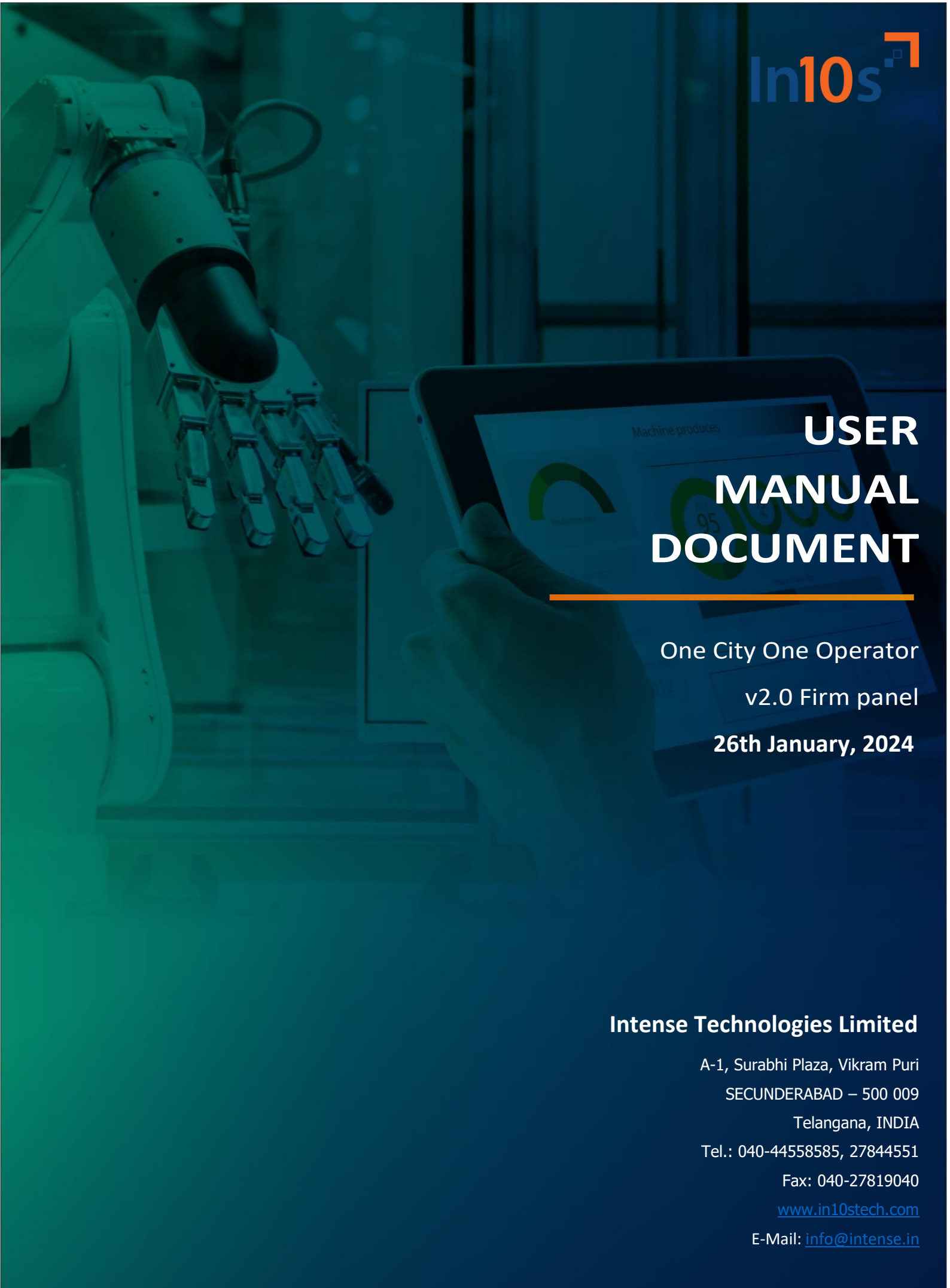

USER MANUAL DOCUMENT

One City One Operator

v2.0 Firm panel

26th January, 2024

Intense Technologies Limited

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1. INTRODUCTION

The OCOP project addresses the challenges faced by growing cities and towns in maintaining sewage infrastructure. Municipal bodies struggle with aging assets and poor maintenance, prompting the need for a One City One Operator model. This model introduces long-term O&M contracts to set new benchmarks in system maintenance and effluent treatment. Professional companies are invited to manage both the collection system and sewage treatment plants, ensuring single-point accountability and overall reliability.

Recognizing water's significance for agriculture and industrial growth, the project promotes wastewater recycling and reuse at a low cost, catering to local industry and irrigation needs. In summary, OCOP aims to revolutionize sewage infrastructure management through innovation, accountability, and sustainable practices.

1.1 Brief Overview

The One City One Operator (OCOP) model aims to revolutionize sewage infrastructure management in growing cities. Facing challenges of aging assets and poor maintenance, OCOP introduces long-term contracts, inviting professional companies to manage both collection systems and sewage treatment plants. The model emphasizes accountability, incorporating a Major Replacement Fund for prompt equipment replacement. Public health concerns are addressed with a mandated 24/7 customer care center. OCOP embraces technology, encourages profit-sharing, and explores power generation, offering innovative and sustainable solutions for wastewater recycling and reuse in agriculture and industry.

1.2 Purpose of the Manual

The purpose of the manual would be to provide comprehensive guidance and information to organization involved in the implementation, management, and operation of the One City One Operator (OCOP) model for sewage infrastructure. The manual aims to:

- Educate members
- Guide Implementation
- Clarify Responsibilities
- Facilitate Maintenance
- Provide Reference Material

2. TECHNICAL SPECIFICATION

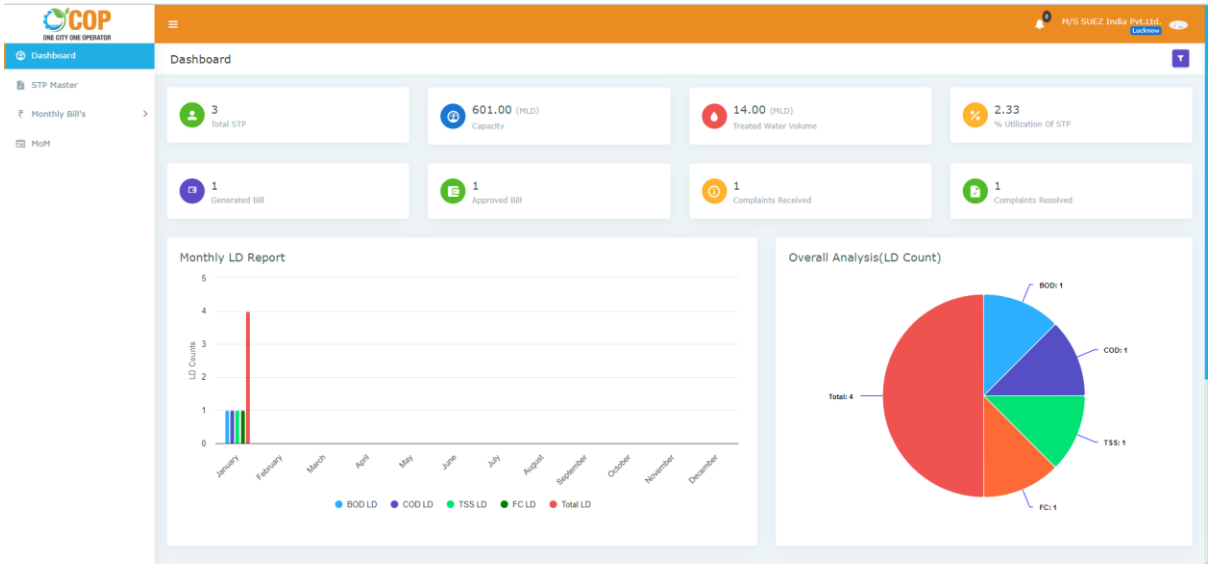
- Operating system: Windows, macOS, Linux.
- Web browsers: A modern web browsers Google chrome, Mozilla Firefox, Microsoft Edge.
- Internet connection should be there.

