



COVID CARE MANAGEMENT SYSTEM (CCMS) MAHARASHTRA



**Public Health Department
Government of Maharashtra**

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OVERVIEW

COVID-19 Care Management System (CCMS) is a web portal for managing the bed, oxygen supply, and medicine availability status for COVID patients across all the hospitals in the state. A real-time state-of-the-art system developed where the administration will have all required information at a glance and in one place.

All the districts are divided into six divisions and all the hospitals among these districts are listed with their capacity and availability for various types of beds, oxygen, and medicines needs.

OBJECTIVES

Setting up a standard dashboard to be applicable across the state of Maharashtra with uniform modules, to support in addressing and managing the medical infrastructure.

FEATURES

The web portal will provide one-stop easy and real-time access for hospital beds, medicines, oxygen supply, hospital audits, and administrative reporting. The OTP-based user login to obtain the security of crucial information and to avoid wrong data entry from unauthorized users, with multiple levels of hierarchy for check balance mechanism. Along with the user-friendly portal, the mobile application based on Android and IOS will also be available.

HOSPITAL BEDS ACROSS STATE	State Bed Availability Status
	Division and District wise Bed Availability Status
	Hospital Bed Management
OXYGEN AVAILABILITY	State Oxygen Availability Status
	Division and District wise Oxygen Availability Status
	Hospital Oxygen Availability Status
OXYGEN AND MEDICINE RESOURCES	State Medicine Availability Status
	Division and District wise Medicine Availability Status
	Division and District wise Oxygen Resources availability status
	Division and District wise Oxygen Concentrators availability status
SUPPLIERS	District-wise List of LMO Manufacturers, Oxygen Re-fillers, Oxygen Distributors
	District-wise List of Medicine Dealers
	District-wise List of Oxygen Consuming Industries where oxygen is supplied by manufacturers

USER ROLES

There are five user levels for all modules, each level is defined as below:

LEVEL	USERS	ACCESS	MODULE
I	Chief Secretary Office	Dashboard view-only	<ul style="list-style-type: none"> a. Public Dashboard (Hospital & District-Wise Bed Availability) b. State Dashboards (Bed, Oxygen and Medicine Availability) c. Resources (Oxygen and Medicine Resources and Oxygen Concentrators) d. Suppliers e. Hospitals f. Tankers
II	Public Health Department, Food and Drugs Administration, Relief and Rehabilitation Department, DHS, and Transport Commissioner	Modify all users, hospitals, and suppliers. Also, user-based access to specific modules. Dashboard view-only	<ul style="list-style-type: none"> a. Public Dashboard (Hospital and District-Wise Bed Availability) b. State Dashboards (Bed, Oxygen and Medicine Availability) c. Resources (Oxygen and Medicine Resources and Oxygen Concentrators) d. Suppliers e. Hospitals f. Tankers
III	Divisional Commissioner	Modify mapped division users, hospitals, and suppliers Dashboard view-only	<ul style="list-style-type: none"> a. Public Dashboard (Hospital and District-Wise Bed Availability) b. Resources (Oxygen and Medicine Resources and Oxygen Concentrators) c. Suppliers d. Hospitals
IV	District Administration, Municipal Commissioner, and Taluka Administration	Modify mapped district users, hospitals, and suppliers Dashboard view-only	<ul style="list-style-type: none"> a. Public Dashboard (Hospital and District-Wise Bed Availability) b. Resources (Oxygen and Medicine Resources and Oxygen Concentrators) c. Suppliers d. Hospitals
V	Hospitals, Manufactures, Re-fillers, Medicine Dealers, Distributors, and Oxygen Consuming Industries	View, submit and update information Dashboard view-only	<ul style="list-style-type: none"> a. Public Dashboard (Hospital and District-Wise Bed Availability) – view-only access b. Supplier and Receiver Module c. Bed, Medicine, and Oxygen Inventory

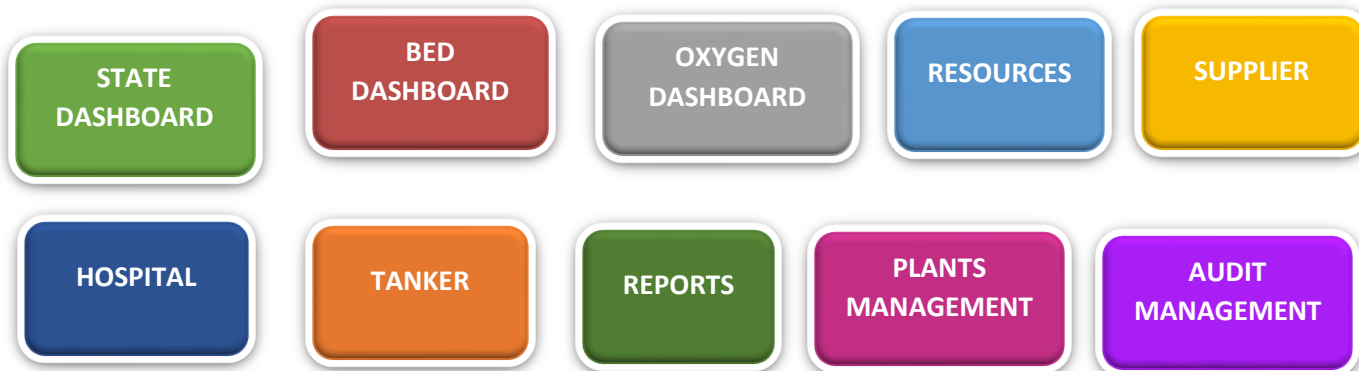
1. PUBLIC DASHBOARD

To access the public dashboard of this portal the user needs to go to the URL. mahacovid.jeevandayee.gov.in.

The user will have access to the public dashboard, where the district-wise bed availability status for all hospitals across the state will be visible. The state bed availability dashboard is for the public domain and availability status can be viewed without login into the system.

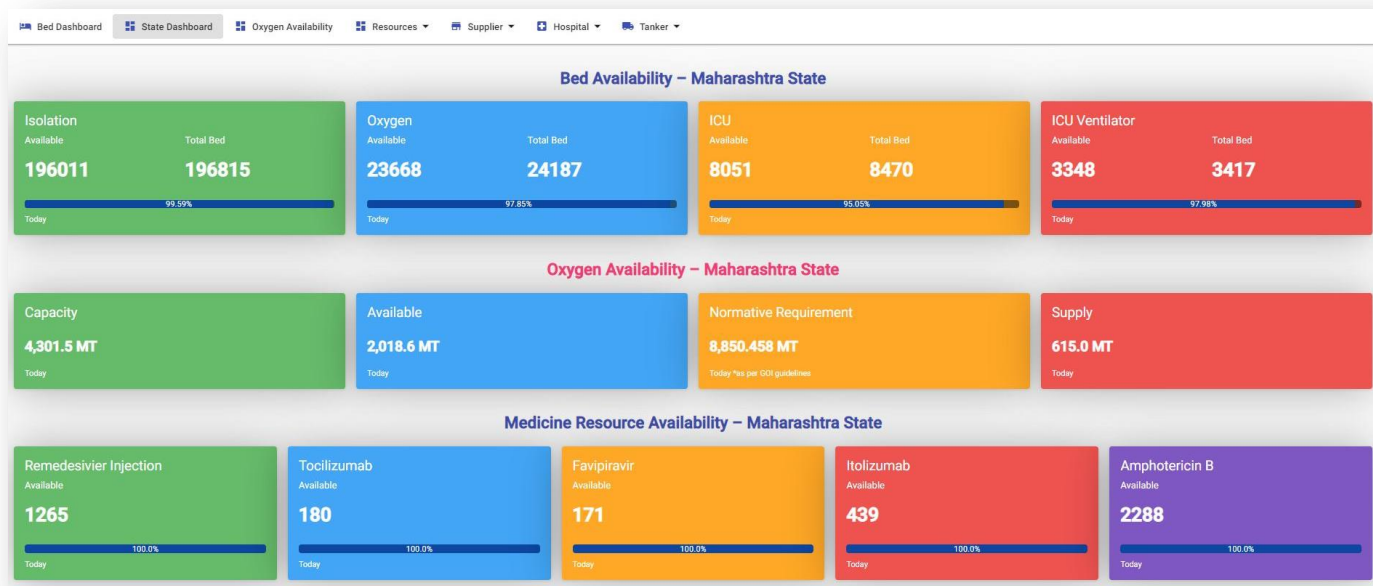
2. ADMINISTRATOR DASHBOARD

There are seven different modules as listed below:



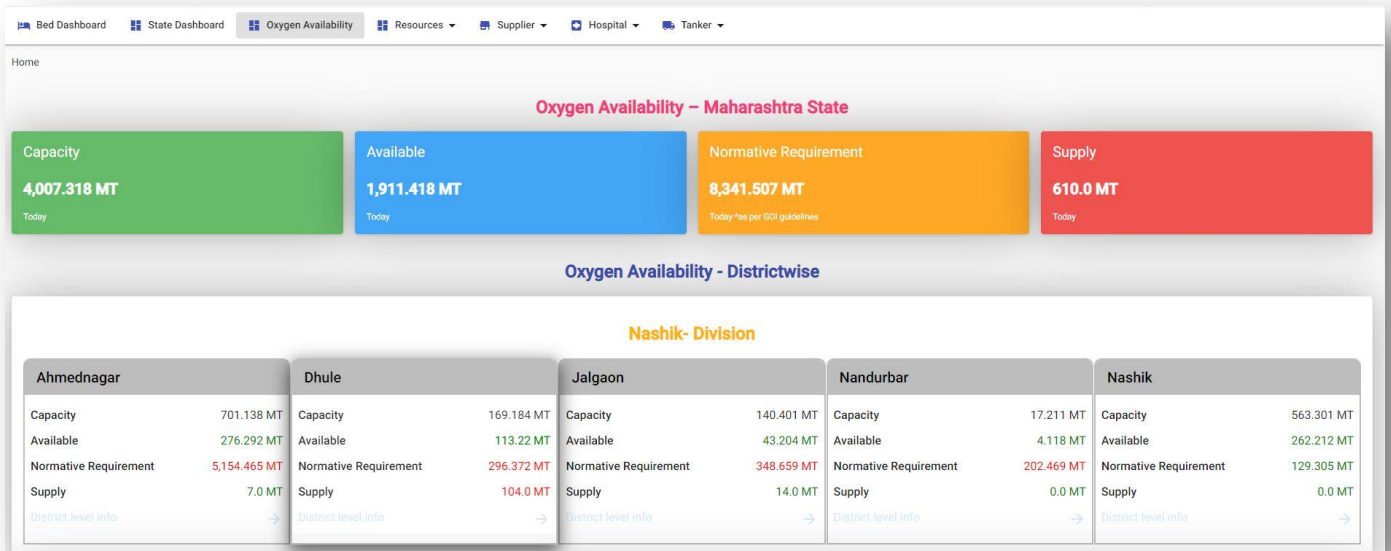
2.1 STATE DASHBOARD

The dashboard contains Bed, Oxygen, and Medicine availability in all hospitals across the state with its available and total count for each type. It also shows the percentage of availability in each type. This will help the user to take the required action to maintain sufficient resources.



