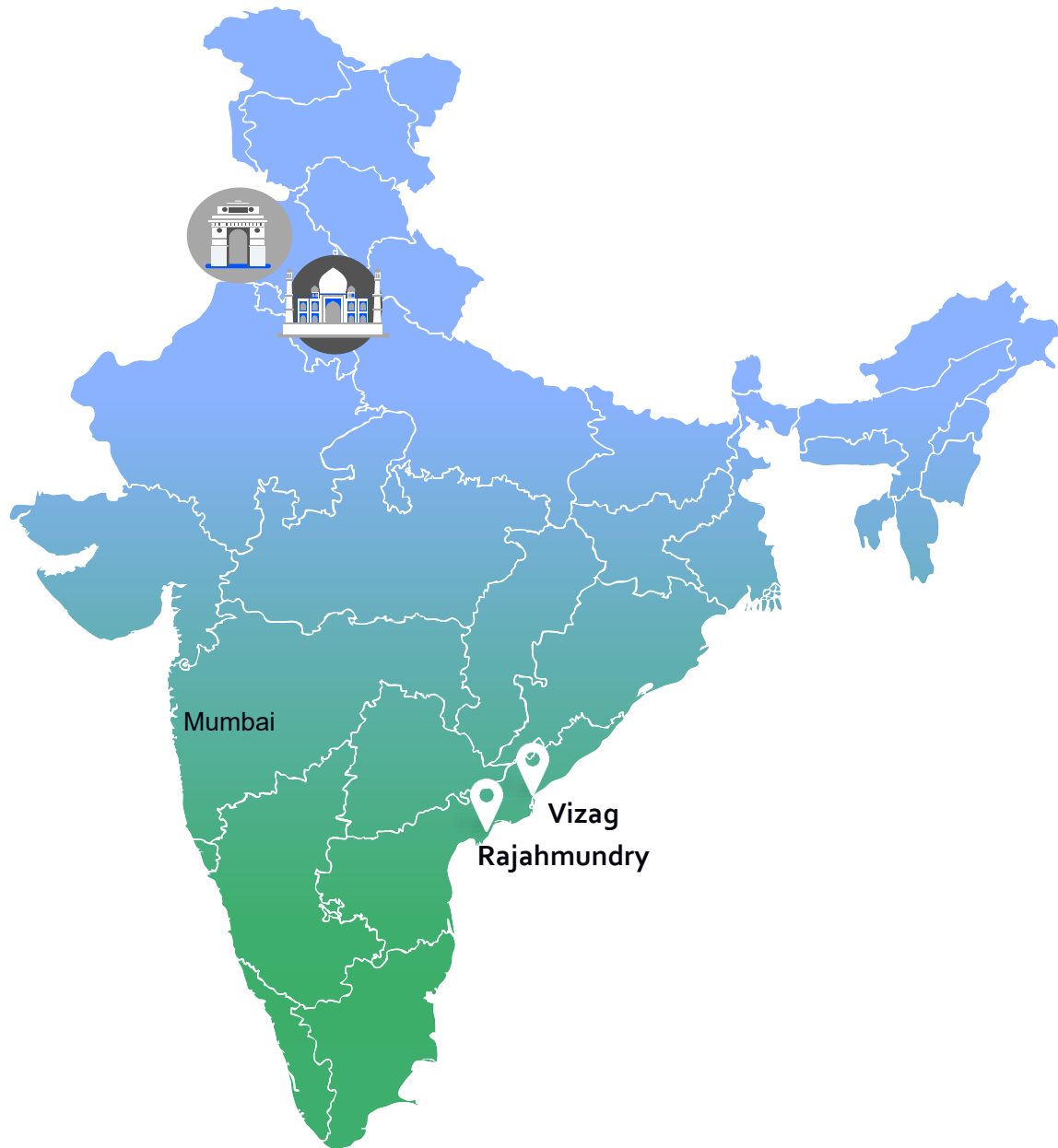
**2015**  
• In House first wave of Facility Expansion  
• E-Products



**2005**

- Inspection
- Exclusive Contract Manufacturing.

# Our Growth Journey



**U - 1**

Sy. No. 29, Tupakulagudem, Tallapudi Mandal,  
Andhra Pradesh, India  
(45 mins drive from Rajahmundry Airport).