3. GETTING STARTED

3.1 STP Account

❖ Go to http://occo.intense.in

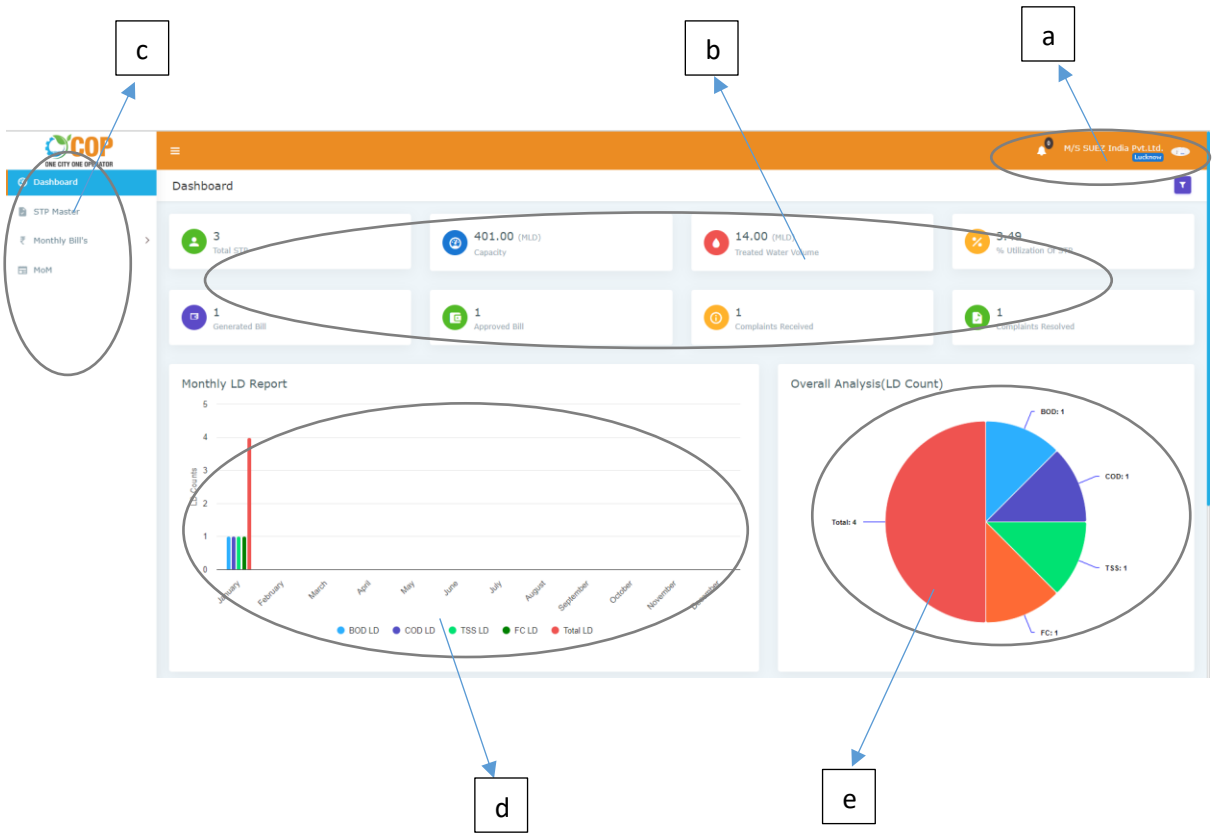
❖ Enter Firm Id and Password for entering into that account then click on Login button.

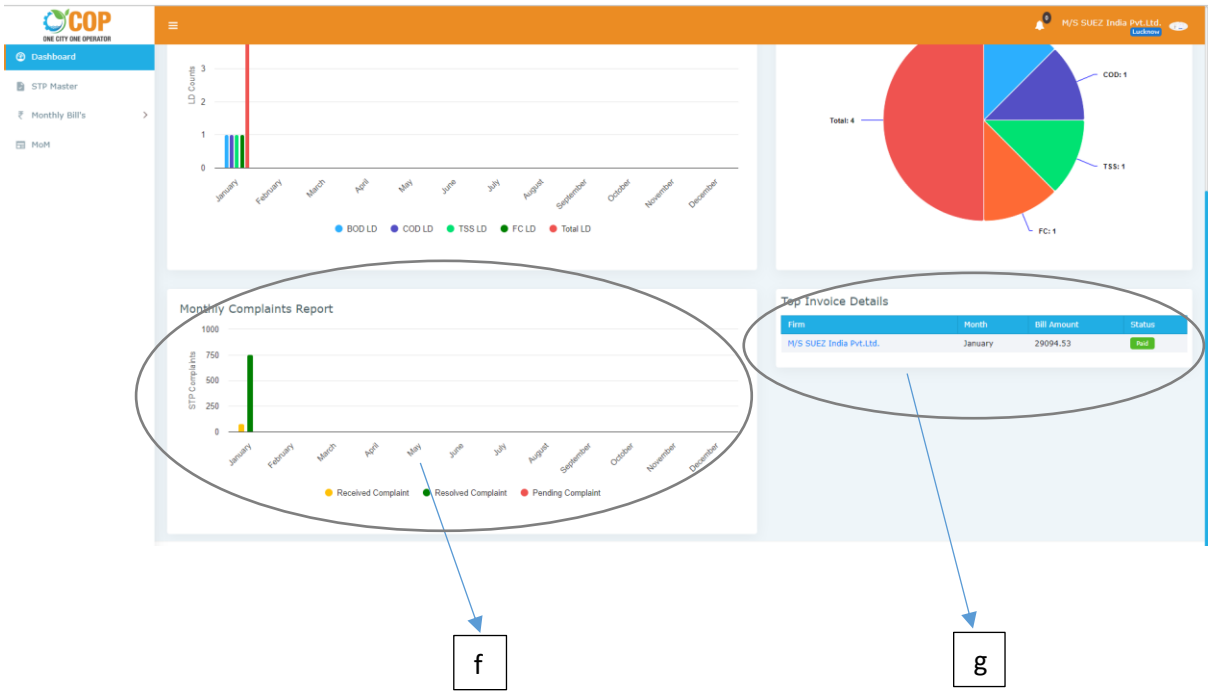


- Firm user entered into their authorized account.

3.2 Firm's Dashboard Overview

- After logging in, you will be entered into a Firm dashboard. The dashboard provides a various feature to Firm user.





f

g

a. Firm profile, there are three options such as:

- Update profile
- Change password
- Logout

b. Showing dynamic data of OCOP. Such as:

- Total STP in that particular Firm.
- MLD capacity amount.
- Amount of treated water volume.
- Utilization of STP in %.
- Generated bills
- Approved bills
- Number of complaints received
- Number of complaints resolved

c. This is a side navbar. Where Firm user have various features to use.

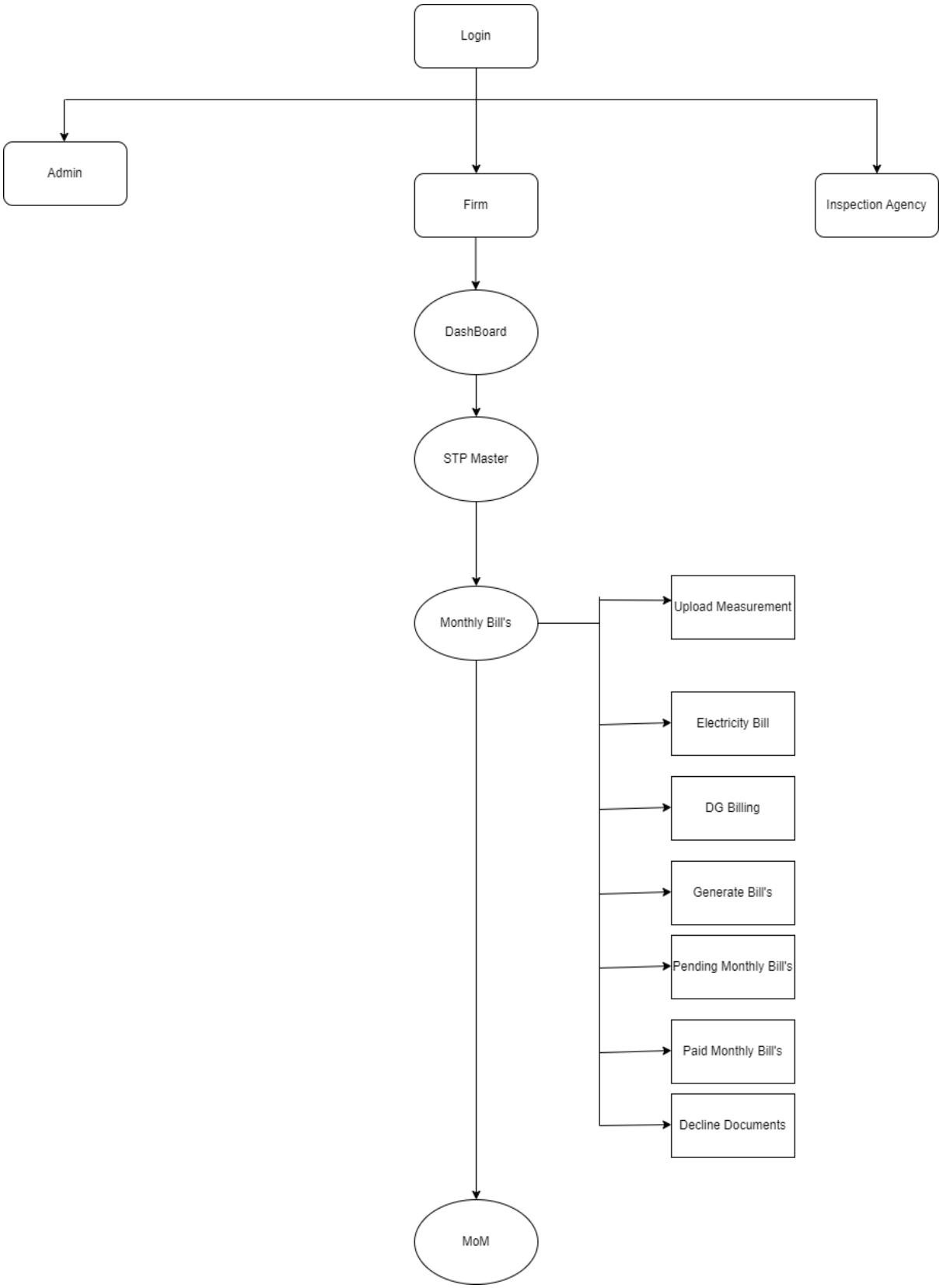
d. Monthly LD reports in a bar graph format.

e. Overall Analysis in a Pie chart format.

