Medicine Data Portal (Prototype)

Use Case Documentation v2.2

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Introduction & Summary

Document Summary

This document is **only a sample** documentation to refer to different use cases of the prototype of the official software of Medicine Patent Pool. It serves as a sample guide to explore the **usage of the prototype** software and only covers different use cases. Therefore, **no pre-requisites, installation instructions, future scope or other details** of the software are included in this document.

Software Description

Medicine Data Portal is a data reporting tool designed by me and my team for our client – a large sized pharmaceutical company. Our client has several other pharmaceutical companies as their partners. The data portal helps communicate information and maintain records between our client company and their partners. It maintains records regarding three business reports used by the companies, namely: **Product Development Timeline (PDT)**, **Filing Plans** and **Sales Report**. The Software Backend has two user roles, namely **Admin** and **Partner**.

Our main client can login to the portal as an Admin and add user accounts for respective partner companies. Partner companies are notified via email regarding their account creation with a link to Set Password for their account. Admin then adds a list of products and countries to the system and can assign different products and countries to their respective Partners. Product and Country List can also be imported from a csv file. Partners can then login to their newly created accounts, enter respective data for Product Development Timeline, Filing Plans and Sales Report and submit the report to Admin. Partners can also optionally send a personal message or comment to the Admin during report submission.

Admin gets notified regarding every partner's report submission via email. Admin can then choose to Edit, Approve or Reject the reports submitted by admin and optionally send a personal message to the Partner. Partners are notified of the Admin decision via email.

Admin has the privilege of viewing and downloading Consolidated PDT, Filing Plan and Sales Report of all the Approved Partners at once. Admin

is also given access to a customized dashboard which shows different summaries regarding all the partners and their reports and provides business insights regarding the sales of each Product by each Partner.

Technologies & Tools Used

- Frontend of the Data Portal is based on **ReactJS** and **NodeJS** and **Redux** has been used for consistent state behaviour.
- Backend of the Data Portal is based on **Django REST Framework** APIs.
- **PostgresSQL** has been used for database and **AWS RDS** has been used to create a cloud database server
- **Celery** and **Rabbitmq** have been used for Task Scheduling and automating tasks like sending emails or addition of a new quarter.
- **Nginx** and **Gunicorn** have been used for load balancing of the application and the application has been dockerized using **Docker-Compose** for easy, consistent and cross platform deployment on Cloud Virtual Machine instances.
- **Sendgrid** has been used for sending out official emails and **Jenkins** was used for CI/CD of the software.
- **Pytest** was also used in the initial phases for unit testing and functional testing of different software modules.
- Official version of the application has been hosted on **AWS EC2** and my personal prototype has been hosted on my personal free tier AWS Educate instance.

Usage

Admin can log in to the system using his credentials and Add Products to Product List.

Sample credentials for login on prototype (Prototype might be a bit slow as it is hosted on my personal free tier aws educate):

http://ec2-52-206-47-45.compute-1.amazonaws.com/

email: **admin@mpp.com**, password: **samplepass123**

* Product Name:	ATV_API
* Category:	○ FDF ● API

Stages:

FDF
1. Development set-up
2. Trial Batch
3. Pilot BE
4. Exhibit batches
5. Pivotal BE
6. Stability loading in different packs
7. Stability data 6 months
8. Dossier Compilation
9. DF Dossier Filing USFDA
10. DF Dossier Filing WHO
11. USFDA Approval (FDF)
12. WHO-PQ Approval (FDF)

API
1. Investigation and route selection
2. R&D Batch API
3. Lab scale batch API
4. RM Procurement
5. API Trial Batch
6. API Validation Batches
7. API Stability loading
8. API Stability Study
9. DMF Compilation
10. DMF Filing USFDA
11. DMF Filing WHO-PQ
12. USFDA Approval (API)
13. WHO-PQ Approval (API)

* Therapy Area: HCV

[Add Product] [Cancel]

Product List

Product Name	Category	Therapy Area	Action
DOLO 650	API	HBV	✎ 🗑
Paracetamol	API	HCV	✎ 🗑
TDF_API	API	HIV	✎ 🗑
TDF/3TC/DTG	FDF	HIV	✎ 🗑
TAF_API	API	HIV	✎ 🗑
TAF_25mg	FDF	HBV	✎ 🗑
TAF/FTC/DTG	FDF	HIV	✎ 🗑

v

Admin also has the option to import products and countries from a csv file.