**U - 2**

Sy. No. 32, Tupakulagudem, Tallapudi Mandal,  
Andhra Pradesh, India  
(45 mins drive from Rajahmundry Airport)

**U - 3**

JN Pharma city, Parawada, Visakhapatnam,  
Andhra Pradesh, India  
(30 mins drive from Vizag Airport)

**U - 4**

Sy. No.320-26, Bhimolu Village,  
Gopalapuram Mandal, East Godavari,  
Andhra Pradesh, India (45 mins drive from  
Rajahmundry Airport)

# Founders and Management

- More than 30 years experience in R&D, Technical and Operations
- Previously worked at Vasudha Pharmachem Pvt Ltd for 15 years
- Founder of several entrepreneurial firms and incepted Tagoor group

Tagoor Laboratories



Dr. P.V. Subramanyam Raju (Hon's)

*CHAIRMAN*

# Founders and Management

---

- Doctorate in Heterocyclic Chemistry from BITS – Pilani, Rajasthan, India.
- Published >25 articles and two reviews in internationally reputed journals
- Techno commercial acumen with over 10 years experience



Dr. P. Kasi Viswanadhraju  
Managing Director

# Founders and Management

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## DR. B.SSIVA REDDY

### MBBS MCH Neurosurgery

Further studies and work UK and Austria, United states , Switzerland 2004-2009

- He is a healthcare professional carrying more than two decades of experience in neurosurgery
  - He is currently heading both Health care team and management team of Citi Neuro Centre, Hyderabad a specialty hospital for neurological disorders which four branches
  - He has gained popularity among his peers due to his innovative ideas and strategies in the field of medicine.
  - Working closely with Government Advising on health care policy.
  - Whole time director at Tagoor labs for the last one year.
-



# UNIT-1 Overview





# UNIT – 2 OVERVIEW





## UNIT – 3 OVERVIEW





# Visakhapatnam facility (Unit-III)

“Elevating industries through innovation and excellence”



# Reaction Capabilities



**Friedel-Crafts  
reaction**



**Nitration**



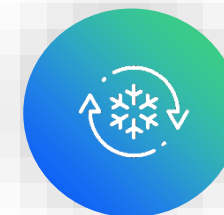
**Cyanation using  
sodium cyanide**



**Oxidation**



**Hydrogenations  
(Raney Nickel, Palladium)**



**Cryogenic reactions  
up to -80 °C**



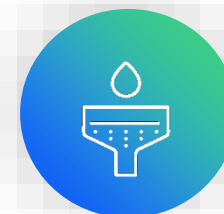
**Grignard reaction**



**Halogenations using  
liquid Bromine  
and Chlorine gas**



**Thermodynamic  
rearrangements  
at high temperatures  
(up to 280°C)**



**Liquid purification  
using high vacuum  
distillation**



**Carbon Disulfide  
handling reactions (CS<sub>2</sub>)**



# Manufacturing Capabilities

- ❖ **Module-based manufacturing with 12 production blocks across three manufacturing locations**
- ❖ **Ability to handle reactions from 100 L to >15000 L with a total capacity about 1500 KL**
- ❖ **250+ reaction vessels supported by filtration, drying and powder processing capabilities**
- ❖ **Another 200 KL with 60 reaction vessels are going to set up at Unit 4**
- ❖ **Utilities – Steam, Hot water, Hot oil, Chilled water, Cooling tower water, Vacuum, Compressed Air, Compressed Nitrogen, Purified water, Liquid Nitrogen etc.**
- ❖ **All the units have independent analytical capabilities with HPLC, UPLC , GC, IR, UV, Polari meter, Potentio-meter, KF titrator and Stability chambers.**
- ❖ **Operating conditions**
  - **Temperature: - 80 to 280° C**
  - **Pressure: 0.5 torr to 10 kg/cm<sup>2</sup>**
  - **Nitrogen and Air**
  - **Purified water**
  - **100% power backup**

# R&D Capabilities



- ❖ R&D capabilities in three locations: Hyderabad, Vizag, and Rajahmundry
- ❖ Over 50+ chemist and 2 doctorates working in process and analytical development, scale up, and technology transfer
- ❖ Pool of process chemistry, analytical chemistry, and chemical engineers involved in product development
- ❖ Well versed in process development, validation, analytical development, analytical validation, scale up and technology transfer
- ❖ Capability to handle diverse reactions
- ❖ Pilot plant to support scale-up studies