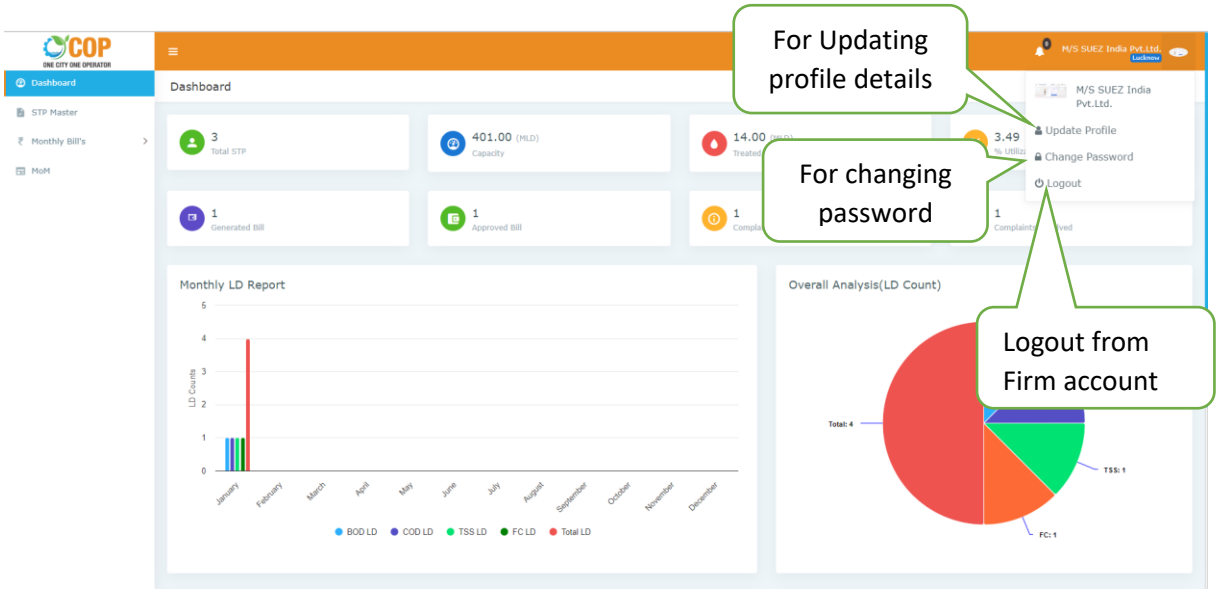
f. Monthly complaints report in a bar graph.

g. Top Invoices details list is showing here, with their Firm name, month, bill amount, status(paid/pending/In-process).

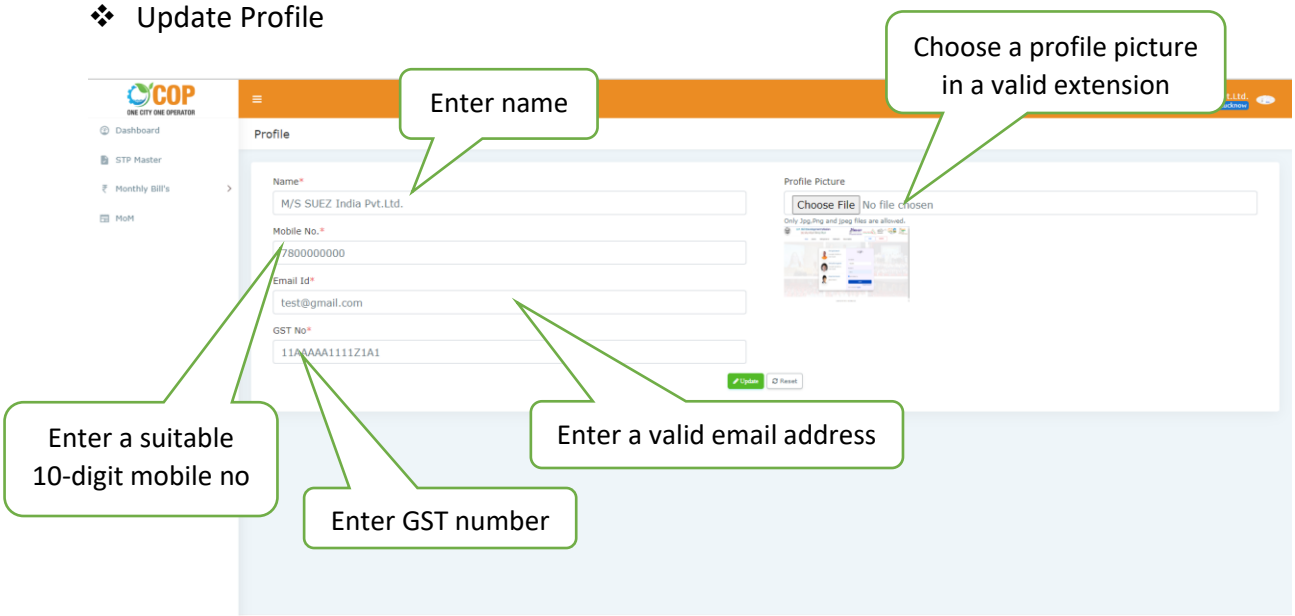
4. OVERVIEW


Login
Admin
Firm
Inspection Agency
DashBoard
STP Master
Monthly Bill's
Upload Measurement
Electricity Bill
DG Billing
Generate Bill's
Pending Monthly Bill's
Paid Monthly Bill's
Decline Documents
MoM

a. Firm Profile:



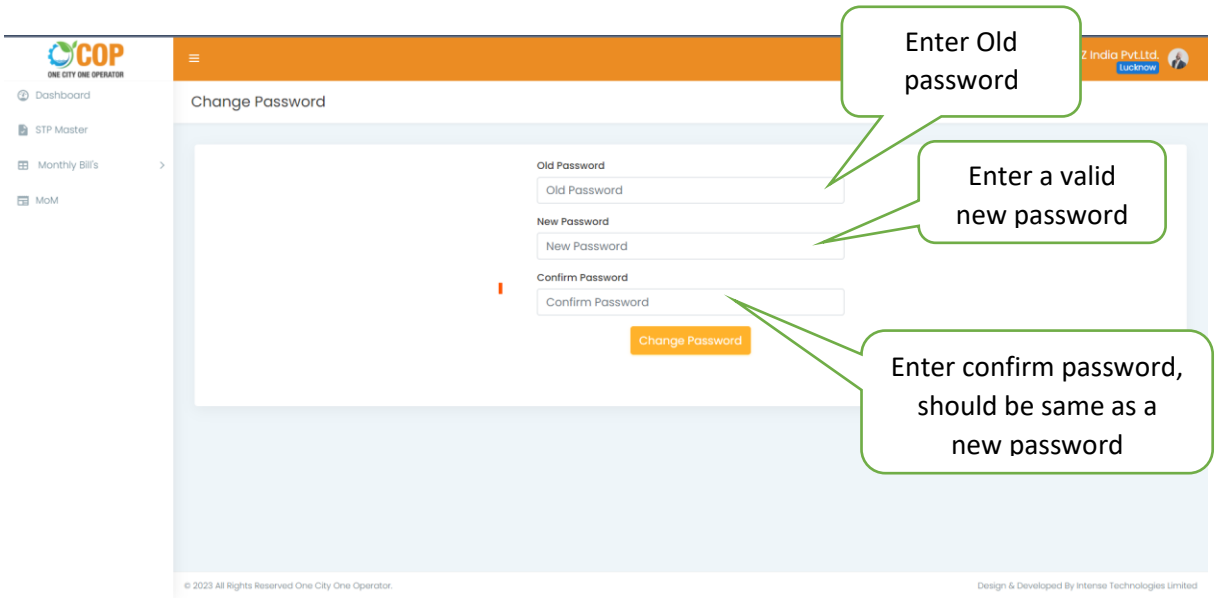
❖ Update Profile



- Fill the following details and update it.

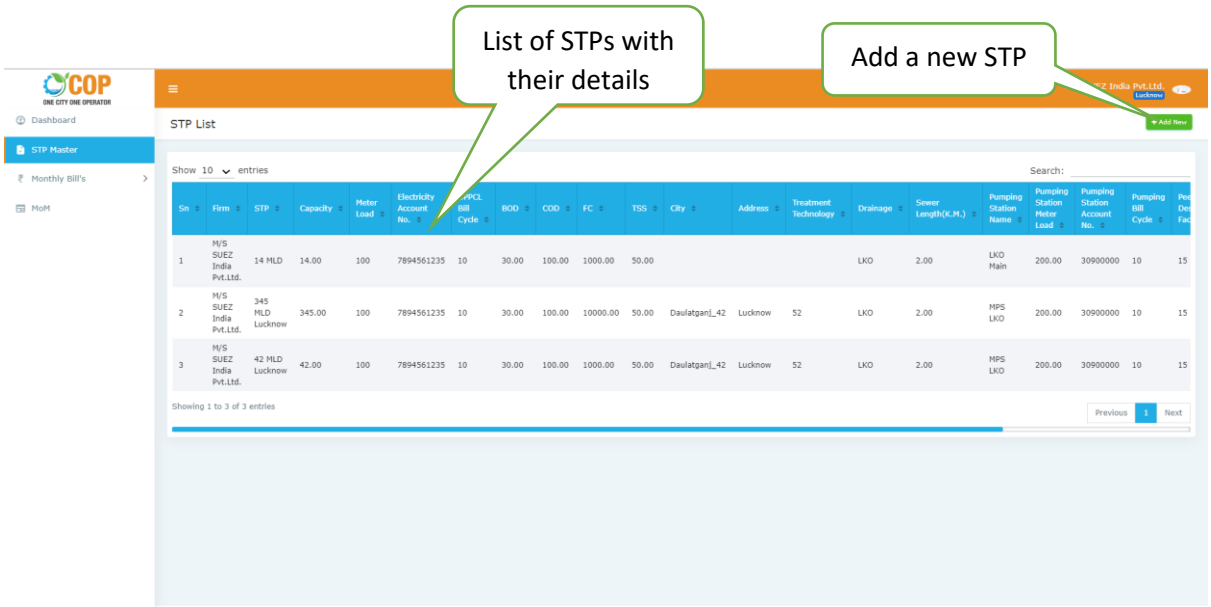
- Firm profile will be update.