Admin can create user accounts for Partners by clicking Add Partner Button. Partners are assigned their respective countries and products that they own. Created Partners get added to Partner list.

* Company Name:	AbbVie Pvt Ltd
* E-mail:	abbvie@labs.com
* Contact Number:	+1 ∨ 7294821939
Address:	
* Region:	United States of America ∨ ✔
Active Products:	ABC/3TC/DTG (adult) ∨ PLANNED ∨ ⊖
	DAC/SOF ∨ PLANNED ∨ ⊖
	ABC/3TC/DTG (paed) ∨ APPROVED ∨ ⊖
	+ Add Product
	+ Add people

[Add Partner] [Cancel]

Company Name ⇅	Email	Active Products	Product Development Timeline	Filing Plans	Sales Report	Action
AbbVie Pvt Ltd	abbvie@labs.com	ATV_API BIC_API ABC/3TC/DTG (adult) DAC/SOF ATV/r	ⓘ ☐ 👁	ⓘ ☐ 👁	ⓘ ☐ 👁	✏ 🗑
Sanofi Pharmaceuticals	sanofi@labs.com	TAF/FTC/DTG TAF_API DRV/r (400/50mg) ABC/3TC/DTG (paed) ABC/3TC (60mg/30mg)	ⓘ ☐ 👁	ⓘ ✅ 👁	ⓘ ☐ 👁	✏ 🗑
Abbott India Limited	abbot@labs.com	BIC_API DAC/SOF BIC_50mg ABC/3TC (60mg/30mg)	ⓘ ✅ 👁	ⓘ ✅ 👁	ⓘ ✖ 👁	✏ 🗑
Novartis International	novartis@labs.com	ABC/3TC (60mg/30mg) DAC/SOF BIC_API ATV/r	ⓘ ✅ 👁	ⓘ ✅ 👁	ⓘ ✅ 👁	✏ 🗑
Pfizer Pharmaceuticals	pfizer@labs.com	BIC_API ABC/3TC (60mg/30mg) DAC/SOF	ⓘ ✖ 👁	ⓘ ✅ 👁	ⓘ ✅ 👁	✏ 🗑