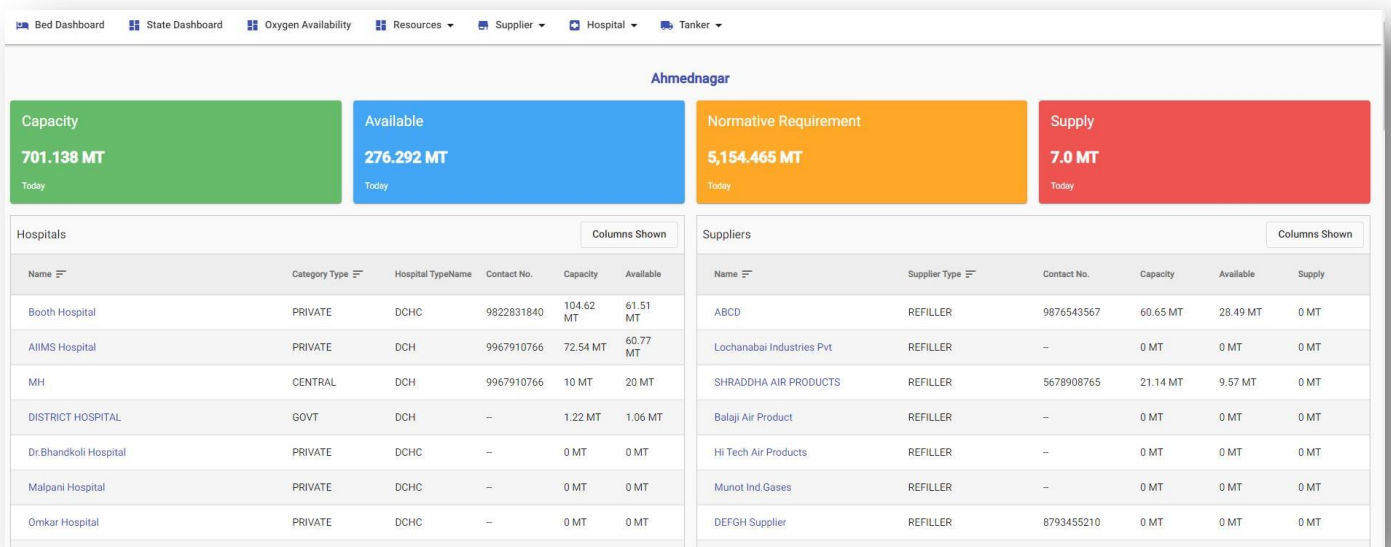
2.2 OXYGEN AVAILABILITY

The division/district-wise oxygen availability with its Capacity and Normative Requirement, with a blinking link as 'District level Info' for detailed information of a particular district.



2.2.1 DISTRICT-WISE OXYGEN AVAILABILITY

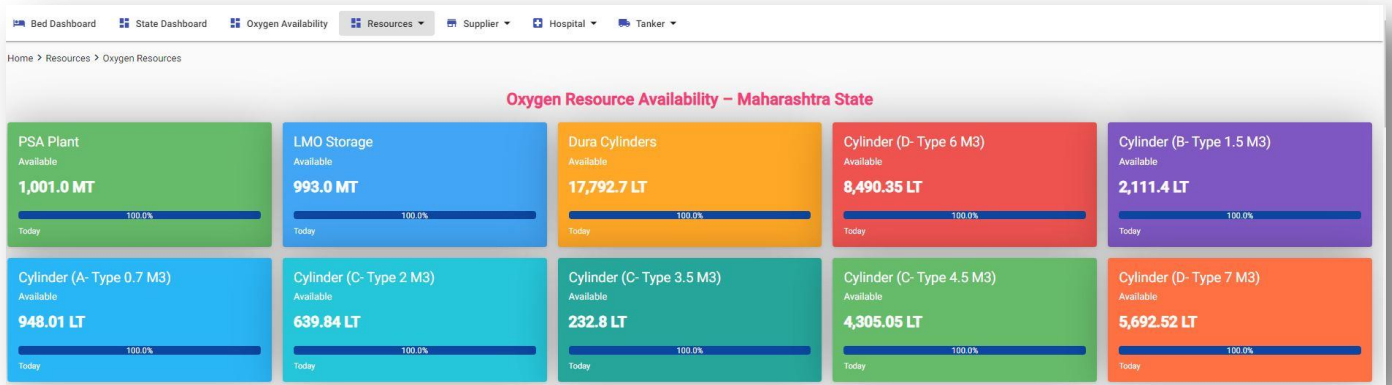
By clicking on any district, the user will see the below screen where it shows the district wise hospital and supplier list.



2.3 OXYGEN RESOURCES

The 'Oxygen Resources' tab will show the various types of oxygen resources available for the state. This consists of the following oxygen resources.

- I. PSA Plan
- II. LMO Storage
- III. Dura Cylinders
- IV. Cylinder (D- Type 6 M3)
- V. Cylinder (B- Type 1.5 M3)
- VI. Cylinder (A- Type 0.7 M3)
- VII. Cylinder (C- Type 2 M3)
- VIII. Cylinder (B- Type 3.5 M3)
- IX. Cylinder (C- Type 4.5 M3)
- X. Cylinder (D- Type 7 M3)



2.3.1 DIVISION AND DISTRICT-WISE OXYGEN RESOURCES

The tab will show division and district-wise details of available oxygen resources.

Oxygen Resource Availability - Districtwise

Nashik- Division

Ahmednagar	Available	Dhule	Available	Jalgaon	Available	Nandurbar	Available	Nashik	Available
PSA Plant	143.0 MT	PSA Plant	39.0 MT	PSA Plant	5.0 MT	PSA Plant	2.0 MT	PSA Plant	161.0 MT
LMO Storage	196.0 MT	LMO Storage	74.0 MT	LMO Storage	38.0 MT	LMO Storage	2.0 MT	LMO Storage	94.0 MT
Dura Cylinders	11,908.5 LT	Dura Cylinders	0.0 LT	Dura Cylinders	0.0 LT	Dura Cylinders	0.0 LT	Dura Cylinders	5,043.6 LT
Cylinder (D- Type 6 M3)	1,500.62 LT	Cylinder (D- Type 6 M3)	1,105.72 LT	Cylinder (D- Type 6 M3)	0.0 LT	Cylinder (D- Type 6 M3)	394.9 LT	Cylinder (D- Type 6 M3)	1,658.58 LT
Cylinder (B- Type 1.5 M3)	132.6 LT	Cylinder (B- Type 1.5 M3)	20.4 LT	Cylinder (B- Type 1.5 M3)	1,040.4 LT	Cylinder (B- Type 1.5 M3)	112.2 LT	Cylinder (B- Type 1.5 M3)	173.4 LT
Cylinder (A- Type 0.7 M3)	396.95 LT	Cylinder (A- Type 0.7 M3)	0.0 LT	Cylinder (A- Type 0.7 M3)	28.02 LT	Cylinder (A- Type 0.7 M3)	32.69 LT	Cylinder (A- Type 0.7 M3)	56.04 LT
Cylinder (C- Type 2 M3)	66.65 LT	Cylinder (C- Type 2 M3)	0.0 LT	Cylinder (C- Type 2 M3)	0.0 LT	Cylinder (C- Type 2 M3)	66.65 LT	Cylinder (C- Type 2 M3)	133.3 LT
Cylinder (C- Type 3.5 M3)	0.0 LT	Cylinder (C- Type 3.5 M3)	0.0 LT	Cylinder (C- Type 3.5 M3)	0.0 LT	Cylinder (C- Type 3.5 M3)	0.0 LT	Cylinder (C- Type 3.5 M3)	0.0 LT
Cylinder (C- Type 4.5 M3)	1,632.95 LT	Cylinder (C- Type 4.5 M3)	0.0 LT	Cylinder (C- Type 4.5 M3)	0.0 LT	Cylinder (C- Type 4.5 M3)	0.0 LT	Cylinder (C- Type 4.5 M3)	1,187.6 LT
Cylinder (D- Type 7 M3)	466.6 LT	Cylinder (D- Type 7 M3)	0.0 LT	Cylinder (D- Type 7 M3)	0.0 LT	Cylinder (D- Type 7 M3)	0.0 LT	Cylinder (D- Type 7 M3)	4,619.34 LT
District level info	→	District level info	→	District level info	→	District level info	→	District level info	→

2.4 OXYGEN CONCENTRATORS

The tab will show division, district, and oxygen concentrator type-wise details of available oxygen concentrators.