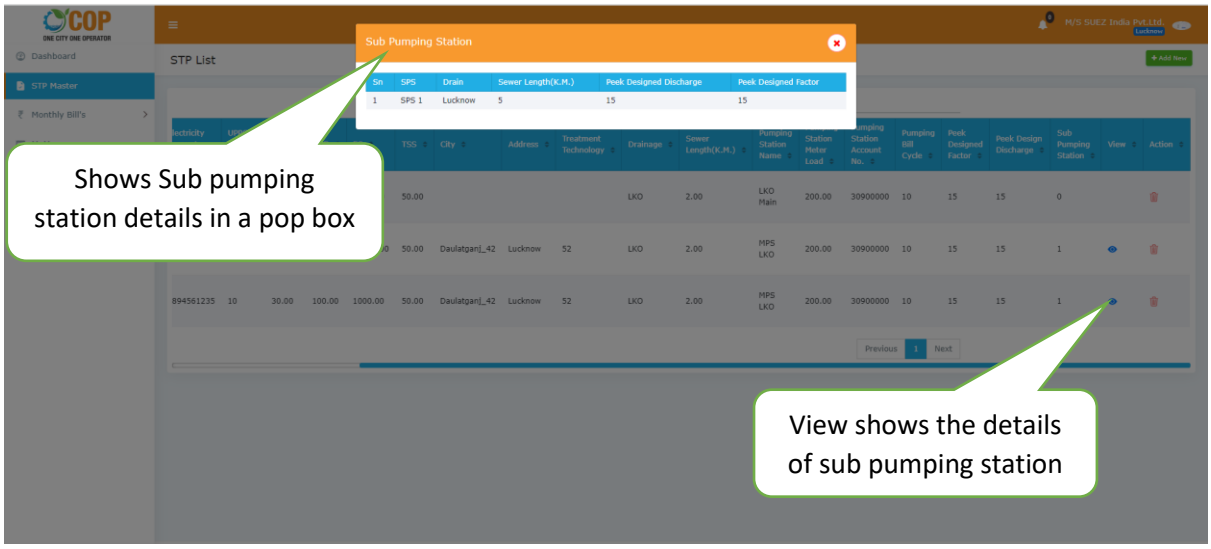
❖ Change Password

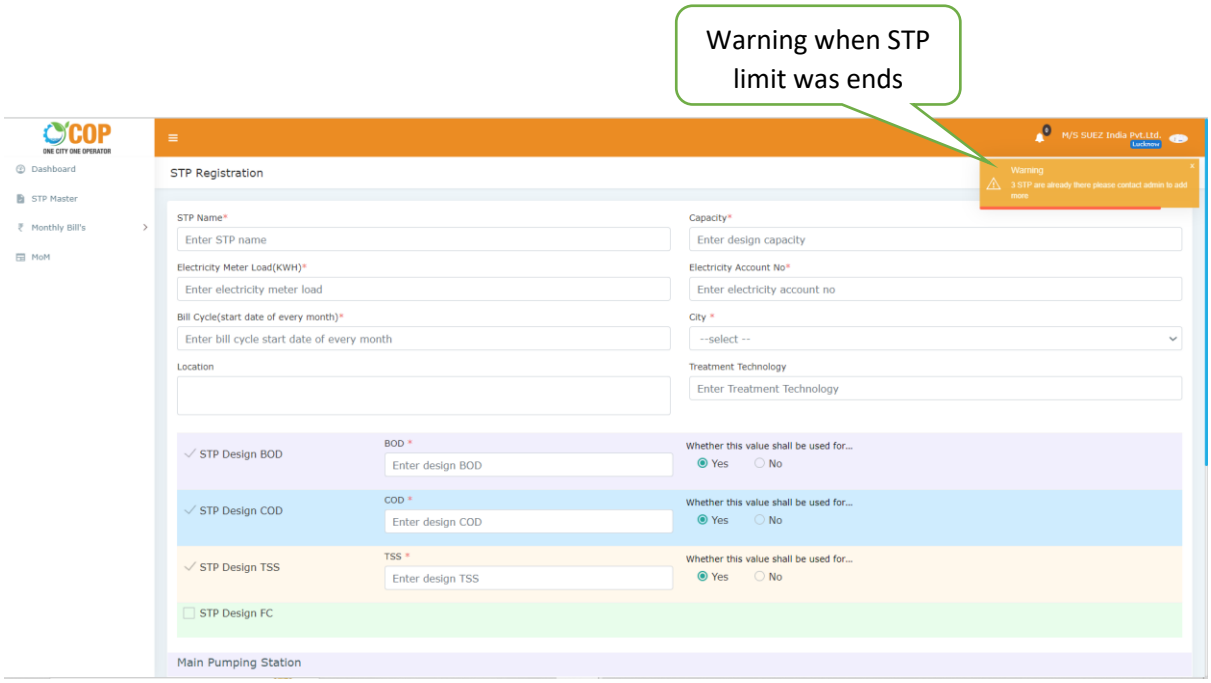


- Firm user must have to fill the new password and Confirm password.
- Both the password, should be same.

b. STP master:

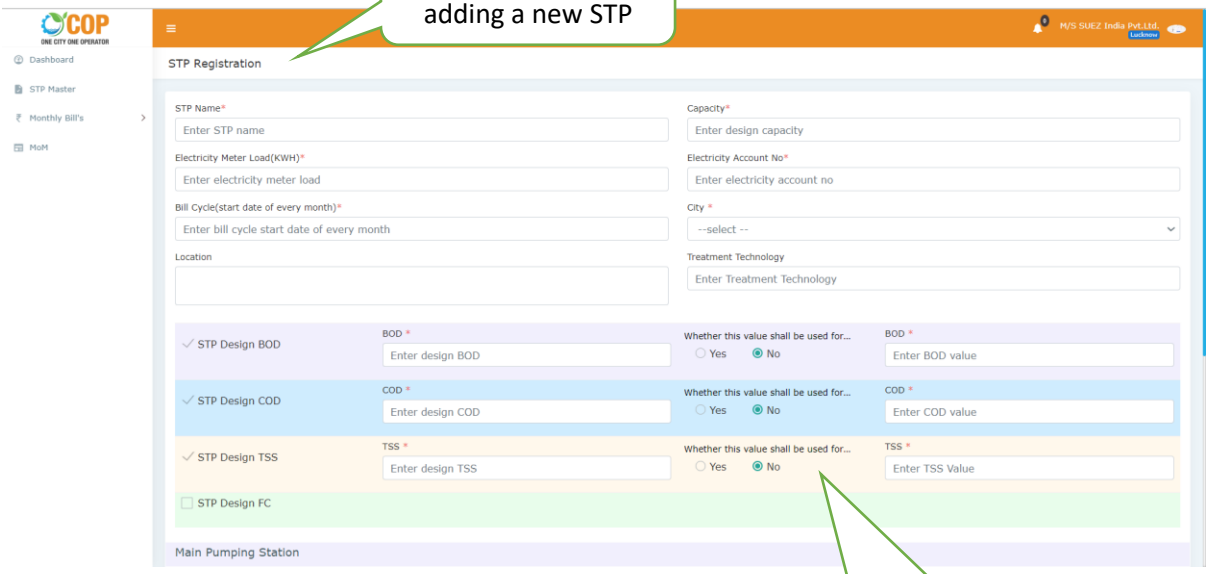






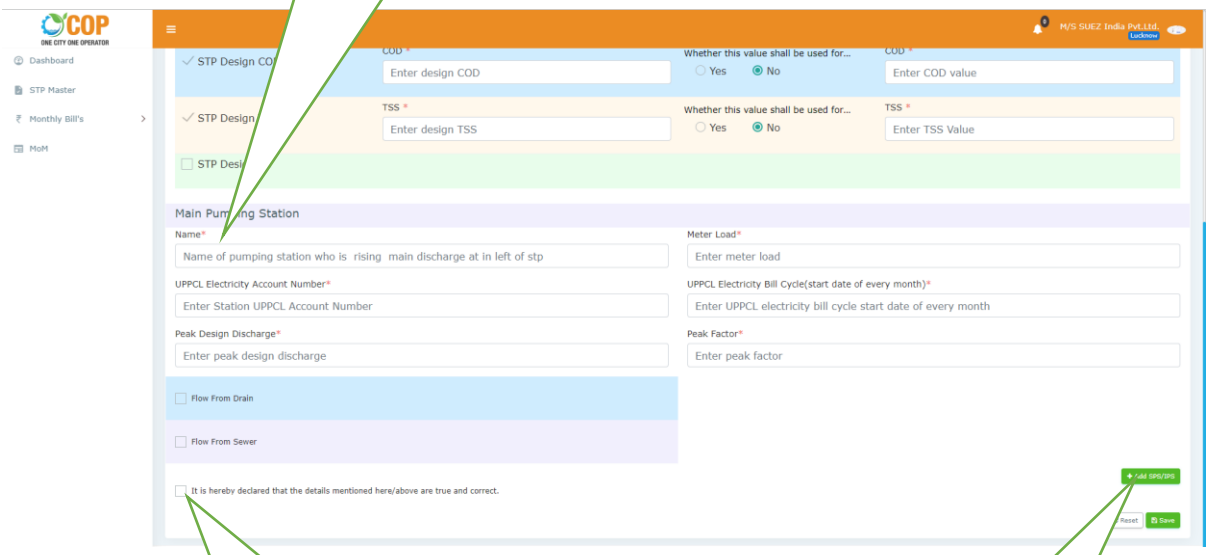
- Otherwise enter the details of STP for registration.
- Define the parameters of BOD, COD, TSS and FC.
- BOD - Biochemical Oxygen Demand
- COD: Chemical Oxygen Demand
- TSS: Total suspended solids
- FC: Fecal coliforms