Partners are notified of their account creation by email with a link to Set Password for their account.
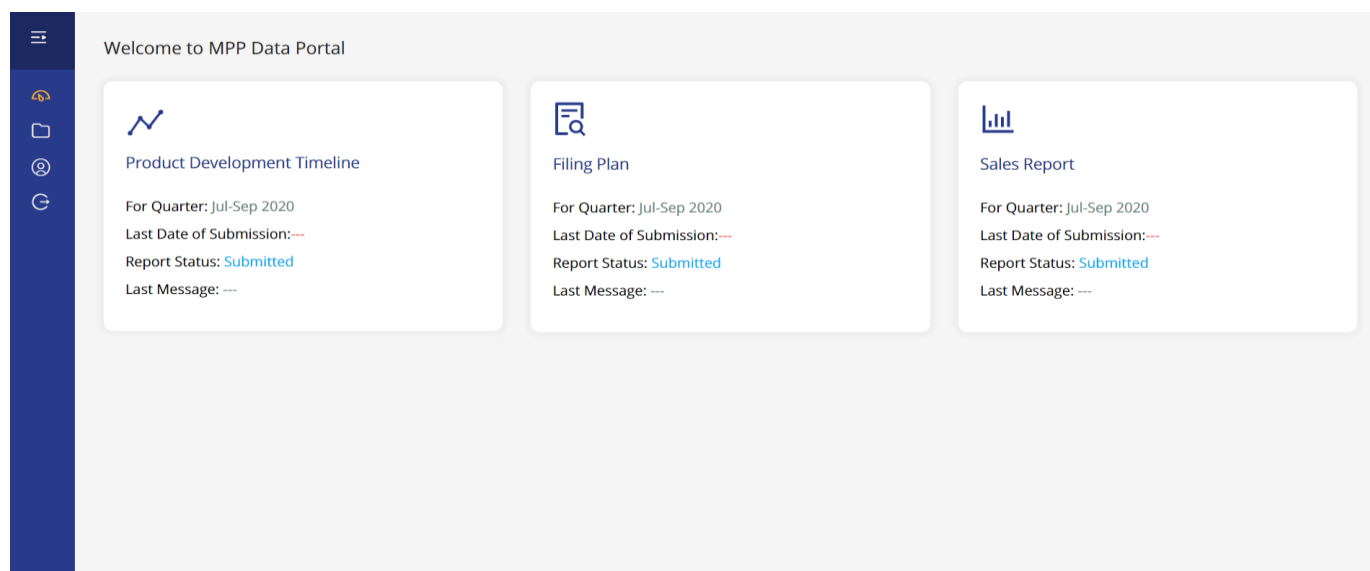

Partners can then log in to their account and check status of their three business reports on their dashboard.

Sample Partner Credentials for prototype:

email: **abbvie@labs.com**, password: **samplepass123**

Partners can then enter the data for **Product Development Timeline**, **Filing Plan** and **Sales Report** and then click on Submit Report button.

Products	Status	Notes	Jul-Sep 2020 Start Date (MM/DD/YYYY)	End Date (MM/DD/YYYY)	Apr-Jun 2020 Start Date (MM/DD/YYYY)	End Date
ABC/3TC/DTG (adult) (12)						
01. Development set-up	FILED	Product Development Timeline is already...	11/02/2020	11/03/2020		
02. Trial Batch			11/03/2020	11/13/2020		
03. Pilot BE			11/04/2020	11/03/2020		
04. Exhibit batches			11/09/2020	09/09/2020		
05. Pivotal BE			11/03/2020	11/02/2020		
06. Stability loading in different packs			11/02/2020	11/02/2020		
07. Stability data 6 months			09/09/2020	11/03/2020		
08. Dossier Compilation			11/03/2020	11/04/2020		
09. DF Dossier Filing USFDA			11/02/2020	11/03/2020		
10. DF Dossier Filing WHO			11/13/2020	09/09/2020		
11. USFDA Approval (FDF)			08/11/2020	11/10/2020		
12. WHO-PQ Approval (FDF)			11/02/2020	09/09/2020		
ATV_API (13)						
BIC_API (13)						
DAC/SOF (12)						
ATV/r (12)						

Country	ABC/3TC/DTG (adult)	ATV_API	BIC_API	DAC/SOF	ATV/r
Afghanistan	Q1-21	Filed	Q3-21	Q1-21	Filing-Planned
Albania	Q3-21	Registered	Q1-21	Q3-21	Registered
Algeria	Q2-21	Filed	Filed	Q2-21	Filing-Planned
Angola	Filed	Q4-20	Q4-20	Filed	Q4-20
Anguilla	Q2-21	Q3-21	Registered	Q2-21	Q3-21
Antigua and Barbuda	Filed	Q3-21	Filed	Filed	Q3-21
Argentina	Q3-21	Q3-21	Filed	Q3-21	Q3-21
Armenia	Q2-21	Registered	Q3-21	Q2-21	Registered
Aruba	Filing-Planned	Q4-20	Q4-20	Filing-Planned	Q4-20
Australia	Registered	Q3-21	Q4-20	Registered	Q3-21
Austria	Q3-21	Q4-20	Q4-20	Q3-21	Q4-20
Azerbaijan	Q4-20	Filed	Registered	Q4-20	Filing-Planned
Bahamas	Filed	Q4-20	Registered	Filed	Q4-20
Bahrain	Q3-21	Q2-21	Q3-21	Q3-21	Q2-21
Bangladesh	Q2-21	Q1-21	Q1-21	Q2-21	Q1-21
Barbados	Q4-20	Q2-21	Filed	Q4-20	Q2-21