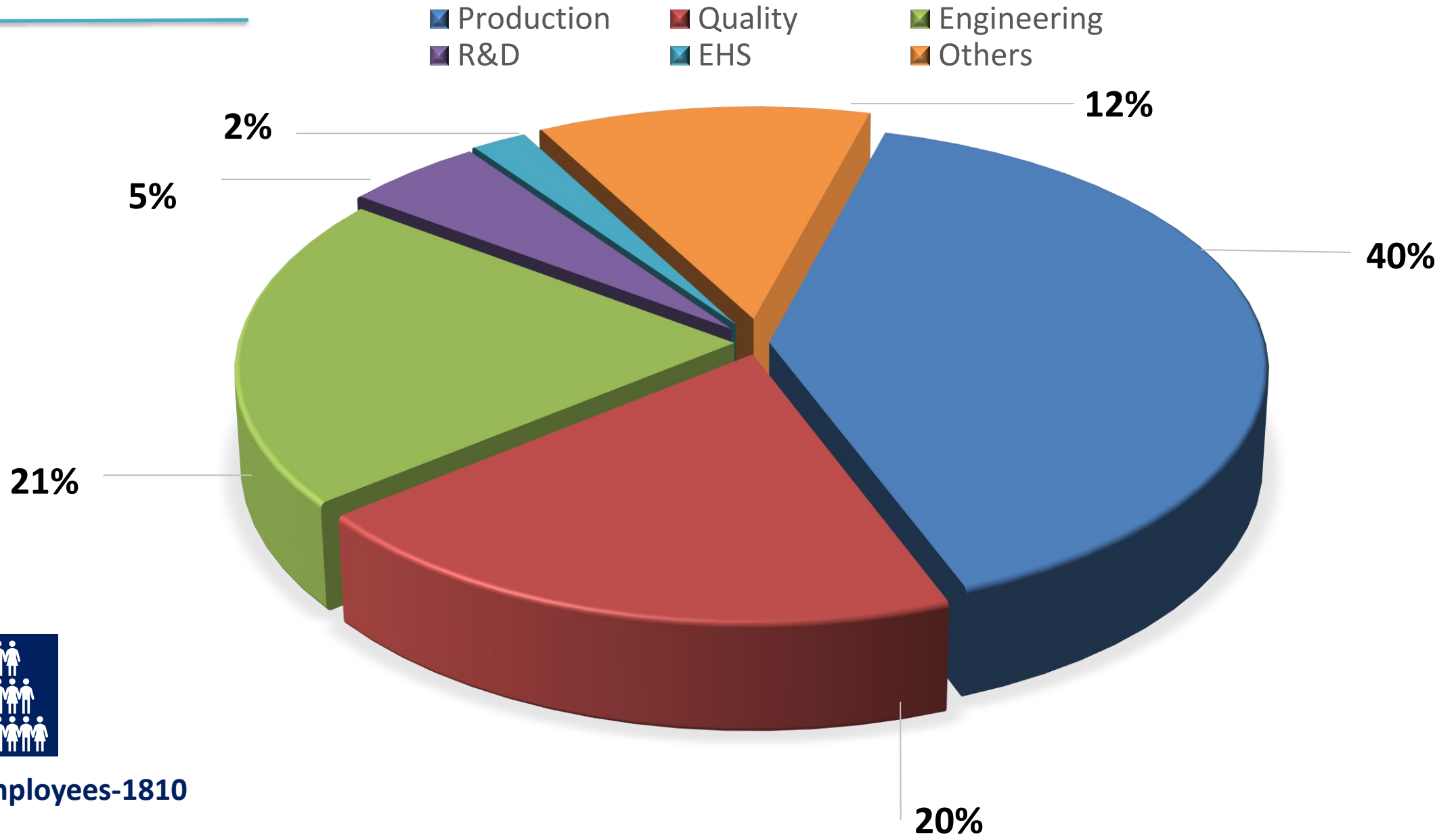


# Sustainable Environment Approach

- **Zero liquid discharge approach with an ability to treat up to 300 KLPD using Multiple Effect Evaporator(MEE) and Agitated Thin Film Dryer(ATFD). MEE @50KLD (2 nos.) and ATFD @40 m<sup>2</sup>(6 nos.)**
- **Solid wastes(ammonium sulphate, sodium nitrite etc.) are isolated and sold for fertilizer & other applications**
- **Scrubbers at the manufacturing areas to control fumes**
- **Forced ventilation system**



# People Asset



#Total Employees-1810



# Quality Assurance

Plant Layout



Issue, Control and Retrieval of SPO's & Specification

Documentation Review and approval



Issue, Control and Retrieval of BMR , Worksheets and Logbooks

Document Storage and Retrieval  
Control and retention of all Documents



Apex Manual [SMF and VMP

# Quality Systems

cGMP and Regulatory Compliance



Supplier Qualification and Self Inspection



Processes monitoring and batch release



QRM and CAPA

Product Compliance and recalls



Harmonization of Policies , procedure And Process



Stability Management and reserve Sample



Training and Development



Product Quality and Review



Change control, Deviations and OOs



# Facility Accreditations and Regulatory Approvals

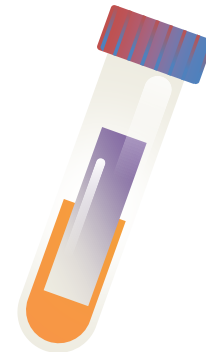
## ❖ WHO GMP and ISO – 9001: 2015 and ISO 14001 : 2015