Bed Dashboard State Dashboard Oxygen Availability Resources Supplier Hospital Tanker

Home > Resources > Oxygen Concentrators

Oxygen Concentrators Resource Availability – Maharashtra State

O2 Concentrators 10 LPM Available 191 100.0% Today	O2 Concentrators 5 LPM Available 117 100.0% Today	O2 Concentrators 7 LPM Available 194 100.0% Today
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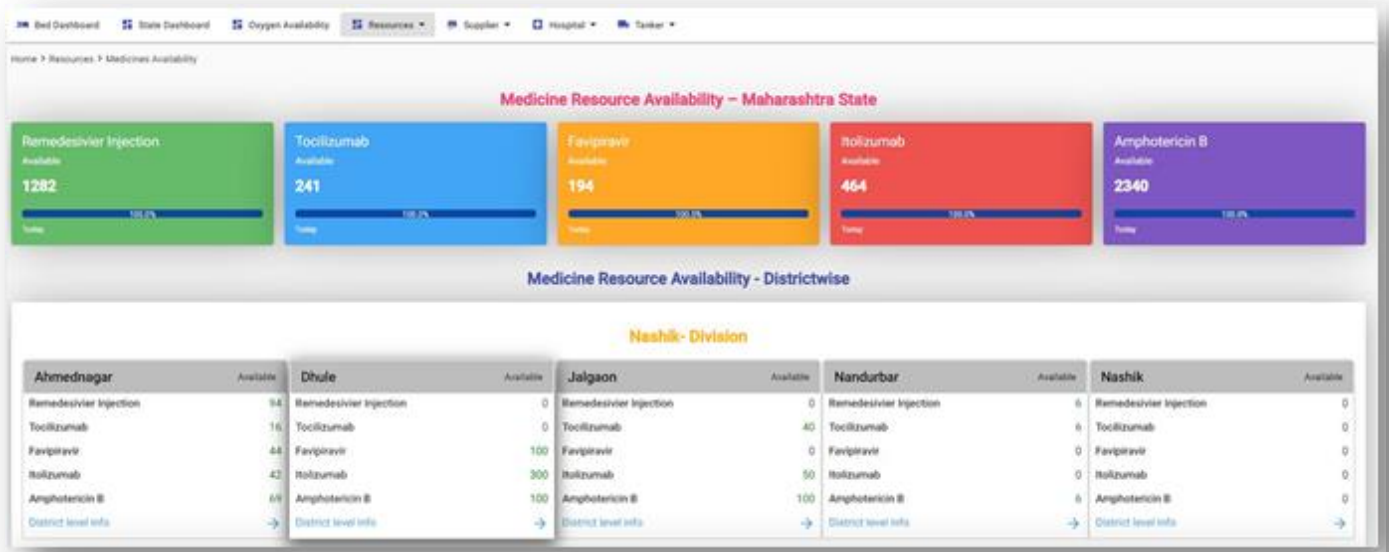
Oxygen Concentrators Resource Availability - Districtwise

Nashik- Division

Ahmednagar	Available	Dhule	Available	Jalgaon	Available	Nandurbar	Available	Nashik	Available
O2 Concentrators 10 LPM	33	O2 Concentrators 10 LPM	0	O2 Concentrators 10 LPM	0	O2 Concentrators 10 LPM	0	O2 Concentrators 10 LPM	111
O2 Concentrators 5 LPM	42	O2 Concentrators 5 LPM	5	O2 Concentrators 5 LPM	0	O2 Concentrators 5 LPM	0	O2 Concentrators 5 LPM	28
O2 Concentrators 7 LPM	90	O2 Concentrators 7 LPM	0	O2 Concentrators 7 LPM	0	O2 Concentrators 7 LPM	0	O2 Concentrators 7 LPM	41
District level info	→	District level info	→	District level info	→	District level info	→	District level info	→

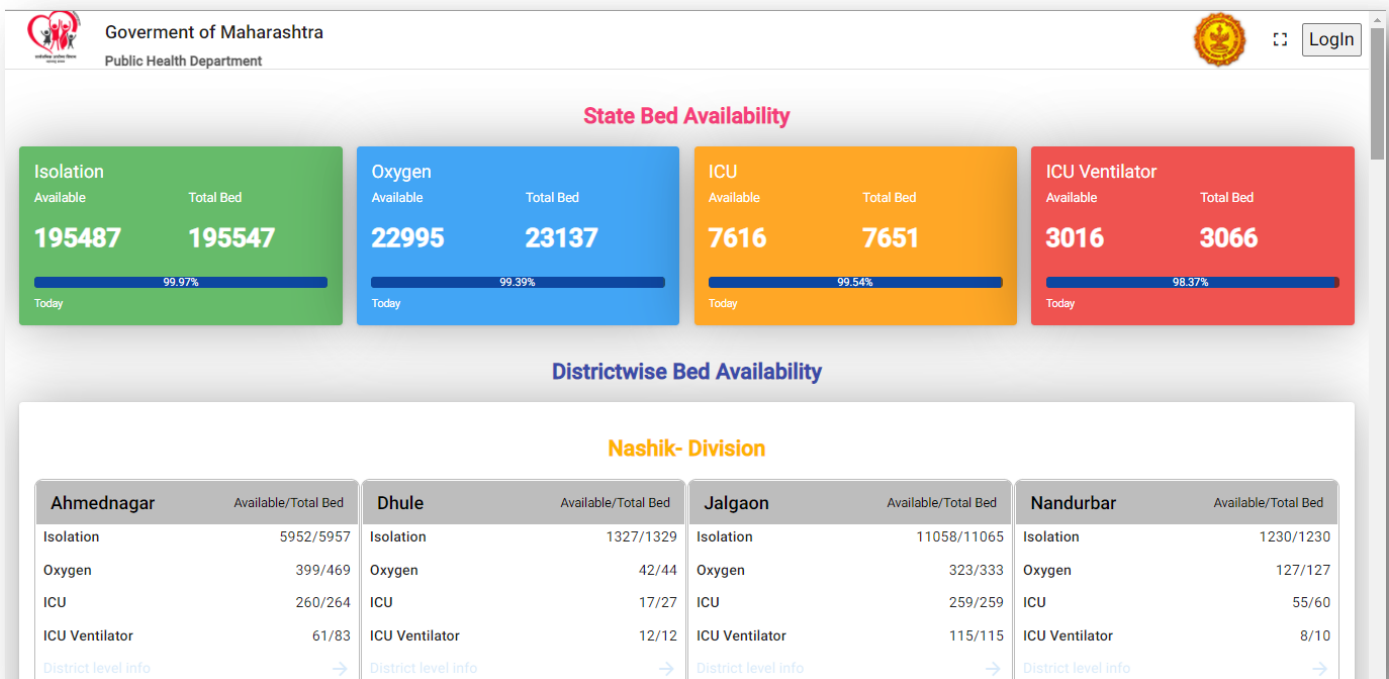
2.5 MEDICINE RESOURCE AVAILABILITY

The tab will show division and district-wise details of available medicine resources.



3. STATE BED AVAILABILITY

Bed availability of the state is view-only for the public, will be accessed without login into the system.




3.1 DIVISION AND DISTRICT-WISE BED AVAILABILITY

Pune- Division									
Kolhapur	Available/Total Bed	Pune	Available/Total Bed	Sangli	Available/Total Bed	Satara	Available/Total Bed	Solapur	Available/Total Bed
Isolation	5274/5274	Isolation	7154/7161	Isolation	11320/11320	Isolation	5046/5048	Isolation	7293/7293
Oxygen	316/316	Oxygen	1166/1173	Oxygen	1279/1279	Oxygen	597/597	Oxygen	668/668
ICU	80/80	ICU	579/575	ICU	428/428	ICU	379/379	ICU	306/308
ICU Ventilator	50/50	ICU Ventilator	156/159	ICU Ventilator	96/99	ICU Ventilator	139/139	ICU Ventilator	87/97
District level info	→	District level info	→	District level info	→	District level info	→	District level info	→

Amravati- Division									
Akola	Available/Total Bed	Amravati	Available/Total Bed	Buldhana	Available/Total Bed	Washim	Available/Total Bed	Yavatmal	Available/Total Bed
Isolation	2415/2432	Isolation	3591/3596	Isolation	3415/3410	Isolation	1181/1185	Isolation	3411/3411
Oxygen	276/276	Oxygen	272/297	Oxygen	267/267	Oxygen	485/485	Oxygen	292/292
ICU	94/94	ICU	119/114	ICU	255/255	ICU	55/55	ICU	20/20
ICU Ventilator	48/48	ICU Ventilator	47/50	ICU Ventilator	39/39	ICU Ventilator	19/19	ICU Ventilator	20/20
District level info	→	District level info	→	District level info	→	District level info	→	District level info	→


Nagpur- Division									
Bhandara	Available/Total Bed	Chandrapur	Available/Total Bed	Gadchiroli	Available/Total Bed	Gondia	Available/Total Bed	Nagpur	Available/Total Bed
Isolation	1084/1084	Isolation	1961/1963	Isolation	2135/2135	Isolation	1662/1662	Isolation	22980/22980
Oxygen	53/53	Oxygen	261/266	Oxygen	463/463	Oxygen	233/233	Oxygen	3129/3129
ICU	25/25	ICU	90/91	ICU	25/25	ICU	43/43	ICU	1211/1211
ICU Ventilator	8/8	ICU Ventilator	31/31	ICU Ventilator	34/34	ICU Ventilator	18/18	ICU Ventilator	479/479



By clicking on the district tab, the user will get the list of all hospitals for the particular district along with the availability of all types of beds in the district.