On Partner Submission, an email is sent to the Admin regarding their submission

Hi,

Novartis international has submitted PDT Report on Nov. 27, 2020 at 4:32 a.m. for your review

Open PDT Report

Thanks,

MPP BD

Admin can View, Edit, Approve or Reject the reports submitted by different partners

Company Name	Email	Active Products	Product Development Timeline			Filing Plans			Sales Report			Action	
AbbVie Pvt Ltd	abbvie@labs.com	ATV_API BIC_API ABC/3TC/DTG (adult) DAC/SOF ATV/r	ⓘ	○	◉	ⓘ	○	◉	ⓘ	○	◉	✎	🗑
Sanofi Pharmaceuticals	sanofi@labs.com	TAF/FTC/DTG TAF_API DRV/r (400/50mg) ABC/3TC/DTG (paed) ABC/3TC (60mg/30mg)	ⓘ	○	◉	ⓘ	✓	◉	ⓘ	○	◉	✎	🗑
Abbott India Limited	abbot@labs.com	BIC_API DAC/SOF BIC_50mg ABC/3TC (60mg/30mg)	ⓘ	✓	◉	ⓘ	✓	◉	ⓘ	✗	◉	✎	🗑
Novartis International	novartis@labs.com	ABC/3TC (60mg/30mg) DAC/SOF BIC_API ATV/r	ⓘ	✓	◉	ⓘ	✓	◉	ⓘ	✓	◉	✎	🗑
Pfizer Pharmaceuticals	pfizer@labs.com	BIC_API ABC/3TC (60mg/30mg) DAC/SOF	ⓘ	✗	◉	ⓘ	✓	◉	ⓘ	✓	◉	✎	🗑

Report Status: Approved on 28th Nov 2020, 08:50 PM

Country	DRV/r (400/50mg)	TAF_API	TAF/FTC/DTG	ABC/3TC (60mg/30mg)	ABC/3TC/DTG (paed)
Afghanistan	Q1-21	Filed	Q3-21	Q1-21	Filing-Planned
Albania	Q3-21	Registered	Q1-21	Q3-21	Registered
Algeria	Q2-21	Filed	Filed	Q2-21	Filing-Planned
Angola	Filed	Q4-20	Q4-20	Filed	Q4-20
Anguilla	Q2-21	Q3-21	Registered	Q2-21	Q3-21
Antigua and Barbuda	Filed	Q3-21	Filed	Filed	Q3-21
Argentina	Q3-21	Q3-21	Filed	Q3-21	Q3-21
Armenia	Q2-21	Registered	Q3-21	Q2-21	Registered
Aruba	Filing-Planned	Q4-20	Q4-20	Filing-Planned	Q4-20
Australia	Registered	Q3-21	Q4-20	Registered	Q3-21
Austria	Q3-21	Q4-20	Q4-20	Q3-21	Q4-20
Azerbaijan	Q4-20	Filed	Registered	Q4-20	Filing-Planned
Bahamas	Filed	Q4-20	Registered	Filed	Q4-20
Bahrain	Q3-21	Q2-21	Q3-21	Q3-21	Q2-21
Bangladesh	Q2-21	Q1-21	Q1-21	Q2-21	Q1-21
Barbados	Q4-20	Q2-21	Filed	Q4-20	Q2-21
Belarus	Registered	Q2-21	Filed	Registered	Q2-21
Belgium	Q2-21	Q1-21	Q1-21	Q2-21	Q1-21

Other then emails, the messages exchanged between Admin and Partner can also be viewed in a chat box in the portal

Save **Approve** **Reject**

Messages ⌄

Report is Approved
Checked and verified. Approved Filing Plans.