## ❖ EU Written Confirmation : 7-5/2021/EU/WC-0494

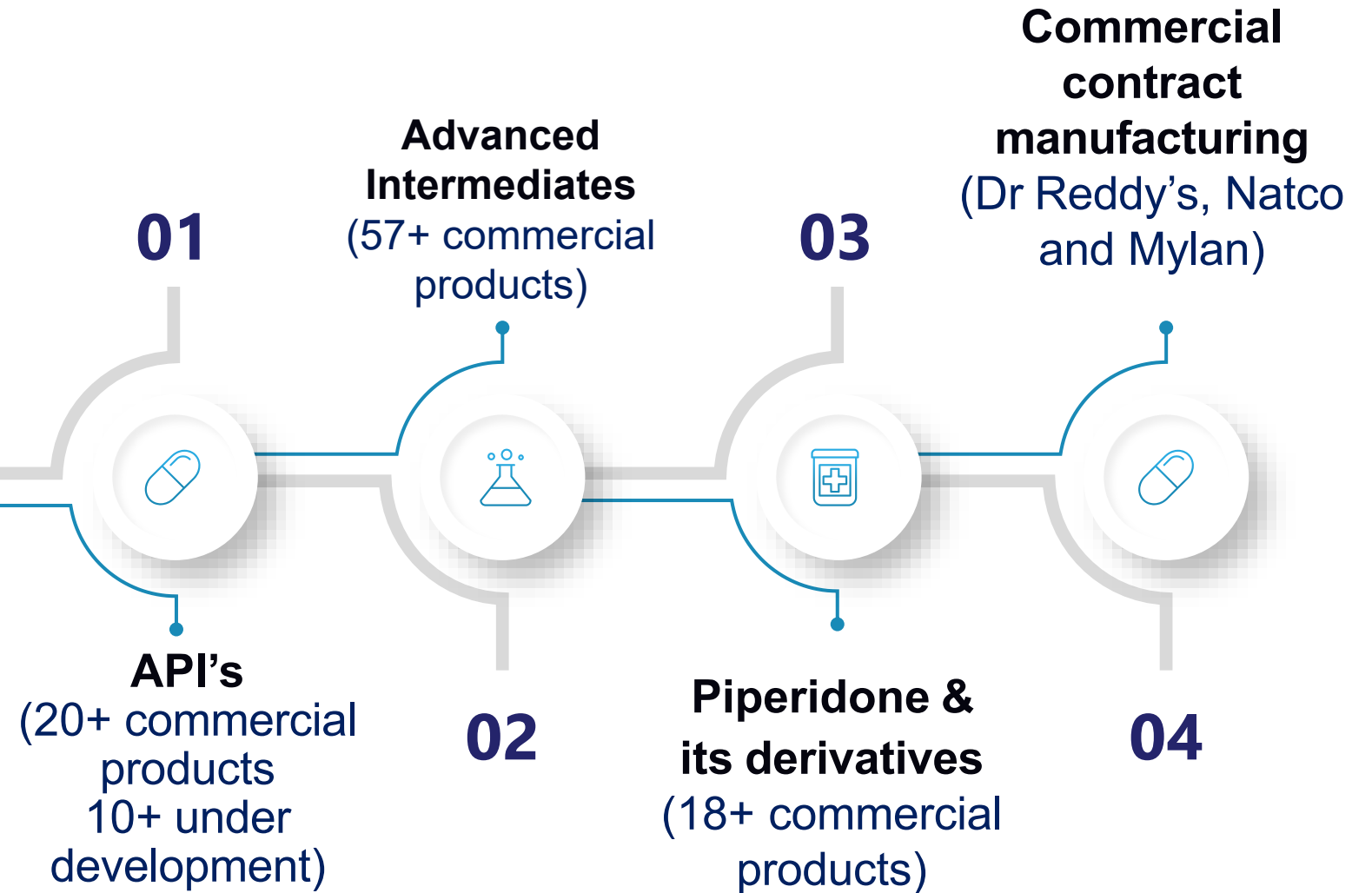
- 20 API's having WHO and 10 API's having EUWC certification

## ❖ CEP Filings

- 3 CEP's filed with EDQM, 2 CEP is under review
- 10 CEP's under process, target 6 months



# Our Offerings





# Commercial APIs

No.	Product	Category	DMF	USDMF	CEP	EU (Written Confirmation)
1	Pantoprazole Sod SH	Anti Ulcerative	√		Filed	√
2	Omeprazole		√			√
3	Esomeprazole Mag TH		√	Q4-2023	Q4-2023	√
4	Domperidone		√			√
5	Domperidone Maleate		√			√
6	Cyproheptadine HCL	Antihistamine	√			
7	Loratadine		√	Q1-2024	Filed	√
8	Desloratadine		√			
9	Fexofenadine HCL		√			
10	Rupatadine Fumarate					
11	Bilastine		√			
12	Alpha Lipoic acid	Antidiabetic Neuropathy	√	Q4-2023	Filed	
13	Vildagliptin	Antidiabetic	√			
14	Imatinib Mesylate	Anticancer	√			
15	Hydroxychloroquine Sulphate	Malaria and Rheumatoid arthritis	√			√
16	Loperamide HCL	Antidiarrheal	√			
17	Terbinafine HCL	Antifungal	√	Q1-2024	Q3-2023	√
18	Favipiravir	Antiviral	√			
19	Molnupiravir		√			
20	Losartan Potassium	Antihypertensive	√			√
21	Ivabradine Hcl	Cardiovascular	√			