STP registration for adding a new STP



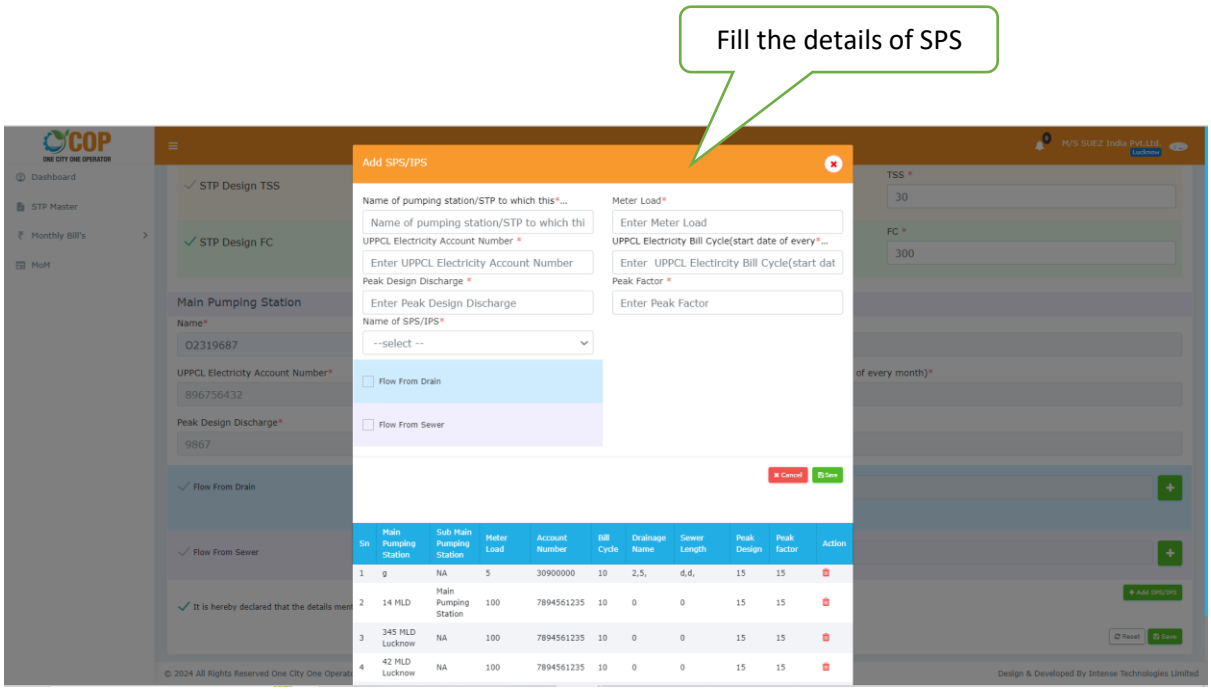
Add the parameters, in case of No

Fill the details of Main pumping station



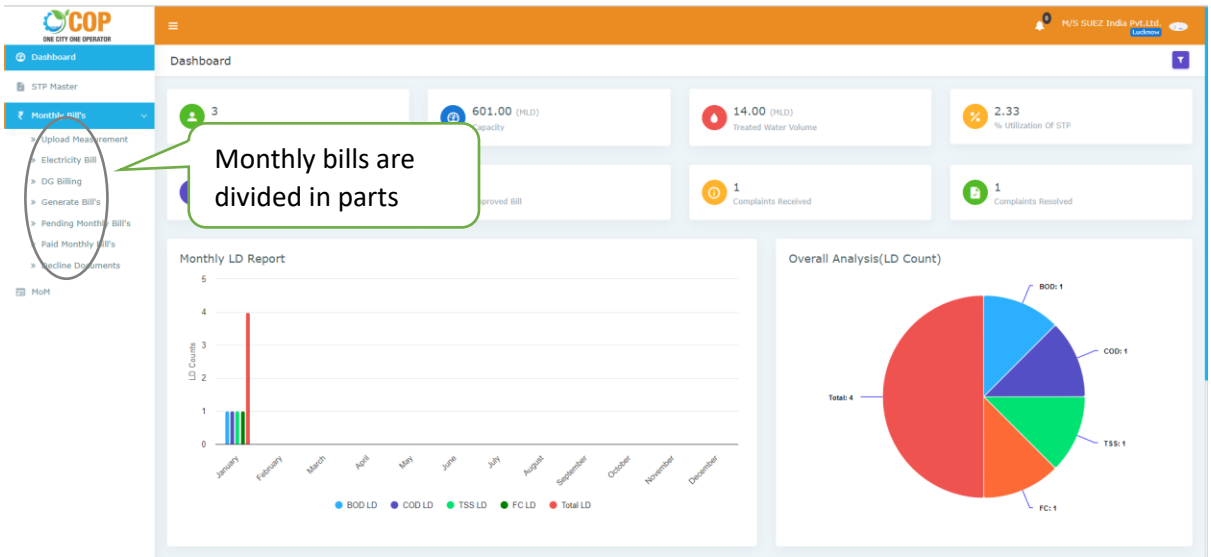
Declaration box that above details are true

From here, Add SPS (Sub Pumping station)

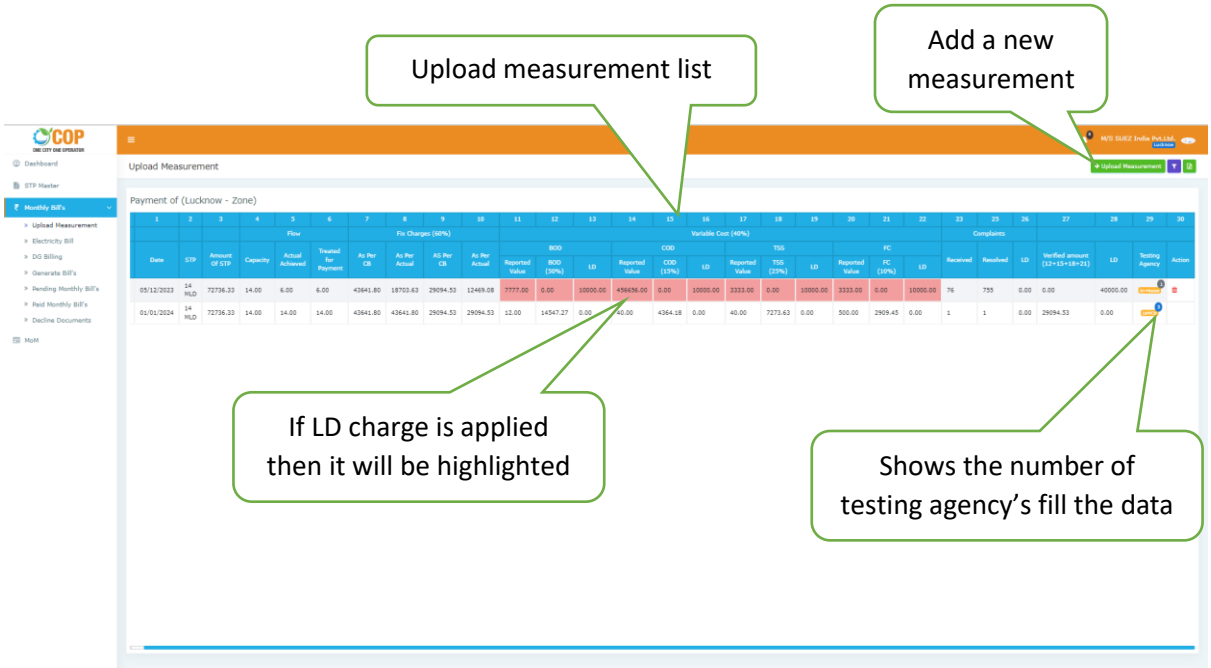


- Fill the following required fields.
- There is no update option in STP, so fill it carefully.
- Declaration is necessary, fields are true or not.