28th Nov 2020, 08:50 PM

Report is Submitted
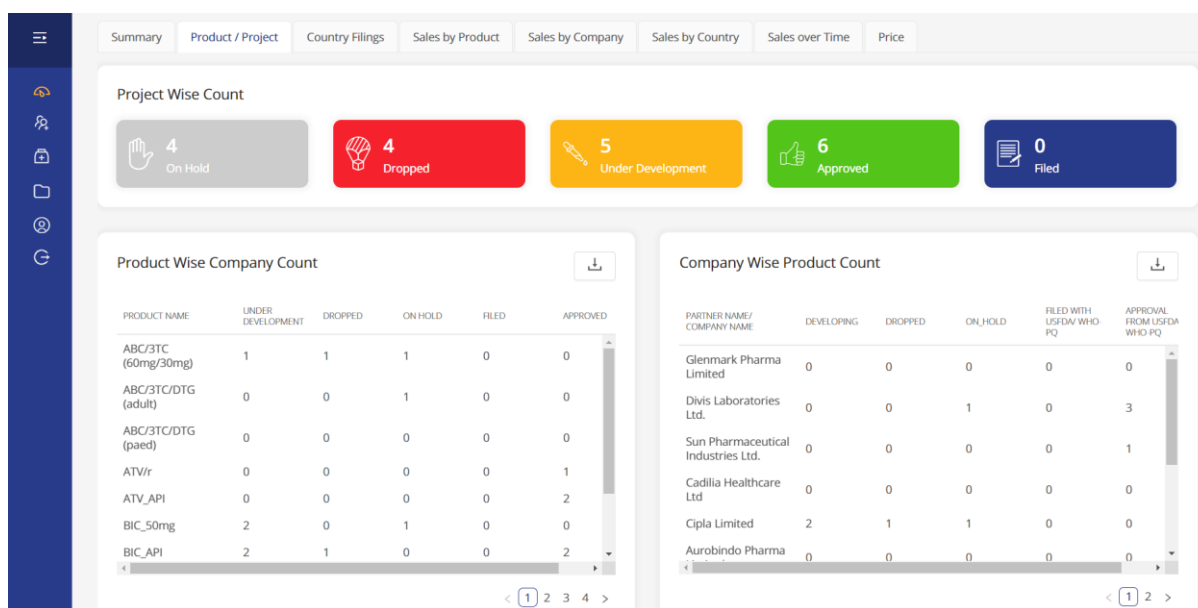We have submitted Filing Plans

28th Nov 2020, 08:50 PM

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Admin has the feature of viewing and downloading consolidated reports of all the approved partners by partner name

| API | FDF | | | | | | ⬇ |

Company Name	Year	Month	Country	Purchaser	Api Name	Quantity (Kg)	Total Value
Biocon Limited	2016	August	Vanuatu	Celltrion	ATV_API	840	588000
Biocon Limited	2016	April	Uganda	QCIL	ATV_API	1095.79	802118.28
Biocon Limited	2016	May	Korea (Democratic People's Republic of)	Celltrion	ATV_API	180	126000
Biocon Limited	2016	June	India	Cipla	ATV_API	470	338400
Biocon Limited	2016	August	Vanuatu	Celltrion	ATV_API	840	588000
Biocon Limited	2016	April	Uganda	QCIL	ATV_API	1095.79	802118.28
Biocon Limited	2016	May	Korea (Democratic People's Republic of)	Celltrion	ATV_API	180	126000
Cipla Limited	2017	January	Albania	Cipla	BIC_API	755	9993
Cipla Limited	2019	February	Albania	Eureka Pvt Ltd	BIC_API	300	4000
Cipla Limited	2016	August	Vanuatu	Celltrion	ATV_API	840	588000
Cipla Limited	2016	April	Uganda	QCIL	ATV_API	1095.79	802118.28
Cipla Limited	2016	May	Korea (Democratic People's Republic of)	Celltrion	ATV_API	180	126000