# Commercial APIs

22	Ticagrelor	Antiplatelet	Tech Pack Available
23	Itraconazole	Antifungal	
24	Briveracetam	Anticonvulsants	
25	Edoxaban	Anticoagulant	
26	Nortriptyline	Antidepressant	
27	Dexlansoprazole	Anti Ulcerative	
28	Rabeprazole Sodium	Anti Ulcerative	
29	Vonoprazone	Anti Ulcerative	
30	Tofacitinib	Rheumatoid arthritis	
31	Amlodipine	Hypertension and cardiovascular	
32	Cabozantinib	Anti cancer	
33	Abiraterone Acetate	Anti cancer	
34	Empagliflozin	Antidiabetic	

# Advanced Intermediates

Sl.No	NAME OF THE INTERMEDIATE	CAS NO	RELATED API
<b>Antiulceratives</b>			
1	2-Chloromethyl-3,4-dimethoxypyridine HCl (Panto Chloro)	72830-09-2	Pantoprazole
2	5-Difluoromethoxy-2-mercapto-1-H-benzimidazole	97963-62-7	
3	5-(Difluoro methoxy)-2-[[[3,4 dimethoxypyridin-2-yl)methyl]thio]-1H-benzimidazole (Panto Sulfide)	102625-64-9	
4	2-Hydroxymethyl-3,5-dimethyl,4-methoxy pyridine (Ome hydroxy base)	86604-78-6	Omeprazole, Esomeprazole
5	2-Chloromethyl-3,5-dimethyl-4-methoxypyridine HCl (Ome Chloro)	86604-75-3	
6	5-Methoxy-2[[[4-methoxy-3,5-dimethyl-2-methylpyridyl]1H-thio benzimidazole (Ome Sulfide)	73590-85-9	
7	1-(3-Chloropropyl)-1,3-dihydro-2H-benzimidazol-2-one (DOM-II)	62780-89-6	Domperidone
8	5-Chloro-1-piperidine-4-yl-1,3-dihydro-2H-benzimidazol-2-one (DOM-IX)	53786-28-0	
9	2-Chloromethyl-3-methyl-4-(2,2,2-trifluoroethoxy)pyridine hydrochloride (Lanso Chloro)	127337-60-4	Lansoprazole, Dexlansoprazole
10	2-[3-Methyl-4-(2,2,2-trifluoroethoxy)-2-pyridylmethylthio]benzimidazole (Lanso Sulfide)	103577-40-8	

# Advanced Intermediates

Antihistamines			
11	2-Cyano-3-[2(3-chloro phenyl) ethyl]pyridine (L-5)	31255-57-9	Loratadine,
12	N-Methyl-4-chloropiperidine	5570-77-4	Desloratadine
13	8-Chloro-6,11-dihydro-11-(1-methyl-4-piperidinylidene)-5H-benzo[5,6]cyclohepta [1,2-b]pyridine (N-Methyl Desloratadine)	38092-89-6	Rupatadine
14	5-Methylnicotinic acid	3222-49-9	
15	3-(Chloromethyl)-5-methylpyridine hydrochloride	1007089-84-0	
16	2-(2-(4-(2-(4-(1-(2-ethoxyethyl)-1H-benzo[d]imidazol-2-yl)piperidin-1-yl)ethyl)phenyl)propan-2-yl)-4,4-dimethyl-4,5-dihydrooxazole	202189-77-3	
17	2-(1-(4-(2-(4,4-dimethyl-4,5-dihydrooxazol-2-yl)propan-2-yl)phenethyl)piperidin-4-yl)-1H-benzo[d]imidazole	202189-81-9	
18	2-[4-[1-(4,4-dimethyl-5H-oxazol-2-yl)-1-methylethyl] phenyl]ethyl 4-methylbenzenesulfonate	202189-76-2	
19	2-Ethoxyethyl-4-methylbenzenesulfonate	17178-11-9	Bilastine
20	2-Piperidin-4-yl-1H-benzoimidazole	38385-95-4	
21	Isonipectic acid/4-Piperidinecarboxylic acid	498-94-2	
22	Methyl isonipeccotate	2971-79-1	
23	Ethyl isonipeccotate	1126-09-6	
24	Alpha,alpha-Diphenyl-4-piperidinomethanol	115-46-8	
25	Methyl 2-(4-(4-chlorobutanoyl)phenyl)-2-methylpropanoate	154477-54-0	Fexofenadine
26	Methyl 4-[4-[4-hydroxydiphenylmethyl)-1-piperidinyl] 1-oxobutyl]-2,2-dimethyl phenyl acetate	154477-55-1	
27	2-(4-(Cyclopropanecarboyl)Phenyl)-2-Methylpropanoic Acid	162096-54-0	Cyclobenzaprine Hcl,
28	Dibenzosuberone	2222-33-5	Cyproheptadine Hcl