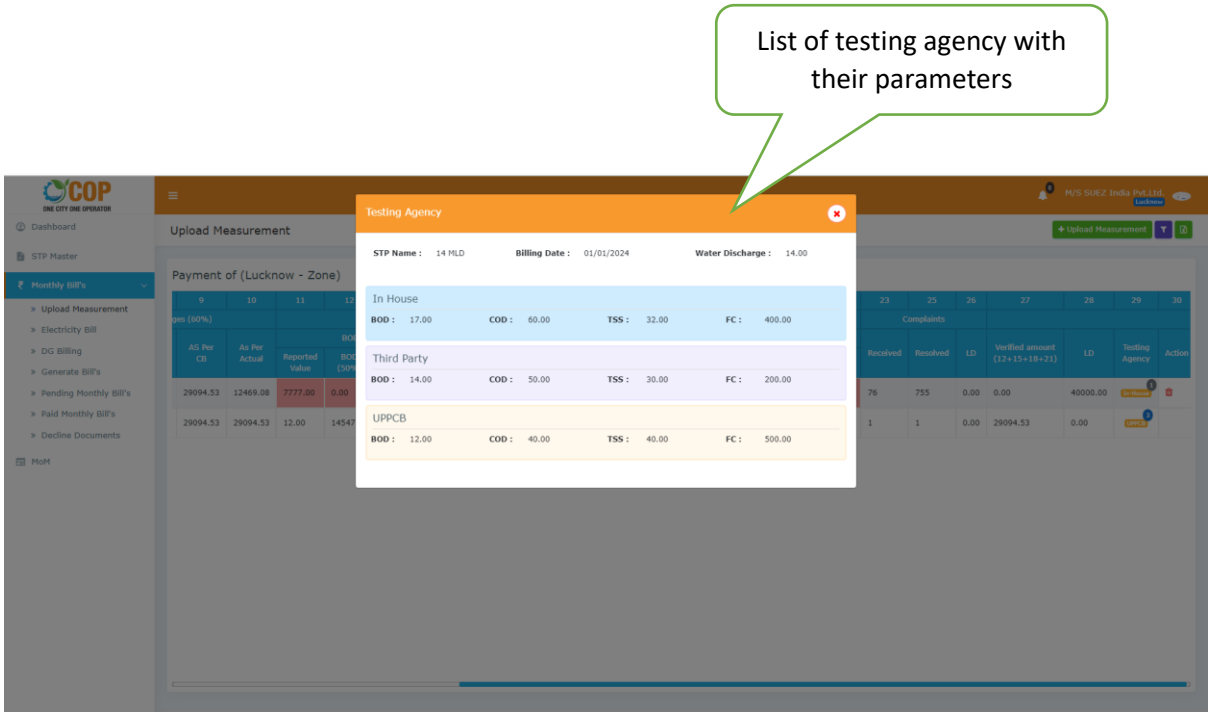
c. Monthly Bills:



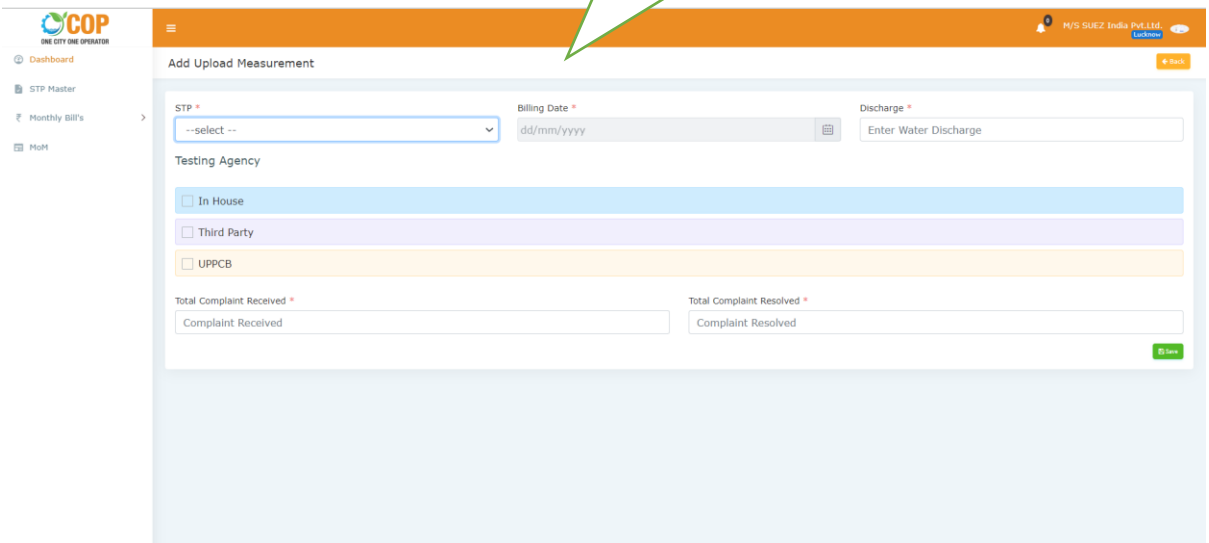
❖ Upload Measurement



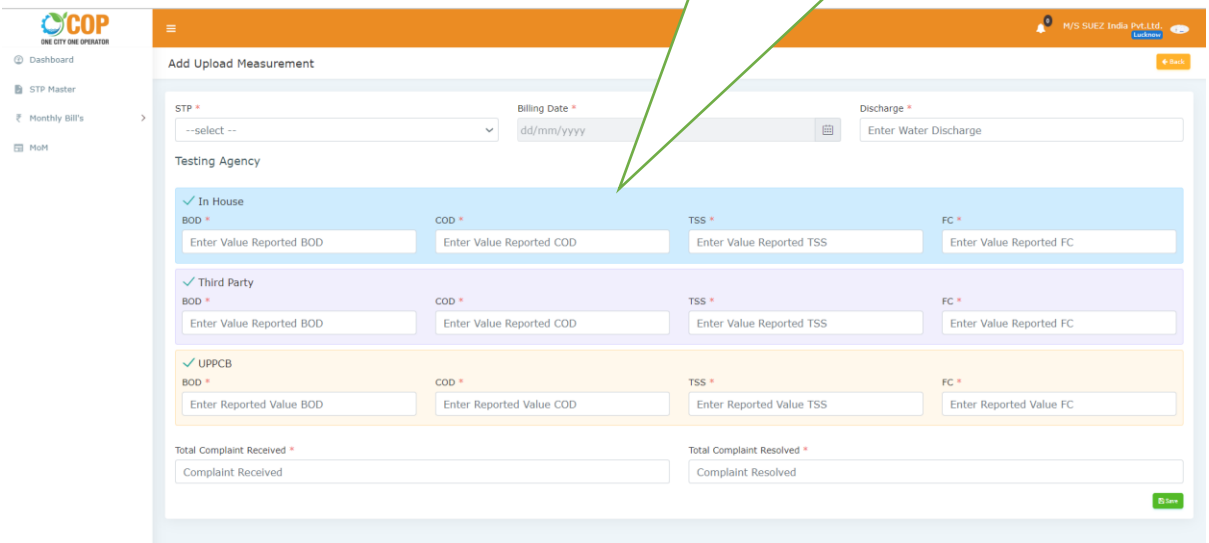
- Firm can delete the existed measurements record.