Company Name	Product	Stage	Status	Jul-Sep 2020		Apr-Jun 2020	
				Start Date	End Date	Start Date	End Date
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	01. Development set-up	FILED	2020-08-10	2020-11-04		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	02. Trial Batch	FILED	2020-11-13	2020-11-02		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	03. Pilot BE	FILED	2020-11-03	2020-11-02		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	04. Exhibit batches	FILED	2020-11-13	2020-09-09		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	05. Pivotal BE	FILED	2020-11-13	2020-11-13		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	06. Stability loading in different packs	FILED	2020-11-09	2020-11-02		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	07. Stability data 6 months	FILED	2020-09-09	2020-11-13		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	08. Dossier Compilation	FILED	2020-09-09	2020-11-13		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	09. DF Dossier Filing USFDA	FILED	2020-11-02	2020-11-03		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	10. DF Dossier Filing WHO	FILED	2020-09-09	2020-11-10		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	11. USFDA Approval (FDF)	FILED	2020-09-09	2020-11-04		
Aurobindo Pharma Limited	ABC/3TC/DTG (adult)	12. WHO-PQ Approval (FDF)	FILED	2020-09-09	2020-11-03		
Aurobindo Pharma Limited	ATV_API	01. Investigation and route selection	DROPPED	2020-11-04	2020-11-02		
Aurobindo Pharma Limited	ATV_API	02. R&D Batch API	DROPPED	2020-11-13	2020-11-13		

Company Name	Country	ABC/3TC (60mg/30mg)	ABC/3TC/DTG (adult)	ABC/3TC/DTG (paed)	ATV/r	ATV_API	BIC_50mg	BIC_API	DAC/SOF	DAC_30n
Abbott India Limited	Afghanistan	Q1-21					Filing-Planned	Filed	Registered	
Abbott India Limited	Albania	Q4-20					Filing-Planned	Filed	Registered	
Abbott India Limited	Algeria	Filing-Planned					Filing-Planned	Registered	Q1-21	
Abbott India Limited	Angola	Registered					Q1-21	Q1-21	Registered	
Abbott India Limited	Anguilla	Registered					Q1-21	Q1-21	Filing-Planned	
Abbott India Limited	Antigua And Barbuda	Q3-21					Q3-21	Q1-21	Filing-Planned	
Abbott India Limited	Argentina	Q2-21					Filed	Registered	Filing-Planned	
Abbott India Limited	Armenia	Filing-Planned					Q1-21	Q3-21	Q4-20	
Abbott India Limited	Aruba	Q1-21					Registered	Filed	Q1-21	
Abbott India Limited	Australia	Registered					Filed	Q4-20	Q2-21	
Abbott India Limited	Austria	Q1-21					Q1-21	Registered	Q1-21	

Admin is also given access to a customized dashboard which shows different summaries regarding all the partners and their reports and provides business insights regarding the sales of each Product by each Partner.

Summary | Product / Project | Country Filings | Sales by Product | Sales by Company | Sales by Country | Sales over Time | Price

Project Wise Count

4 On Hold	4 Dropped	5 Under Development	6 Approved	0 Filed

Product Wise Company Count

PRODUCT NAME	UNDER DEVELOPMENT	DROPPED	ON HOLD	FILED	APPROVED
ABC/3TC (60mg/30mg)	1	1	1	0	0
ABC/3TC/DTG (adult)	0	0	1	0	0
ABC/3TC/DTG (paed)	0	0	0	0	0
ATV/r	0	0	0	0	1
ATV_API	0	0	0	0	2
BIC_50mg	2	0	1	0	0
BIC_API	2	1	0	0	2