# Advanced Intermediates

Antidiabetic			
29	3-Aminoadamantan-1-ol	702-82-9	Vildagliptin
30	(S)-1-(2-Chloroacetyl)pyrrolidine-2-carbonitrile	207557-35-5	
Cardiovascular/Anticoagulant/Antiplatelet			
31	3-(3-Chloropropyl)-1,3-dihydro-7,8-dimethoxy-2H-3-benzazepin-2-one	85175-59-3	Ivabradine Hcl
32	7,8-Dimethoxy-1,3,4,5-tetrahydrobenzo[d]azepin-2-one	20925-64-8	

Cardiovascular/Anticoagulant/Antiplatelet			
33	7,8-Dimethoxy-1,3-dihydro-2H-3-benzazepin-2-one	73942-87-7	Ivabradine Hcl
34	4,5-Dimethoxy-1-cyanobenzocyclobutane	35202-54-1	
35	(1S)-4,5-Dimethoxy-1-[(methylamino)methyl]benzocyclobutane hydrochloride	866783-13-3	
36	tert-Butyl ((1R,2S,5S)-2-amino-5-(dimethylcarbamoyl)cyclohexyl)carbamate	365998-36-3	Edoxaban
37	5-Methyl-4,5,6,7-tetrahydrothiazolo[5,4-c]pyridine-2-carboxylic acid hydrochloride	720720-96-7	
38	2-[(5-Chloropyridin-2-yl)amino]-2-oxoacetic acid ethyl ester monohydrochloride	1243308-37-3	
39	4,6-dichloro-2-propylthiopyrimidine-5-amine	145783-15-9	Ticagrelor



# Advanced Intermediates

Oncology			
40	4-[(4-Methylpiperazin-1-yl)methyl]benzoic acid dihydrochloride	106261-49-8	Imatinib
41	4-[(4-Methylpiperazin-1-yl)methyl]-N-[4-methyl-3-[(4-pyridin-3-yl)pyrimidin-2-yl]amino]phenyl]benzamide (Imatinib base)	152459-95-5	
42	N-(5-Amino-2-methylphenyl)-4-(3-pyridyl)-2-pyrimidineamine	152460-10-1	
43	3-Acetyl pyridine	350-03-8	Lenalidomide
44	2-(Bromomethyl)-3-nitrobenzoic Acid Methyl Ester	98475-07-1	
45	3-Aminopiperidine-2,6-dione hydrochloride (3AP)	24666-56-6	
46	4-Chloro-6,7-dimethoxyquinoline	35654-56-9	Cabozantinib
47	1-((4-Fluoro phenyl) Carbamoyl) Cyclopropane Carboxylic acid	849217-48-7	
48	4-((6,7-Dimethoxyquinolin-4-yl)oxy)aniline	190728-25-7	
49	Cyclopropane-1,1-dicarboxylic acid methyl ester	113020-21-6	
50	1,1-Cyclopropanedicarboxylic acid	598-10-7	Colvatinib, Brigatinib
51	1-Methyl-4-(piperidin-4-yl)piperazine	53617-36-0	
52	4-(Dimethoxymethyl)piperidine	188646-83-5	Vepdegestrant
Antimalarial Rheumatoid arthritis			
53	4,7-dichloroquinoline (4,7-DCQ)	86-98-6	Hydroxychloroquine sulfate
54	5-(N-Ethyl-N-2-hydroxyethyl amino)-2-pentylamine (HNDA)	69559-11-1	
55	(3R,4R)-N,4-Dimethyl-1-(phenylmethyl)-3-piperidinamine hydrochloride	1062580-52-2	Tofacitinib

# Advanced Intermediates

<b>Antifungal</b>			
56	N-Methyl-1-naphthalene methylamine (Base)	14489-75-9	Terbinafine Hcl
57	N-Methyl-1-naphthalene methylamine Hcl	65473-13-4	
<b>Antidiarrheal/antipsychotic</b>			
58	4-(4-Chlorophenyl)-4-hydroxy piperidine (PCP)	39512-49-7	Loperamide, Haloperidol
59	Dihydro-N,N-dimethyl-3,3-diphenyl-2(3H)-furaniminium bromide	37743-18-3	Loperamide Hcl
60	1-(2,3-Dichlorophenyl)Piperazine Hydrochloride (DCPH)	119532-26-2	Aripiprazole
<b>Antihypertensive</b>			
61	2-N-Butyl-1,3-diazaspiro(4,4)non-1-en-4-one Hydrochloride (Spiro Compound)	151257-01-1	Irbesartan
62	Phthaloyl Amlodipine	88150-62-3	Amlodipine
<b>Antidepressant</b>			
63	Dibenzosuberone	1210-35-1	Amitriptyline Hcl
<b>Insecticide</b>			
64	2-Amino-5-chloro-N,3-dimethylbenzamide	890707-28-5	Chlorantraniliprole