Government of Maharashtra

Public Health Department



Ahmednagar Bed Availability

Isolation

Available

5836

Total Bed

6366

91.7%

Today

Oxygen

Available

394

Total Bed

747

52.7%

Today

ICU

Available

257

Total Bed

512

50.2%

Today

ICU Ventilator

Available

228

Total Bed

233

97.9%

Today

Hospital Name

Category

Sub Category

Hospital Type

District

Ahmednagar

x

Municipal Corporation

OR

Taluka

Search

Reset

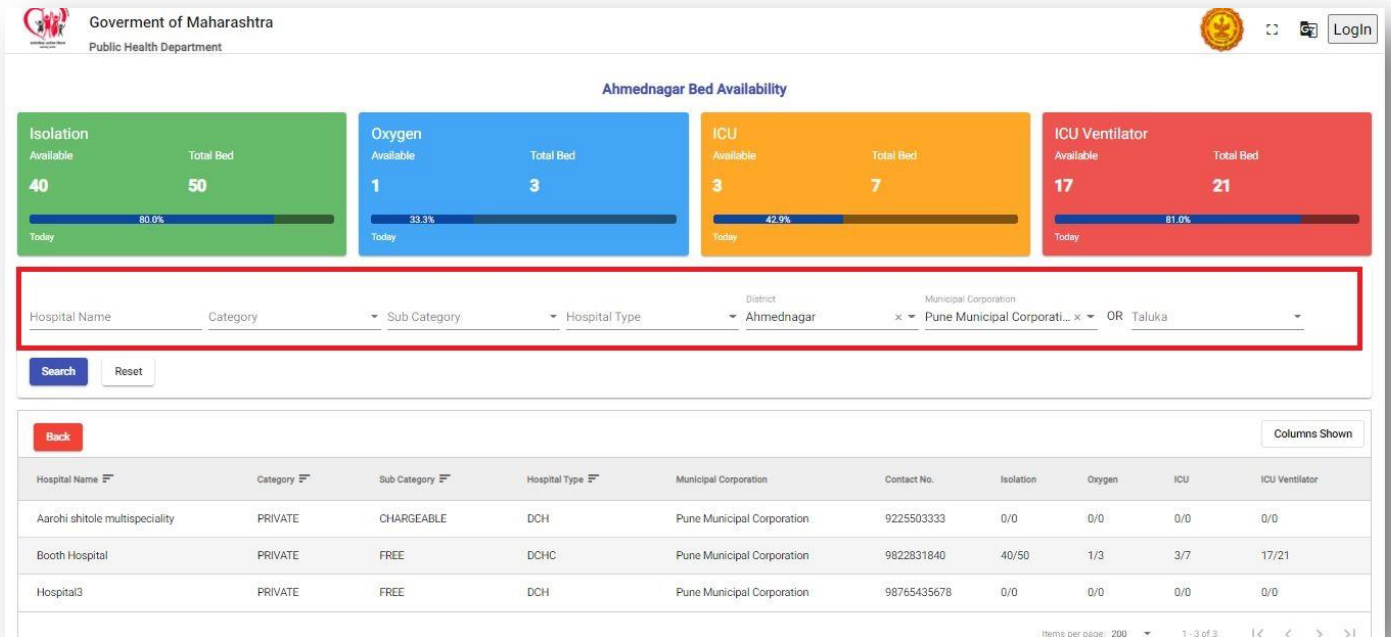
Back

Columns Shown

Hospital Name	Category	Sub Category	Hospital Type	Municipal Corporation	Contact No.	Isolation	Oxygen	ICU	ICU Ventilator
aarohi hospital	GOVT	CHARGEABLE	DCHC	Nagpur Municipal Corporation	9225500111	0/0	0/0	0/0	0/0
Aarohi Joint replacement center	PRIVATE	CHARGEABLE	DCHC	Nagpur Municipal Corporation	1234567899	0/0	0/0	0/0	0/0
Aarohi shivole multispeciality	PRIVATE	CHARGEABLE	DCH	Pune Municipal Corporation	9225503333	0/0	0/0	0/0	0/0
AIIMS Hospital	PRIVATE	FREE	DCH	Ahmednagar Municipal Corporation	9967910766	4/24	22/24	19/20	18/19

3.2 HOSPITAL SEARCH

The user can search for a particular hospital or a group of hospitals based on various filters like Hospital Name, Category, Sub-Category, Hospital Type, District, Municipal Corporation, or Taluka.



4. LOGIN PAGE

The user will log in through the web portal with provided user credentials and authenticate it through OTP sent on the registered mobile number.

Welcome Back!

Username *
dist_ahm_admin1

Password *

Login

Don't have an account? [Bed Dashboard](#)

Welcome Back!

Mobile No.
*****0760

One Time Password *

Please enter

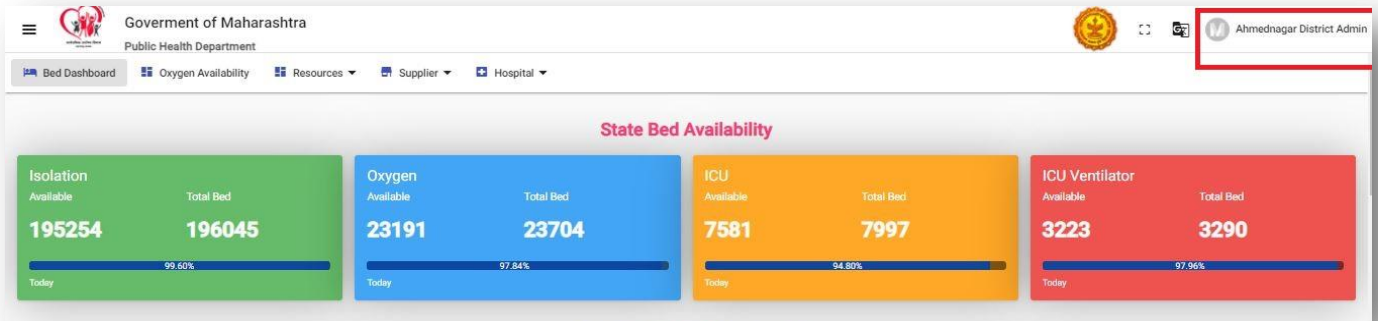
☐ Remember Me

Login

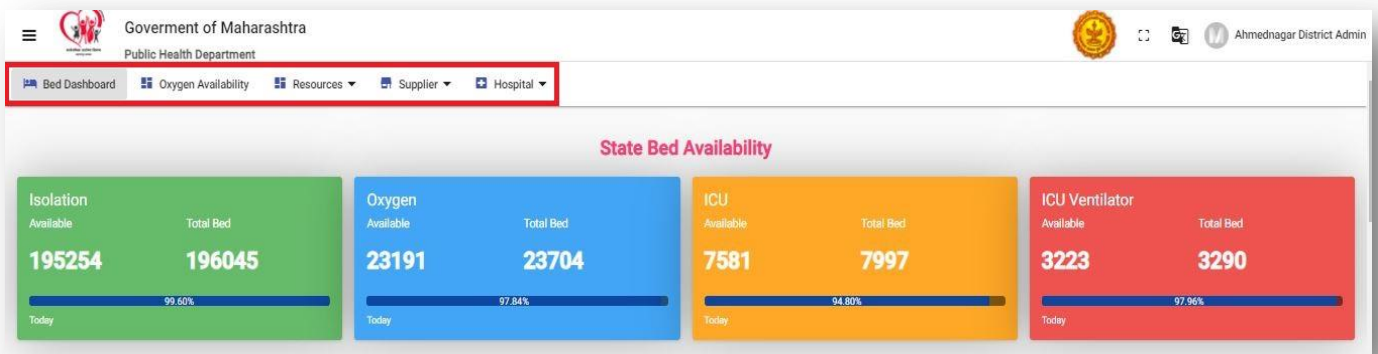
Don't have an account? [Bed Dashboard](#)

5. DIVISION AND DISTRICT ADMIN

The district and division admin user can add/update/delete the hospital and supplier information for their mapped districts/divisions.



Once logged with the web portal as 'District/Division Admin', the user will have access to the information bucketed into five categories with division-wise bifurcation i.e., Bed Dashboard, Oxygen Availability, Resources, Supplier, and Hospital. Also, with access to add, update or delete the hospital and supplier information about the district/division.



5.1 ADD, UPDATE, AND DELETE HOSPITALS

To add, update and delete hospitals, the user is required to click on the 'Hospital' tab on the top menu. The 'Hospital' tab will have a dropdown menu as 'Hospital List', by clicking on hospital list, information related to the hospital will be displayed.

The screenshot shows the 'Hospital List' form, which is accessed by clicking on the 'Hospital' tab (highlighted with a red box). The form includes fields for 'Hospital Name', 'Category', 'Sub Category', 'Hospital Type', 'District', 'Municipal Corporation', and 'OR Taluka'. There are 'Search' and 'Reset' buttons at the bottom left.

District/Division Admin users can add new hospitals by clicking on the 'Add Hospital' button.

Government of Maharashtra
Public Health Department

Bed Dashboard Oxygen Availability Resources Supplier Hospital

Hospital Name Category Sub Category Hospital Type District Municipal Corporation OR Taluka

Search Reset

Add Hospital Back

Columns Shown

Hospital Name	Category	Sub Category	Hospital Type	Municipal Corporation	Contact No.	Isolation	Oxygen	ICU	ICU Ventilator	Operation
---------------	----------	--------------	---------------	-----------------------	-------------	-----------	--------	-----	----------------	-----------

On clicking of 'Add Hospital' button, the user will be able to add new hospitals for their districts. The user to fill all mandatory detail marked with an asterisk (*). Once all the details are filled in properly, the user will click on the 'Save' button at the bottom of the screen.

Government of Maharashtra
Public Health Department

Bed Dashboard Oxygen Availability Resources Supplier Hospital

Edit Hospital

Name: ABC Hospital Category: Private

Sub Category: FREE Hospital Type: DCH

Contact No: 9988776655 District Count in Hospital: 10

Email: abc@gmail.com Registration No: 12345

License: 190848 Longitude: 74.7480

Address

Address 1: Ahmednagar Address 2:

Area: Pin Code: 444444

State: Maharashtra District: Ahmednagar

Taluka: Nagan City/Village: Ahmednagar (M Corp)

Municipal Corporation: Aurangabad Municipal Corporation

Link Supplier

Supplier Supplier Type Operation

No records found

Save Cancel

Once details are saved successfully, the hospital will be added to the hospital list of the particular district.

Government of Maharashtra
Public Health Department

Bed Dashboard Oxygen Availability Resources Supplier Hospital

Hospital Name Category Sub Category Hospital Type Ahmednagar Municipal Corporation OR Taluka

Search Reset

Add Hospital Back

Columns Shown

Hospital Name	Category	Sub Category	Hospital Type	Municipal Corporation	Contact No.	Isolation	Oxygen	ICU	ICU Ventilator	Operation
Aashvi Hospital	GOVT	CHARGEABLE	DCHC	Nagpur Municipal Corporation	9225900111	0/0	0/0	0/0	0/0	
Aashvi Joint replacement center	PRIVATE	CHARGEABLE	DCHC	Nagpur Municipal Corporation	1234567899	0/0	0/0	0/0	0/0	
Aashvi shiladhi multispecialty	PRIVATE	CHARGEABLE	DCH	Pune Municipal Corporation	9225003333	0/0	0/0	0/0	0/0	
ABC Hospital	PRIVATE	FREE	DCH	Ahmednagar Municipal Corporation	9988776655	35/35	10/10	10/10	20/20	
ABC Testing	GOVT	FREE	DCH	Ahmednagar Municipal Corporation	8796346221	0/0	0/0	0/0	0/0	
AIMS Hospital	PRIVATE	FREE	DCH	Ahmednagar Municipal Corporation	9967910766	23/24	22/24	17/20	17/19	

The user can edit/delete existing hospitals by clicking on the tabs given in the operations column (as highlighted above).