< 1 2 3 4 >

Company Wise Product Count

PARTNER NAME/ COMPANY NAME	DEVELOPING	DROPPED	ON_HOLD	FILED WITH USFDA/ WHO PQ	APPROVAL FROM USFDA WHO-PQ
Glenmark Pharma Limited	0	0	0	0	0
Divis Laboratories Ltd.	0	0	1	0	3
Sun Pharmaceutical Industries Ltd.	0	0	0	0	1
Cadilia Healthcare Ltd	0	0	0	0	0
Cipla Limited	2	1	1	0	0
Aurobindo Pharma	0	0	0	0	0

< 1 2 >

Summary

Summary	Product / Project	Country Filings	Sales by Product	Sales by Company	Sales by Country	Sales over Time	Price

Admin Dashboard Summary For (Jul-Sep 2020) — ALL DATA SUBMITTED ▾

COMPANY NAME	COMPANY EMAIL	VIEW REPORT
Abbott India Limited	abbot@labs.com	∿ 🗎 ᴸᴸ
AbbVie Pvt Ltd	abbvie@labs.com	∿ 🗎 ᴸᴸ
Biocon Limited	biocoin@labs.com	∿ 🗎 ᴸᴸ
Cadilia Healthcare Ltd	cadilia@labs.com	∿ 🗎 ᴸᴸ
Cipla Limited	cipla@labs.com	∿ 🗎 ᴸᴸ
Divis Laboratories Ltd.	divis@labs.com	∿ 🗎 ᴸᴸ
Dr. Reddy's Laboratories	reddy@labs.com	∿ 🗎 ᴸᴸ
Glenmark Pharma Limited	glenmark@labs.com	∿ 🗎 ᴸᴸ
Novartis International	novartis@labs.com	∿ 🗎 ᴸᴸ
Pfizer Pharmaceuticals	pfizer@labs.com	∿ 🗎 ᴸᴸ

‹ [1] 2 ›

Country Filings

Summary	Product / Project	Country Filings	Sales by Product	Sales by Company	Sales by Country	Sales over Time	Price

Product Wise Country Count — Filed ▾ ⬇

PRODUCT NAME	FILED
ABC/3TC (60mg/30mg)	19
ABC/3TC/DTG (adult)	14
ABC/3TC/DTG (paed)	0
ATV/r	7
ATV_API	23
BIC_50mg	15
BIC_API	19
DAC/SOF	15
DAC_30mg	0

‹ [1] 2 3 4 ›

Country Wise Product Count — Filed ▾ ⬇

COUNTRY NAME	PRODUCT NAME	NUMBER OF PARTNERS
Afghanistan	ABC/3TC (60mg/30mg)	1
Afghanistan	ABC/3TC/DTG (adult)	1
Afghanistan	ATV_API	1
Afghanistan	BIC_50mg	1
Afghanistan	BIC_API	2
Afghanistan	RTV_API	1
Albania	ATV_API	1
Albania	BIC_API	1
Albania	DAC/SOF	1

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Sales by Product

Summary	Product / Project	Country Filings	Sales by Product	Sales by Company	Sales by Country	Sales over Time	Price

By Company ⬇

PRODUCT NAME	COMPANY NAME	SALES = SUM(PACK_SIZE*QUANTITY)
ATV/r	Novartis International	5624220
ATV_API	Divis Laboratories Ltd.	4293000
ATV_API	Cipla Limited	4293000
ATV_API	Biocon Limited	4293000
BIC_50mg	Divis Laboratories Ltd.	1331220
BIC_50mg	Cipla Limited	1331220
BIC_50mg	Biocon Limited	1331220
BIC_API	Divis Laboratories Ltd.	14214780
BIC_API	Cipla Limited	14214780