# Derivatives of Piperidines and Piperidones

SLNo	PRODUCT NAME	CAS NO	RELATED API
1	N-BOC-4-piperidone	79099-07-3	Vicriviroc, Ancriviroc, Pridopidine, Bromperidol
2	4-Hydroxypiperidine	5382-16-1	Nadifloxacin, Pericyazine, Lamifiban, Ebastine, Perimetazine, Sibrafiban, Brigatinib, Revefenacin.
3	N-Methyl-4-piperidone	1445-73-4	Loratadine, Ketotifene, Zavegepant & Aclaftadine
4	N-Benzy-4-piperidone	3612-20-2	Pipamperone, Trifluperidol, Carpipramine, Tinoridine, Donepezil, Fluspirilene, Ceritinib dihydrochloride, Aplaviroc, Posizolid, Trefentanil, Fentanyl, Otenabant.
5	N-Carbethoxy-4-piperidone	29976-53-2	Sufentanil, Loratadine, Tedatioxetine hydrobromide.
6	N-Methyl-4-chloropiperidine	5570-77-4	Pentapiperide, Ketotifen, Loratadine, Cyproheptadine, Propiverine, Alcaftadine, N-Methyl Desloratadine, Pipethiadene
7	Ethyl 4-aminopiperidine-1-	58859-46-4	Domperidone maleate, Norastemizole, Astemizole, Clopimozide, Prucalopride, Domperidone, Sabeluzole, carboxylate
8	N-Methyl-4-hydroxy-piperidine	106-52-5	Diphenylpyraline, Propiverine, Perifosine
9	Ethyl 4-hydroxypiperidine-1-carboxylate	65214-82-6	Delamanid
10	N-BOC-4-hydroxypiperidine	109384-19-2	Crizotinib, Sapitinib, Lonafarnib
11	1-Methylpiperidine-4-amine	41838-46-4	Falnidamol, Pimavanserin tartrate

# Derivatives of Piperidines and Piperidones

SLNo	PRODUCT NAME	CAS NO	RELATED API
12	4-Piperidinopiperidine	4897-50-1	Irinotecan, Irinotecan hydrochloride
13	4-Piperidinylpiperidine dihydrochloride	4876-60-2	
14	4-N-BOC-Aminopiperidine	73874-95-0	Lomitapide, Crenolanib, Relebactam, Gepotidacin, Prucalopride Succinate, Astemizole
15	4-Aminopiperidine	13035-19-3	Lomitapide, Crenolanib, Relebactam, Gepotidacin, Prucalopride Succinate, Astemizole
16	4-Amino-1-Boc-piperidine	87120-72-7	Relebactam
17	3-Hydroxypiperidine	6859-99-0	Ibrutinib, Rilzabrutinib
18	N-BOC-3-Piperidone	98977-36-7	Gemigliptin, Avarofloxacin
19	1-Boc-3-hydroxypiperidine	85275-45-2	NCE
20	(R)-3-(Boc-amino)piperidine	309956-78-3	Linagliptin, Alogliptin Benzoate, Trelagliptin
21	(R)-3-Aminopiperidine dihydrochloride	334618-23-4	
22	(S)-3-Hydroxypiperidine hydrochloride	475058-41-4	

# Why us ?

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- *We are a young, agile, and passionate organization*
- *Strong focus on execution and supply assurance*
- *Completely back integrated and independent for intermediates and scaffolds*
- *Emphasis on quality, safety, environment, and sustainability*
- *Customer-centric orientation*
- *A win-win engagement*







Our Esteemed Costumers



VALDEQUÍMICA



KINSY

RELIABLE APIs & INTERMEDIATES



WORLD MEDICINE

Pharmaceutical company.



RC  
CHEMICALS



EVAPHARMA  
Shanghai Yuchang Pharm.



MICRO LABS



RAAM



MEKOPHAR



SAVAL



PRONAQUIM

SARIN



LUSOQUÍMICA



ABDIIBRAHIM

Uquifa



CHEMO



江苏中邦制药有限公司

JIANGSU ZHENWANG PHARMACEUTICAL CO. LTD.

BEXINCO



寿光富康制药有限公司

Shouguang Flikang Pharmaceutical Co., Ltd.