6. HOSPITAL

The user will log in with the provided login credentials and authenticate with a registered mobile number through an OTP. Once logged the user will be able to see the below screen.

The screenshot shows the 'Hospital' management interface for the Government of Maharashtra Public Health Department. The user is logged in as Subhash Gaikwad. The interface displays details for 'Booth Hospital' located in Pune. A map on the left shows the hospital's location. On the right, there are fields for Category (Private), Sub Category (Free), Longitude/Latitude, Nodal Officer, Hospital Phone (9822831840), and Hospital Email (radhahospital@pune.com.com). At the bottom, there are two large colored boxes: a green one for 'Available Stock' (131.507 MT) and an orange one for 'Supply' (9.0 MT). Navigation buttons include 'Bed Management', 'Medicine/O2 Management', 'Receive Stock', and 'Back'.

6.1 UPDATE BED OCCUPANCY

The user will update the bed occupancy by clicking on 'Bed Management' and then 'Update Bed Availability'. The user will select bed type and fill in the information for each bed type.

The screenshot shows the 'Update Bed Availability' interface. It features a table with columns: Bed Type, Occupied, On Cylinder, On LMO, On Concentrators, Last Modified, and Operation. The 'Update Bed Availability' button is highlighted with a red box. The table lists various medical equipment and their current status.

Bed Type	Occupied	On Cylinder	On LMO	On Concentrators	Last Modified	Operation
ICU Ventilator	4	3	1	0	Jul 19, 2021 01:01 PM	
ICU	4	1	2	0	Jul 19, 2021 01:00 PM	
Oxygen	2	1	1	0	Jul 19, 2021 12:59 PM	
Isolation	10	0	0	0	Jul 19, 2021 12:59 PM	
Isolation	10	0	0	0	Jul 19, 2021 12:59 PM	
ICU Ventilator	5	3	2	0	Jun 30, 2021 12:20 PM	
ICU	5	3	2	0	Jun 30, 2021 12:19 PM	

Update Bed Available

Bed Type *

Total Bed Capacity
0

Patient on O2 Cylinder
0

Patient on GS02 LMD
0

Total Occupied Beds *

Save Cancel

Bed Type	Occupied	On Cylinder
ICU Ventilator	4	3
ICU	4	1
Oxygen	2	1
Isolation	10	0
Isolation	10	0
ICU Ventilator	5	3
ICU	5	3

6.2 ADD OXYGEN AND MEDICINE INVENTORY

Hospital to add a new oxygen/medicine inventory type, the user shall click on the 'Medicine/O2' button.

Booth Hospital

Pune Pune ,Ahmednagar,Nagar, Ahmednagar, Maharashtra : 456787

Category : Private

Sub Category : Free

Longitude/Latitude : 20° 23' 46" N / 20° 23' 46" N

Nodal Officer :

Nodal Officer :

Hospital Phone : 9822831840

Hospital Email : radhahospital@pune.com.com

160.507 MT Available Stock

0.0 MT Supply

By clicking on the 'Medicine/O2' button, the user redirects to the below screen, where the user shall click on the 'Add O2/Medicine' button.

Government of Maharashtra
Public Health Department

Bed Dashboard Hospital

Hospital Inventory

Home

Booth Hospital Pune Pune ,Ahmednagar,Nagar, Ahmednagar, Maharashtra : 456787

Category : Private Nodal Officer :

Sub Category : Free Nodal Officer :

Longitude/Latitude : 20° 23' 46"N / 20° 23' 46"N Hospital Phone : 9822831840

Hospital Email : radhahospital@pune.com.com

Add O2 or Medicine Back Columns Shown

Name	Capacity	Stock	Last Modified	Operation
Cylinder (B- Type 1.5 M3)	34	10	1 month ago	Update Stock
Remedesivier Injection	0	0	2 days ago	Update Stock

By clicking on the 'Add O2/Medicine' button, the user will be able to add inventory type, stock and capacity.

Add O2 or Medicine

Inventory Type *

Cylinder (D- Type 6 M3)

Stock *

20

Capacity *

50

Save **Cancel**

6.3 UPDATE OXYGEN INVENTROY

The user to update the stock of Oxygen PSA Plant, Oxygen Concentrators, LMO Storage, and Gaseous Oxygen Cylinders. Under the 'Oxygen' tab, the user needs to click on the 'Update Stock' button (as highlighted below).

Government of Maharashtra
Public Health Department

Bed Dashboard Hospital

120.507 MT Available Stock

0.0 MT Supply

Oxygen Bed Availability Status Medicine Linked Supplier Hospital Audit Details

Oxygen Generation

Name	Functional Capacity	Installed Capacity	Last Modified	Operation
PSA Plant	100	10	1 week ago	Update Stock

By clicking the 'Update Stock' button, the user will redirect to the below screen, where the 'Update Inventory' button can be used to update the oxygen inventory

Government of Maharashtra
Public Health Department

Bed Dashboard Hospital

Home

[Update Inventory](#) [Back](#) Columns Shown

Date	Stock	Capacity	Comment	Operation
Jul 19, 2021 12:55 PM	10	100	testing stock	
Jul 16, 2021 02:41 PM	25	25	testing stock	

The user to add the number of stock and capacity, by clicking on 'Save'.

Update Inventory

Stock *

50

Capacity *

90

Comment

[Save](#) [Cancel](#)

6.4 UPDATE MEDICINE INVENTROY

For the user to update the medicine inventory, under the 'Medicine' tab, the user needs to click on the 'Update Stock' button (as highlighted below).

The screenshot shows the Government of Maharashtra Public Health Department dashboard. The 'Medicine' tab is selected, displaying a table of medicines. The 'Update Stock' button for the first medicine, Remedesivier Injection, is highlighted with a red box.

Name	Stock	Last Modified	Operation
Remedesivier Injection	0	2 days ago	Update Stock
Tocilizumab	1	2 days ago	Update Stock
Favipiravir	5	2 days ago	Update Stock
Amphotericin B	50	1 month ago	Update Stock
Itolizumab	10	2 months ago	Update Stock

By clicking the 'Update Stock' button, the user will redirect to the below screen, where the 'Update Inventory' button can be used to update the medicine stock.

The screenshot shows the 'Update Inventory' screen. It features a table with columns for Date, Stock, Capacity, Comment, and Operation. The 'Update Inventory' button is highlighted with a red box.

Date	Stock	Capacity	Comment	Operation
Jul 19, 2021 12:55 PM	10	100	testing stock	Update
Jul 16, 2021 02:41 PM	25	25	testing stock	Update

The user to add the number of stock and capacity, by clicking on 'Save'.

The screenshot shows the 'Update Inventory' form. It contains input fields for Stock, Capacity, and Comment. The 'Save' button is highlighted with a red box.

Update Inventory

Stock *
50

Capacity *
90

Comment

[Save](#) [Cancel](#)

7. SUPPLIER

There are various types of suppliers, as mentioned below:

- I. LMO Manufacture
- II. Oxygen Re-filler
- III. Oxygen Distributor
- IV. Oxygen Consuming Industry
- V. Medicine Dealer

The above supplier can add/update/delete the oxygen or medicine inventory by login into the web portal.

With supplier login, it will show the supplier details with its oxygen capacity for various types. The user can add, update and delete the stock.

The screenshot shows the 'Supplier' page for 'Shri Mahalaxmi Oxygen'. The page includes a header with the Government of Maharashtra logo and 'Public Health Department'. A sidebar on the left has a 'Supplier' dropdown menu. The main content area displays the supplier's name, address ('Kaneriwadi Gokul Shirgaon', 'Shahuwadi, Kolhapur, Maharashtra : 0'), and contact details (Contact No., Email Address, Longitude/Latitude). Below this, there are two large colored boxes: an orange box labeled '53.0 MT Distribution' and a green box labeled '20.364 MT Available Stock'. On the right side, there are buttons for 'Medicine/O2', 'Trips', and 'Back'.

7.1 ADD, UPDATE. DELETE INVENTORY

By clicking on the 'Medicine/O2' button, the user redirects to the below screen, where the user shall click on the 'Add O2/Medicine' button.

The screenshot shows the 'Supplier Inventory' page. It features a header with the Government of Maharashtra logo and 'Public Health Department'. A sidebar on the left has a 'Supplier' dropdown menu. The main content area displays the supplier's name, address ('Kaneriwadi Gokul Shirgaon', 'Shahuwadi, Kolhapur, Maharashtra : 0'), and contact details (Contact No., Email Address, Longitude/Latitude). Below this, there are two buttons: 'Add O2 or Medicine' and 'Back'. At the bottom, there is a table with the following columns: Name, Capacity, Stock, Last Modified, and Operation. The table contains four rows of data.

Name	Capacity	Stock	Last Modified	Operation
Cylinder (B- Type 1.5 M3)	10	10	1 month ago	
Cylinder (D- Type 6 M3)	100	40	2 weeks ago	
Cylinder (A- Type 0.7 M3)	40	40	2 weeks ago	
LMO Storage	30	20	4 days ago	

By clicking on the 'Add O2/Medicine' button, the user will be able to add inventory type, stock, and capacity.

Add O2 or Medicine

Inventory Type *

Cylinder (D- Type 6 M3)

Stock *

20

Capacity *

50

Save Cancel

Add MANUFACTURER					Columns Shown
Name	Contact No.	Email	District	Operation	
DEFGH	8977324458	defgh@gmail.com	Akola		
M/s. SUNNY INDUSTRIALSALES PRIVATE LIMITED	--	--	Nashik		
Akshay Oxygen and IndustrialGases Pvt Ltd	--	--	Nashik		
Ravindra Oxygen Co Pvt Ltd	--	--	Nashik		
Swastic Air Products	9822831840	--	Nashik		
Rukmini Metals and Gases gases Pvt Ltd.	--	--	Aurangabad		
Sagar Gases Pvt Ltd	--	--	Aurangabad		
R.L STEELS OPERATED BY SAGAR GASES	--	--	Aurangabad		
M.S.Oxygen Pvt.Ltd.	--	--	Jalgaon		
sssem Gases Pvt.Ltd.	7878898789	sssem@gmail.com	Hingoli		

8. OXYGEN TRACKING MODULE

To maintain and track oxygen supply at various locations, an independent supply tracking module is integrated with the web portal of CCMH. It mainly consisting of two entities:



8.1 TRIP MANAGEMENT

The module is designed to track the oxygen supply from suppliers to various stakeholders (receiver) such as re-filler distributors, hospitals, and Oxygen Consuming Industries, and a similar module will be available for the receiver as well.