‹ [1] 2 ›

Over Time ⬇

PRODUCT NAME	YEAR	MONTH	QUARTER	SAL
ATV/r	2018	July	Jul-Sep 2020	
ATV/r	2018	June	Jul-Sep 2020	
ATV/r	2019	February	Jul-Sep 2020	
ATV/r	2020	August	Jul-Sep 2020	
ATV/r	2020	March	Jul-Sep 2020	
ATV_API	2018	July	Jul-Sep 2020	
ATV_API	2018	June	Jul-Sep 2020	
ATV_API	2019	February	Jul-Sep 2020	

‹ [1] 2 ›

Panel 1

| Summary | Product / Project | Country Filings | Sales by Product | **Sales by Company** | Sales by Country | Sales over Time | Price |

By Product

COMPANY NAME	PRODUCT NAME	SALES
Biocon Limited	ATV_API	4293000
Biocon Limited	BIC_50mg	1331220
Cipla Limited	ATV_API	4293000
Cipla Limited	BIC_50mg	1331220
Cipla Limited	BIC_API	14214780
Divis Laboratories Ltd.	ATV_API	4293000
Divis Laboratories Ltd.	BIC_50mg	1331220
Divis Laboratories Ltd.	BIC_API	14214780
Novartis International	ATV/r	5624220

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Over Time

COMPANY NAME	YEAR	MONTH	QUARTER	SAL
Biocon Limited	2018	July	Jul-Sep 2020	
Biocon Limited	2018	June	Jul-Sep 2020	
Biocon Limited	2019	February	Jul-Sep 2020	
Biocon Limited	2020	August	Jul-Sep 2020	
Biocon Limited	2020	March	Jul-Sep 2020	
Cipla Limited	2018	July	Jul-Sep 2020	
Cipla Limited	2018	June	Jul-Sep 2020	
Cipla Limited	2019	February	Jul-Sep 2020	

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Panel 2

| Summary | Product / Project | Country Filings | Sales by Product | Sales by Company | **Sales by Country** | Sales over Time | Price |

By Product

COUNTRY	PRODUCT NAME	SALES
Algeria	ATV/r	300
Algeria	ATV_API	900
Algeria	DAC/SOF	300
Angola	ATV/r	9000
Angola	ATV_API	27000
Angola	DAC/SOF	9000
Anguilla	BIC_API	20145120
India	ATV/r	5614920
India	ATV_API	12851100

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Over Time

COUNTRY NAME	YEAR	MONTH	QUARTER	SAL
Algeria	2019	February	Jul-Sep 2020	
Angola	2020	March	Jul-Sep 2020	
Anguilla	2019	June	Jul-Sep 2020	
India	2018	July	Jul-Sep 2020	
India	2018	June	Jul-Sep 2020	
India	2020	August	Jul-Sep 2020	

[1]

Panel 3

| Summary | Product / Project | Country Filings | Sales by Product | Sales by Company | Sales by Country | **Sales over Time** | Price |

By Product

PRODUCT NAME	YEAR	MONTH	QUARTER	SAL
ATV/r	2018	July	Jul-Sep 2020	
ATV/r	2018	June	Jul-Sep 2020	
ATV/r	2019	February	Jul-Sep 2020	
ATV/r	2020	August	Jul-Sep 2020	
ATV/r	2020	March	Jul-Sep 2020	
ATV_API	2018	July	Jul-Sep 2020	
ATV_API	2018	June	Jul-Sep 2020	
ATV_API	2019	February	Jul-Sep 2020	

[1] 2 >

By Country

COUNTRY NAME	YEAR	MONTH	QUARTER	SAL
Algeria	2019	February	Jul-Sep 2020	
Angola	2020	March	Jul-Sep 2020	
Anguilla	2019	June	Jul-Sep 2020	
India	2018	July	Jul-Sep 2020	
India	2018	June	Jul-Sep 2020	
India	2020	August	Jul-Sep 2020	

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Admin can also send reminder mails to partners who haven't submitted their data

All the reports, tables and dashboard summaries are automatically refreshed and reset after every new quarter with respect to the four quarters in a year. This process has been automated using celery and rabbitmq.