TIPHARCO  
TOTAL QUALITY



AUROBINDO  
Pharmaceuticals Limited

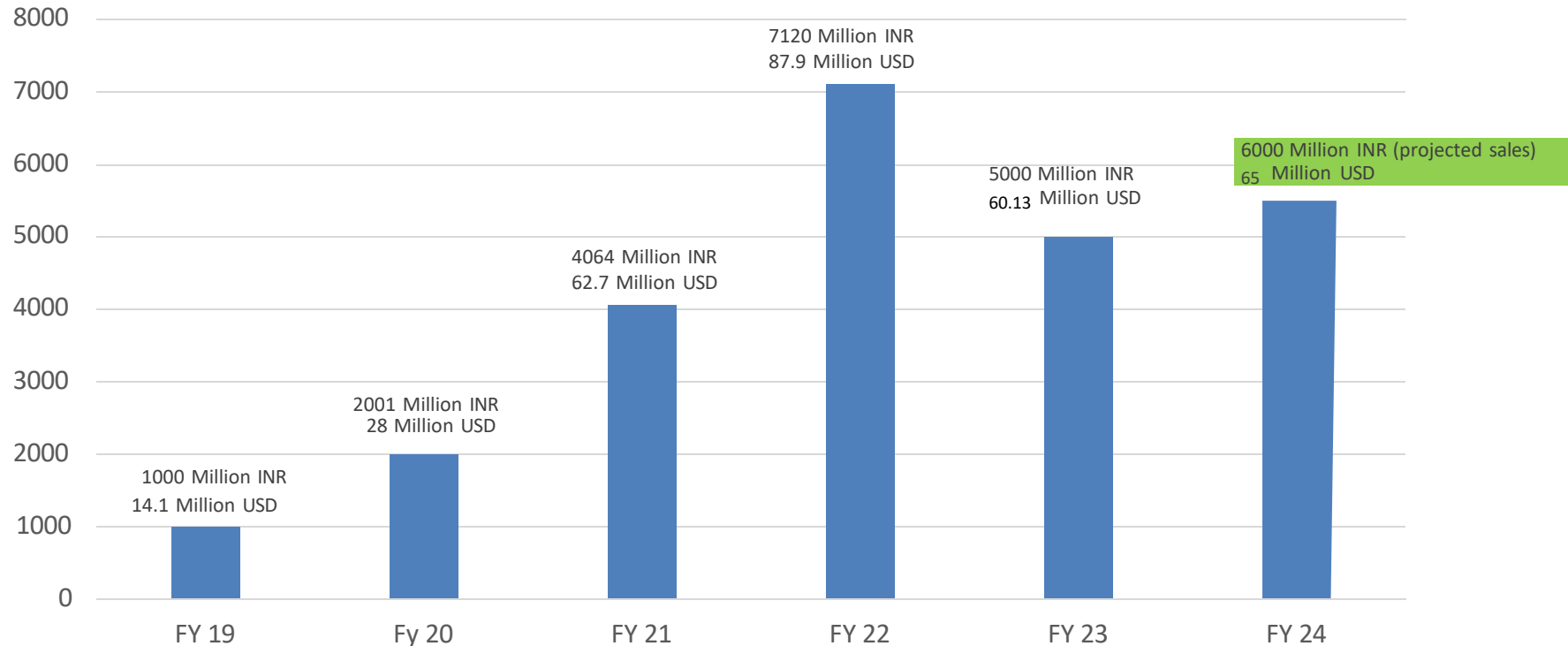


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Our Esteemed Costumers

# Business Growth

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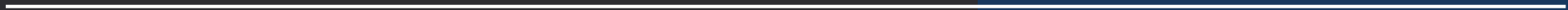


- Strong product focus and capacity creation hand-in-hand with growth
- Covid product portfolio traction last year
- Product and market expansion
- In summary, a financially secure company and offers business assurance

TAGOOR LABORATORIES



# Current Status of Tibro Pharmaceuticals Unit-IV





# Site Overview

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# Site Description

- **Tibro Pharmaceuticals (P) Ltd belongs to Tagoor Laboratories Private Limited and established in 2022.**
- **Tibro facilitates 2 manufacturing blocks i.e., PB-I and PB-II.**
- **Clean Rooms are planned in PB-II.**

Facility	Area in Sq. Meter
Total area	~ 40,486 (10.01 Acre)
Proposed Build up area	~ 12,500
Green belt	~14,200

# Site Description

---

## Proposed production equipment

- **Total no. of Reactors** : 60
- **Highest Capacity** : 6,000 L
- **Minimum Capacity** : 100 L
- **Total Capacity in volume** : About 200 KL
- **Glass Lined Reactors** : 15 (Minimum: 100 L; Maximum: 6000 L)
- **S.S. Reactors** : 45 (Minimum: 100 L; Maximum: 6000 L)
  
- **Tibro Pharmaceuticals (P) Ltd is expected to start its commercial production from Q2- 2024.**

# Proposed Product Portfolio for Tibro (Oncology Products)

1	Enzalutamide	14	Sunitinib HCl	27	Afatinib
2	Lenalidomide	15	Brigatinib	28	Bortezomib
3	Imatinib mesylate	16	Crizotinib	29	Bosutinib (Form-S & Form-R)
4	Carbozantinib	17	Polidomide	30	Osimeritinib
5	Palbociclib	18	Cobimetinib	31	Decitabine
6	Abiraterone Acetate	19	Nilotinib	32	Dabrafenib
7	Ibrutinib	20	Olaparib	33	Idelalisib
8	Gemcitabine	21	Pazopanib	34	Regorafenib
9	Ceritinib	22	Tipiracil	35	Pemetrexed
10	Dasatinib	23	Venetoclax	36	Tofacitinib
11	Erlotinib	24	Sorafenib	37	Bendamustine
12	Gefitinib	25	Alectinib		
13	Lapatinib	26	Paclitaxil		



**TAGOOR**

# Thank You

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