8.2 SUPPLIER

There are different types of suppliers, below are the suppliers:

1. LMO Manufactures
2. Oxygen Re-fillers
3. Oxygen Distributors
4. Oxygen Consuming Industries
5. Medicine Dealer

The user (manufacture) will initiate the trip, by clicking the 'Trip' button.

Government of Maharashtra
Public Health Department

Bed Dashboard Supplier

My Supplier

Shri Mahalaxmi Oxygen

"Kaneriwadi Gokul Shirgaon" „Shahuwadi, Kolhapur, Maharashtra : 0

Contact No :
Email Address :
Longitude/Latitude : /

20.0 MT
Distribution

20.364 MT
Available Stock

Trips Back

After clicking the 'Trip' button, in the next step user will click on 'Add Trip' to initiate the supply of oxygen.

Government of Maharashtra
Public Health Department

Bed Dashboard Supplier

Supplier Trips

Home

Shri Mahalaxmi Oxygen

"Kaneriwadi Gokul Shirgaon" „Shahuwadi, Kolhapur, Maharashtra : 0

Contact No :
Email Address :
Longitude/Latitude : /

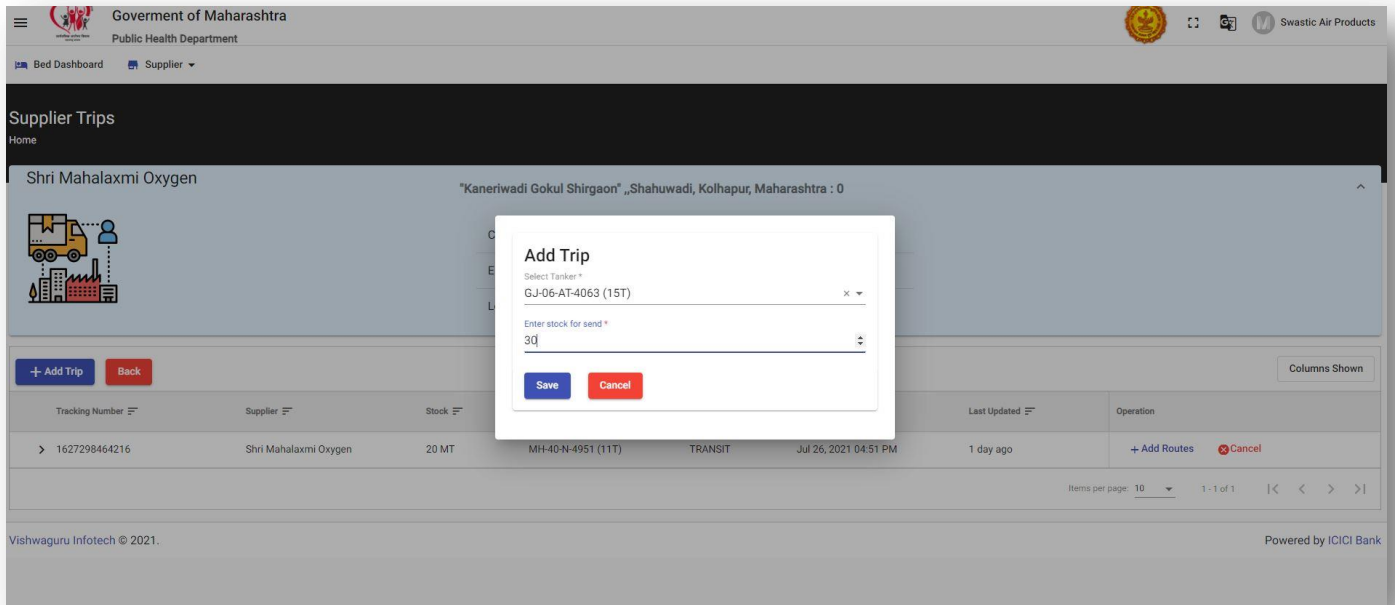
+ Add Trip Back

Tracking Number	Supplier	Stock	Number Plate	Status	Created On	Last Updated	Operation
> 1627298464216	Shri Mahalaxmi Oxygen	20 MT	MH-40-N-4951 (11T)	TRANSIT	Jul 26, 2021 04:51 PM	1 day ago	+ Add Routes Cancel

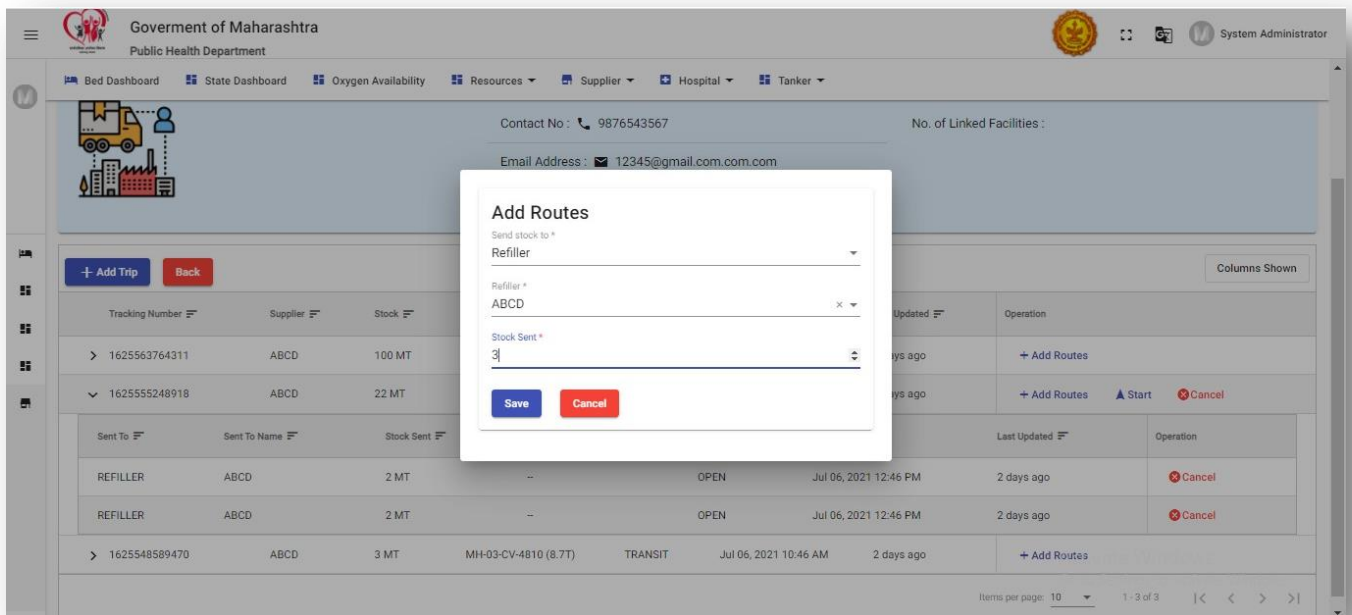
Items per page: 10 1 - 1 of 1

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The user will select the tanker, enter the stock to be sent and save the details for the next step.



After adding the trip, the next step will be to 'Add Routes', through this the user will add multiple routes. The user will select the receiver and stock sent.



After adding routes, the user will be able to view the multiple routes added for the supply of oxygen (as highlighted below).

Government of Maharashtra
Public Health Department

Bed Dashboard Supplier

Shri Mahalaxmi Oxygen "Kaneriwadi Gokul Shirgaon", „Shahuwadi, Kolhapur, Maharashtra : 0

Contact No :
Email Address :
Longitude/Latitude : /

+ Add Trip Back Columns Shown

Tracking Number	Supplier	Stock	Number Plate	Status	Created On	Last Updated	Operation
1627389192910	Shri Mahalaxmi Oxygen	30 MT	GJ-06-AT-4063 (1ST)	OPEN	Jul 27, 2021 06:03 PM	5 minutes ago	+ Add Routes Start Cancel
Sent To	Sent To Name	Stock Sent	Stock Received	Status	Created Date	Last Updated	Operation
Refiller	Jadhav Gases +Pinnacle Industries	5 MT	--	OPEN	Jul 27, 2021 06:04 PM	4 minutes ago	Cancel
Industry	oxytech	5 MT	--	OPEN	Jul 27, 2021 06:05 PM	3 minutes ago	Cancel
HOSPITAL	Booth Hospital	10 MT	--	OPEN	Jul 27, 2021 06:04 PM	4 minutes ago	Cancel

8.3 RECEIVER

The receiver can be a re-filler, distributor, hospital, Oxygen Consuming Industries, etc. Once the stock is received, by clicking the 'Receive Stock' button in their log in the user will be able to view and confirm the stock received.

Government of Maharashtra
Public Health Department

Bed Dashboard Hospital

Booth Hospital Pune Pune ,Ahmednagar,Nagar, Ahmednagar, Maharashtra : 456787

Category : Private
Sub Category : Free
Longitude/Latitude : /

Nodal Officer :
Nodal Officer :
Hospital Phone : 9822831840
Hospital Email : radhahospital@pune.com.com

Bed Management Medicine/O2 **Receive Stock** Back

131.507 MT Available Stock
19.0 MT Supply

After clicking on 'Receive Stock', the user will be able to view the list of stock received or to be received from different suppliers.

Government of Maharashtra
Public Health Department

Bed Dashboard Hospital

Supply

Home

Booth Hospital Pune Pune ,Ahmednagar,Nagar, Ahmednagar, Maharashtra : 456787

Category : Private
Sub Category : Free
Longitude/Latitude : /

Nodal Officer :
Nodal Officer :
Hospital Phone : 9822831840
Hospital Email : radhahospital@pune.com.com

Back Columns Shown

Tracking Number	Tanker Number	Supplier	Stock Sent	Stock Received	Status	Created Date	Last Updated	Operation
1627389192910	GJ-06-AT-4063 (15T)	-	10 MT	-	TRANSIT	Jul 27, 2021 06:04 PM	6 minutes ago	✓Receive
1626350830645	MH-04-FD-9273 (3.28T)	-	4 MT	-	TRANSIT	Jul 19, 2021 03:53 PM	1 day ago	✓Receive
1627214014505	MH-40-CD-0751 (14T)	-	5 MT	-	TRANSIT	Jul 25, 2021 05:24 PM	2 days ago	✓Receive
1626862556050	KA-01-AK-1453 (22T)	-	10 MT	-	OPEN	Jul 21, 2021 03:46 PM	6 days ago	
1626423432412	MH-04-HD-3369 (11.38T)	-	1 MT	1	RECEIVED	Jul 16, 2021 01:48 PM	1 week ago	

The user will acknowledge the received stock after clicking 'Receive' and save the information by submitting the quantity received.

Government of Maharashtra
Public Health Department

Bed Dashboard Hospital

Supply

Home

Booth Hospital Pune Pune ,Ahmednagar,Nagar, Ahmednagar, Maharashtra : 456787

Category : Private
Sub Category : Free
Longitude/Latitude : /

Nodal Officer :
Nodal Officer :
Hospital Phone : 9822831840
Hospital Email : radhahospital@pune.com.com

Back Columns Shown

Tracking Number	Tanker Number	Supplier	Stock Sent	Stock Received	Status	Created Date	Last Updated	Operation
1627389192910	GJ-06-AT-4063 (15T)	-	10 MT	-	TRANSIT	Jul 27, 2021 06:04 PM	8 minutes ago	✓Receive
1626350830645	MH-04-FD-9273 (3.28T)	-	4 MT	-	TRANSIT	Jul 19, 2021 03:53 PM	1 day ago	✓Receive
1627214014505	MH-40-CD-0751 (14T)	-	5 MT	-	TRANSIT	Jul 25, 2021 05:24 PM	2 days ago	✓Receive
1626862556050	KA-01-AK-1453 (22T)	-	10 MT	-	OPEN	Jul 21, 2021 03:46 PM	6 days ago	

Stock Sent
10

Stock Received *

10

Save Cancel

Note:

1. The supplier cannot select the tanker which is in transit.
2. The supplier can modify (add/cancel routes) the trip before the receiver receives and acknowledge the received stock.

9. HOSPITAL AUDIT

In this module, four types of audits namely as Oxygen Consumption Audit(Oxygen_Audit_Form_A), Electricity and Fire Safety Audit (Oxygen_Audit_Form_A), Civil Structural Audit , and Rate Regulation Audit only for private hospitals.

The auditor will do login with the provided login credentials and create the new audit for the required hospital by selecting the hospital name.

The screenshot shows the 'Audit Management System' interface. A modal form titled 'Add New Audit' is open, allowing the user to create a new audit. The form includes fields for 'Hospital *' (Booth Hospital), 'Auditor Name *' (Tejaswini Pawar), 'Audit Date' (2021-11-23), and 'Remark *' (Audit Started). There are 'Save' and 'Cancel' buttons at the bottom of the modal. In the background, a table lists existing audits with columns for Audit Id, Hospital Name, Audit Date, Audit Status, and Operation.

Audit Id	Hospital Name	Audit Date	Audit Status	Operation
65	AllIMS Hospital	23 Nov, 2021	AUDIT CREATED	Audit Update Status
64	AllIMS Hospital	21 Nov, 2021	AUDIT CREATED	Audit Update Status
63	Siddhivinayak Hospital	21 Nov, 2021	AUDIT CREATED	Audit Update Status
62	Siddhivinayak Hospital	21 Nov, 2021	AUDIT CREATED	Audit Update Status
61	Shamika Hospital	21 Nov, 2021	AUDIT CREATED	Audit Update Status
60	AllIMS Hospital	18 Nov, 2021	CREATED	CREATED 10 0 AUDIT CREATED Audit Update Status
59	Zenith Hospital	19 Nov, 2021	INREVIEW	INREVIEW 0 0 AUDIT INREVIEW Audit Update Status
58	Siddhivinayak Hospital	17 Nov, 2021	COMPLETED	COMPLETED 0 0 AUDIT COMPLETED Audit

Once audit is created it will be comes in the audit list with the created status. Here Auditor is having two options 1. Audit and 2. Update status. By clicking on the Audit auditor will fill the required forms for the hospital like Oxygen Audit Form A, and by clicking on Updtae Status auditor can give the remark for the different types of forms filled in the audit procedure.

The screenshot shows the 'Form A List' page in the Audit Management System. The page has a header with navigation tabs for Annexure A,B,C, Oxygen Audit Form S, Oxygen Audit Form A, Monitor Form, Rate Regulation Form, Form 1A, Form 1B, and Form 1C. The 'Oxygen Audit Form A' tab is selected. Below the header, there is a table with columns for Audit Id, Hospital Name, Hospital Address, Hospital Type, Hospital Contact, Incharge Name, Form Name, and Operation. The table currently shows 'No records found'. There are 'Add New Form A' and 'Back' buttons at the top left of the table area. The footer of the page includes 'Vishwaguru Infotech © 2021.' and 'Powered by ICICI Bank'.

Form those are filled by hospital user and are incomplete its status will be **INPROGRESS**. If hospital user fill the all form and do submit for the auditor review he wont be able to edit it again and form status will be **In Review**. Those forms are in review Auditor will verify that and mark the status. If auditor will find any deficiency auditor will mark it as well. For the deficiency Hospital user needs to verify and complete the form again and submit for the review to the auditor.

Form 1A- Summary of hospitals in a district and various audit status

Form 1B- Summary of daily consumption of oxygen in a district

Form 1C- Summary of the oxygen audit conducted in a district.

New Audit

Audit Id	Hospital Name	Audit Date
65	AIIMS Hospital	23 Nov, 2021
64	AIIMS Hospital	21 Nov, 2021
63	Siddhivinayak Hospital	21 Nov, 2021
62	Siddhivinayak Hospital	21 Nov, 2021
61	Shamika Hospital	21 Nov, 2021
60	AIIMS Hospital	18 Nov, 2021
59	Zenith Hospital	19 Nov, 2021
58	Siddhivinayak Hospital	17 Nov, 2021
57	AIIMS Hospital	16 Nov, 2021
56	Booth Hospital	16 Nov, 2021

Booth Hospital

Auditor Name *

Tejashwini Mane

Audit Date

2021-11-16

Number Of Deficiency Found *

0

Number Of Deficiency completed *

0

Form S Status *

Inprogress

Annexure ABC Status *

Review

Rate Regulation Status *

Inprogress

Oxygen Monitoring Status *

Completed

Audit Status *

Inprogress

Remark *

Testing for permissions

Save

Cancel

Columns Shown

Audit Status	Operation
AUDIT CREATED	Audit Update Status
AUDIT CREATED	Audit Update Status
AUDIT CREATED	Audit Update Status
AUDIT CREATED	Audit Update Status
AUDIT CREATED	Audit Update Status
AUDIT INREVIEW	Audit Update Status
AUDIT COMPLETED	Audit
AUDIT INPROGRESS	Audit Update Status
AUDIT INPROGRESS	Audit Update Status

Items per page: 10

1 - 10 of 27

< >

Once Audit is created Hospital user also able to see the Audit created and then he will fill the hospital realted audit form like Annexure ABC, Oxygen Audit Form S, Monitor Form and Rate regulation form by clicking on the Audit option.

Audit Id	Hospital Name	Audit Date	Annexure Status	Form S Status	Deficiencies	Deficiencies Completed	Audit Status	Operation
63	Siddhivinayak Hospital	21 Nov, 2021	CREATED	CREATED	0	0	AUDIT CREATED	Audit
62	Siddhivinayak Hospital	21 Nov, 2021	CREATED	CREATED	0	0	AUDIT CREATED	Audit
58	Siddhivinayak Hospital	17 Nov, 2021	COMPLETED	COMPLETED	0	0	AUDIT COMPLETED	Audit
55	Siddhivinayak Hospital	16 Nov, 2021	COMPLETED	COMPLETED	4	2	AUDIT COMPLETED	Audit
46	Siddhivinayak Hospital	11 Nov, 2021	DEFECIENCIES	INPROGRESS	4	3	AUDIT INPROGRESS	Audit
43	Siddhivinayak Hospital	12 Nov, 2021	INREVIEW	INPROGRESS	9	1	AUDIT INPROGRESS	Audit

Audit Management System
Public Health Department

Annexure A,B,C Oxygen Audit Form S Oxygen Audit Form A Monitor Form Rate Regulation Form

home
Home

COVID HOSPITAL INSPECTION/OXYGEN AUDIT FORM:
(GOVT. OF MAHARASHTRA)
Self Certification To Be Done By Hospital Management

1 A. GENERAL INFORMATION OF HOSPITAL

Name of Covid Hospital: Siddhivinayak Hospital

Type: DCH

Name of Incharge Dr. of Covid Hospital: Dr. Tushar Chavan

Hospital Address: Shri Nagar, Pune, 411043. Telephone No.: 6787678787

Beds in Hospital:

Normal Beds: 10

O2 Support Beds: 20

Patients on Oxygen:

Patient on Oxygen Cylinders: 12

Patient on Oxygen Piped Beds: 13

10. PLANTS MANAGEMENT

In the plant mangement user is able to add the details of different oxygen plants types. Those are listed below:

- PSA
- LMO
- ASU
- Cylinders Facilities
- Cylinders Refillers


User is able to add, edit, update the different plants information.

PSA Plants

Home Plants Language Account

[+ Create a new PSA](#)

ID	Hospital / Facility name	Address	Pin Code	Unique PSA ID	Plant capacity (LPM)	Plant Capacity In MT	Status	Cancelled - Reason	Work order Issued	Not Issued - Reason	Work order date	Vendor Name	Vendor Contact No	Issued - Current Status	Expected date of completion for O2 generation	CSR Source	Total Amount in Lacs	District Nodal Office Name
9	AllMS Hospital	State Highway 60, Tarapur, Ahmednagar, Maharashtra	414001	PSA1601	20	1	Proposed		true		Jul 29, 2021, 12:00:00 AM	Ajit Nayar	8989787878	work is scheduled and plans are designed	Jul 29, 2021, 12:00:00 AM		400000	Rohan
10	CRHP Jamkhed	Near Ganesh Temple, Radha Nagar, Nagar	414001	PSA1201	30	40	Proposed		true		Jul 29, 2021, 12:00:00 AM		9967910766	Open	Aug 10, 2021, 12:00:00 AM		6000000	Ahem, Office
11	VG Hospital	Kalas, Near Aalandi Pune, Mauli Mandir, Aalandi, Khed (Rajgurunagar),	453432	PSA2101	20	50	Cancelled		true	NOt Issued	Jul 29, 2021, 12:00:00 AM		9822831840	Yes	Aug 31, 2021, 12:00:00 AM		2000000	Pune C



[Home](#)
[Plants](#)
[Language](#)
[Account](#)

Create or edit a PSA

Division

District

Hospital / Facility name

Address

Pin Code

Type of Plant

Municipal Corporation

11. MOBILE APPLICATION (ANDROID AND IOS)

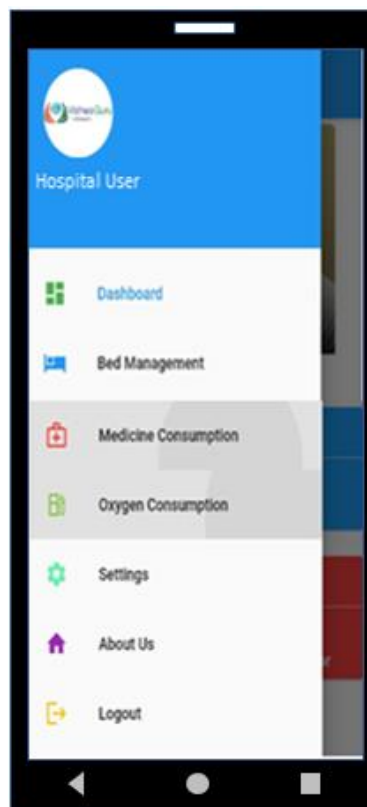
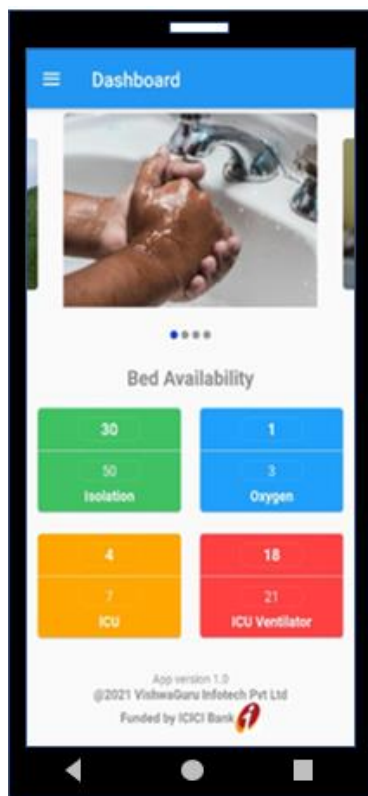
The mobile application i.e., 'MHCCMS' for Android and IOS is available. The user will be able to download and install through the app store or by clicking on the below icons:



Below is the login screen of the CCMS Mobile Application, where the user will be able to login into the application.

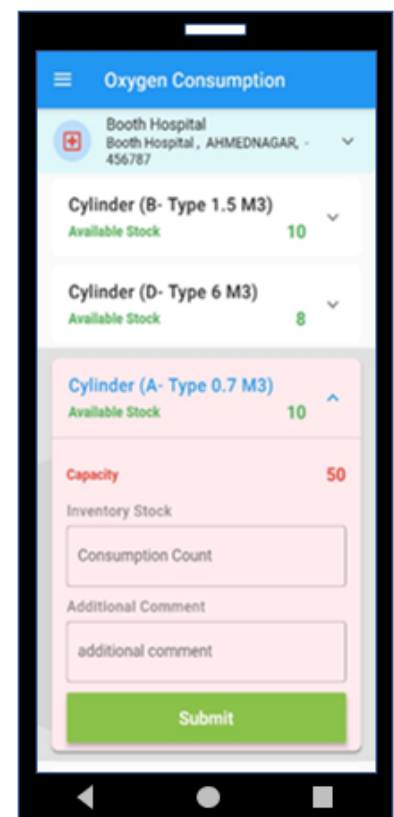
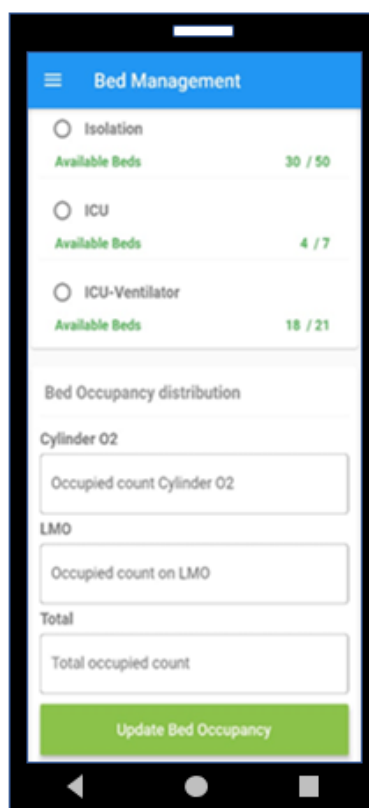
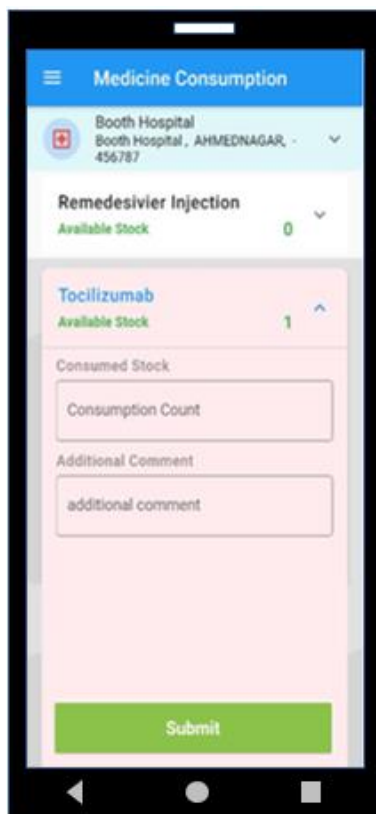


Once logged in to the application, the user will be directed to the bed availability dashboard where district-wise availability of various types of beds will be shown.



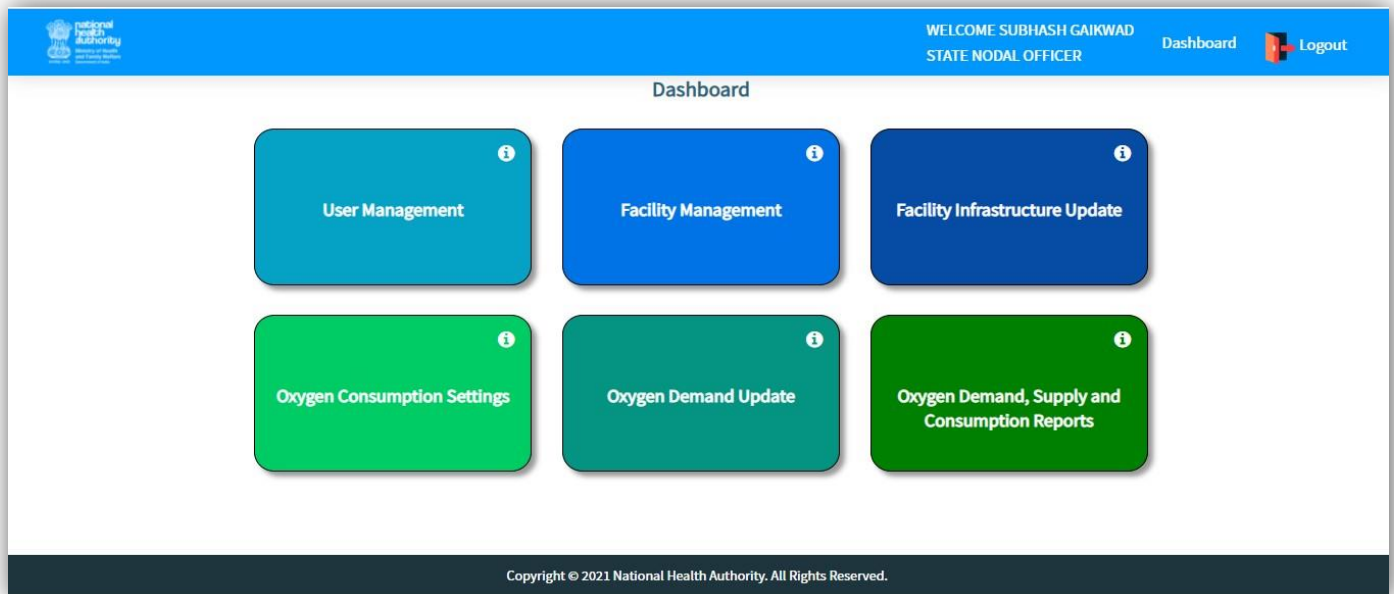
Drawer menu (☰) on the top left corner, the hospital user will be able to add, update, delete or modify the bed, medicine, and oxygen inventory.

As shown in the above screenshot, after clicking on bed management/medicine consumption/oxygen consumption, the user will be able to update bed, medicine, or oxygen inventory. (Please refer to the below screenshots)



12. ODAS INTEGRATION

CCMS has done the ODAS integration. In this integration CCMS has given the access of the hospital details to the ODAS, which user can see on the ODAS portal.



ANNEXURE

Below mentioned are the various reports for hospital and the supplier are available in different given formats below:



HOSPITAL REPORTS

1. Hospital Details
2. Hospital Bed Availability
3. Hospital Oxygen Availability/Capacity
4. Hospital Medicine Availability
5. Hospital Linked Supplier Report
6. O2 Normative Requirement Report (LT & MT)
7. Hospital Audit Compliance
8. Hospital User List

SUPPLIER REPORTS

1. Supplier Details
2. Oxygen Stock/Capacity Based on Cylinder Type
3. Supplier Medicine Availability
4. Supplier Trip Status Report
5. Supplier Distribution Details
6. Supplier User List

Note: Please feel free to reach us through email.



Data Collection:

ccms.datacollection@jeevandayee.gov.in



Technical Support:

ccms.support@jeevandayee.gov.in