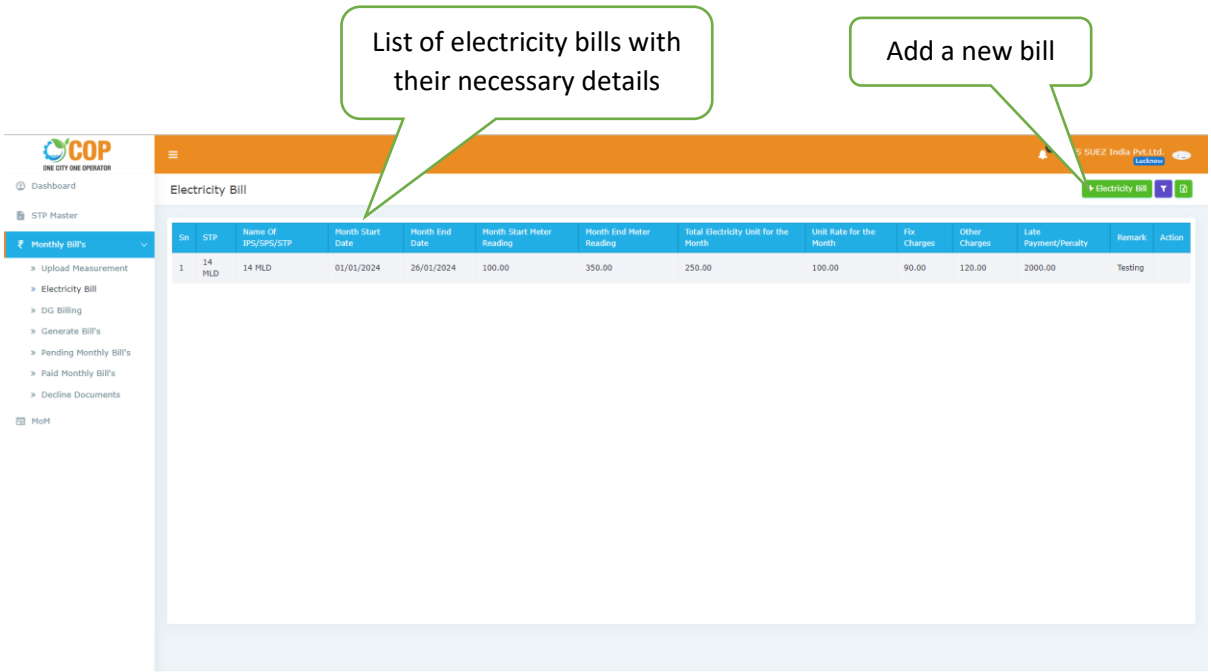
Add a new upload measurement detail

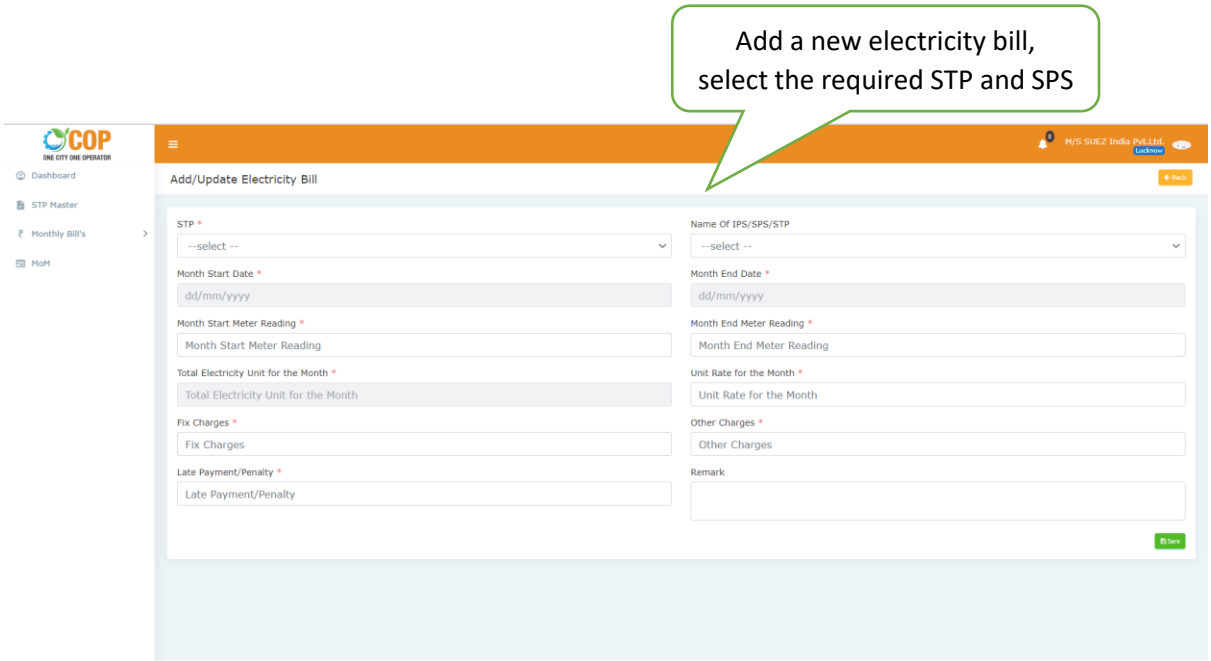


Fill the parameters (BOD, COD, TSS, FC) of Testing Agency (In house, TPI, UPPCB)



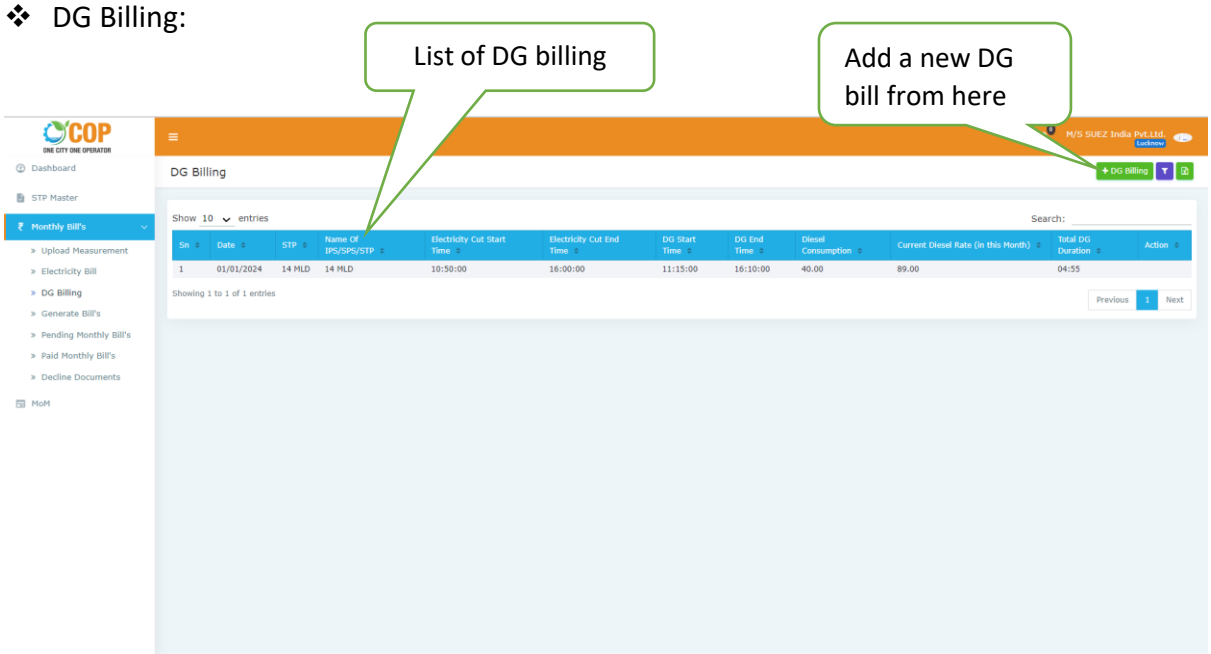
❖ Electricity Bill



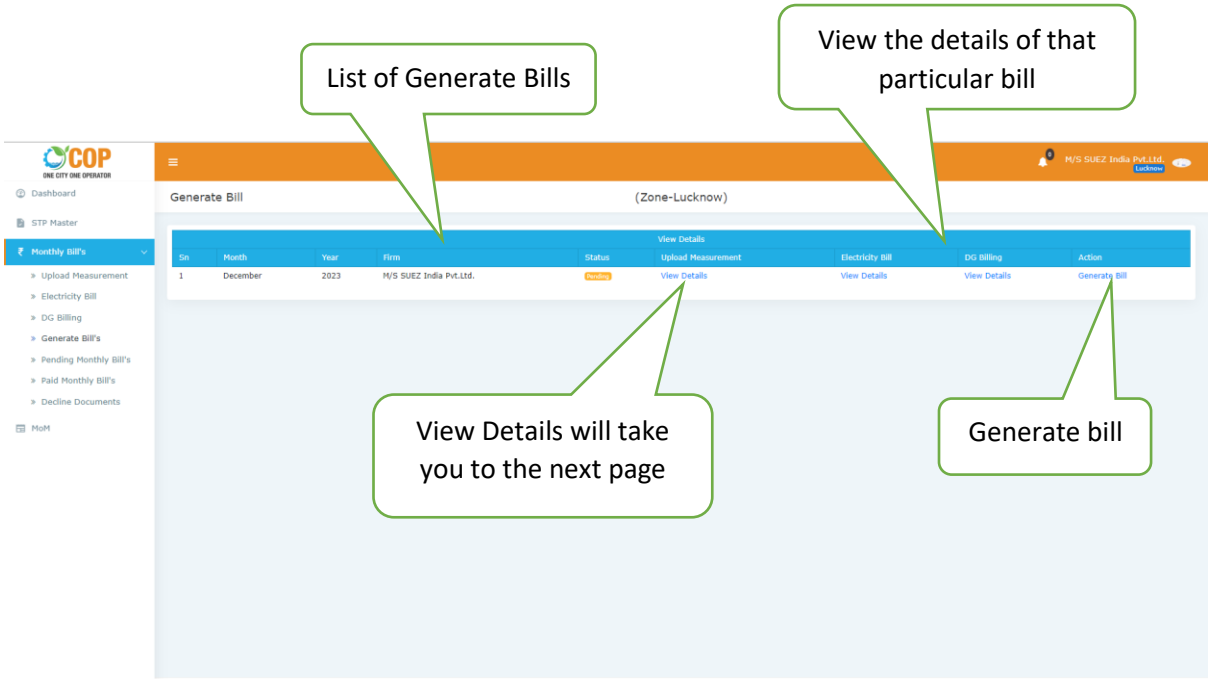


- Fill the mandatory fills and you get a record in a bill list.
- Whatever the date and reading you fill, at the time of registration by default it fills.

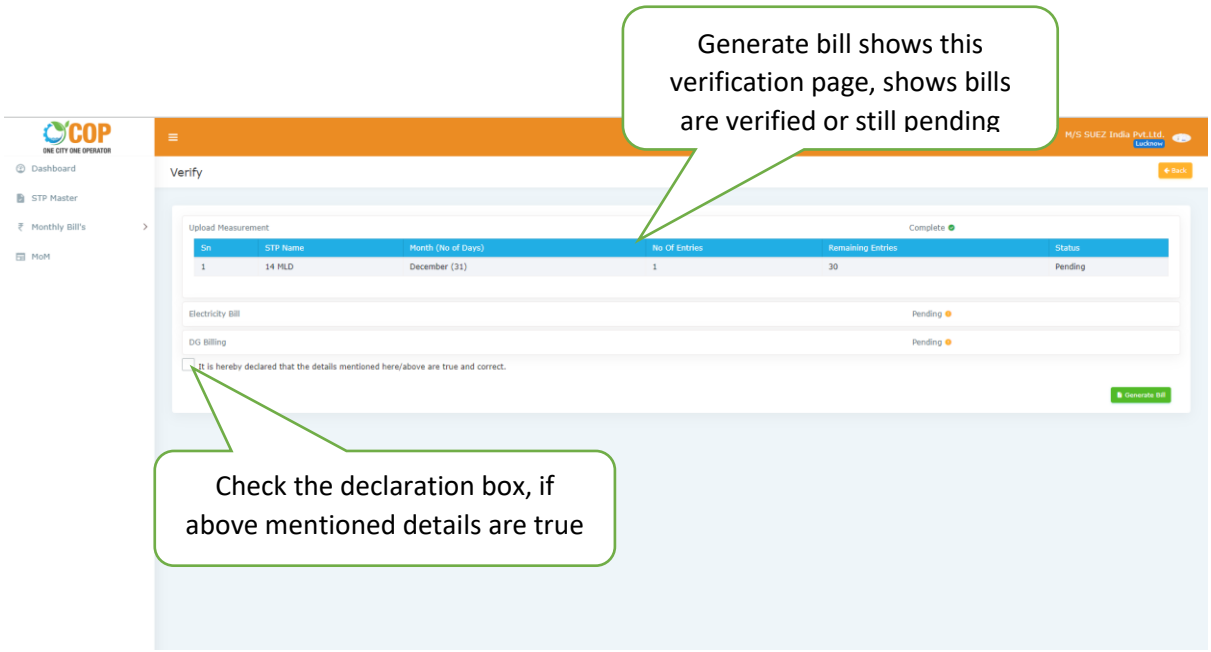
❖ DG Billing:



❖ Generate Bill

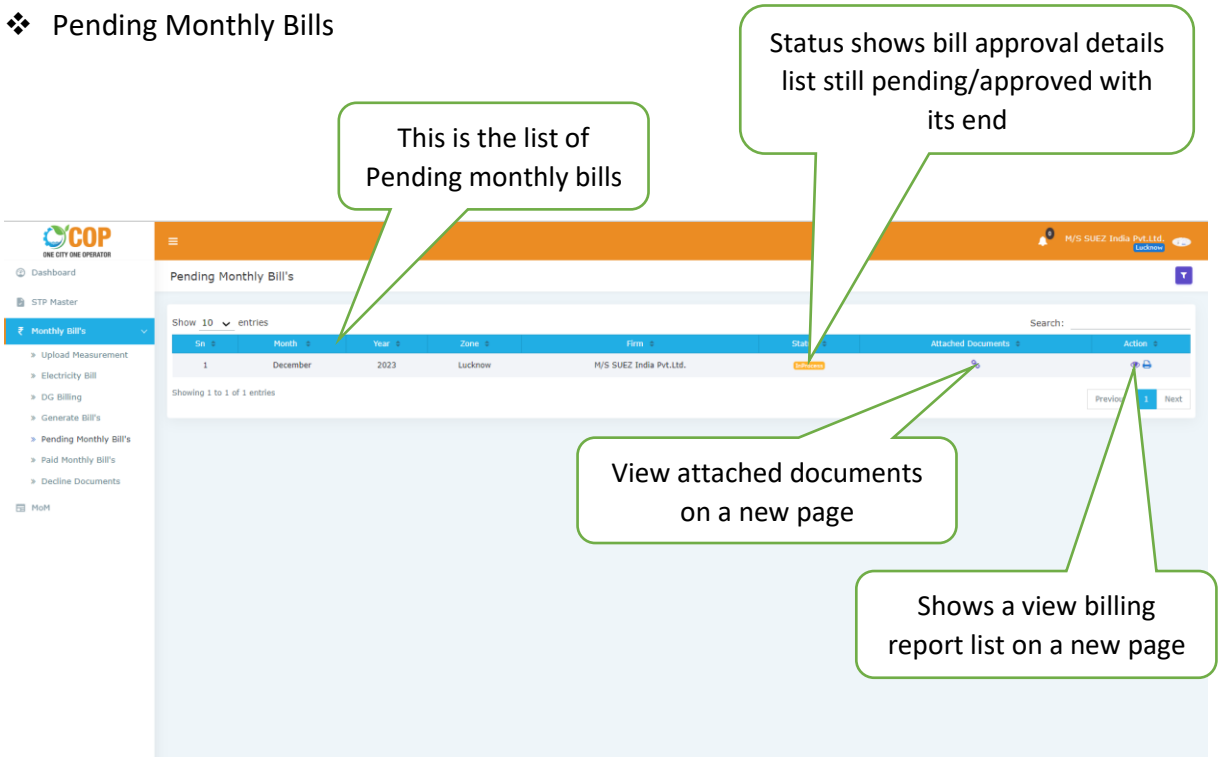


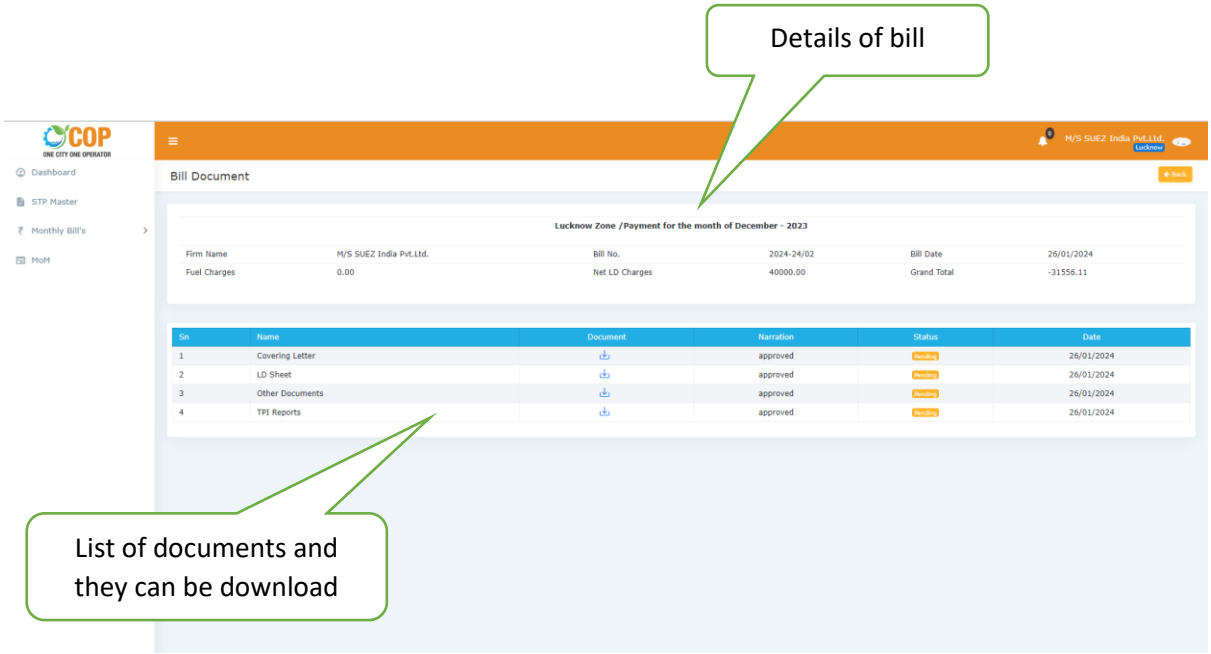
- On click of view details, it will take you to another tab.
- Shows the list of reports in a detail.



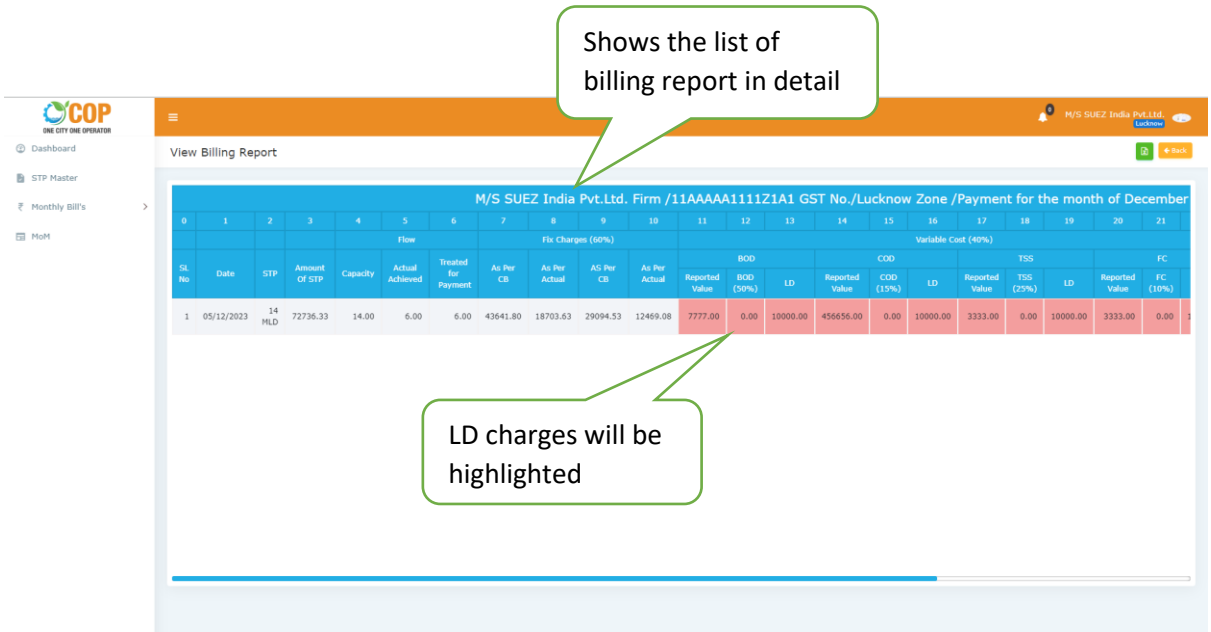
- Check the declaration message, then they will show you the bill.
- Firm user can save it as a draft, or generate bill.

❖ Pending Monthly Bills

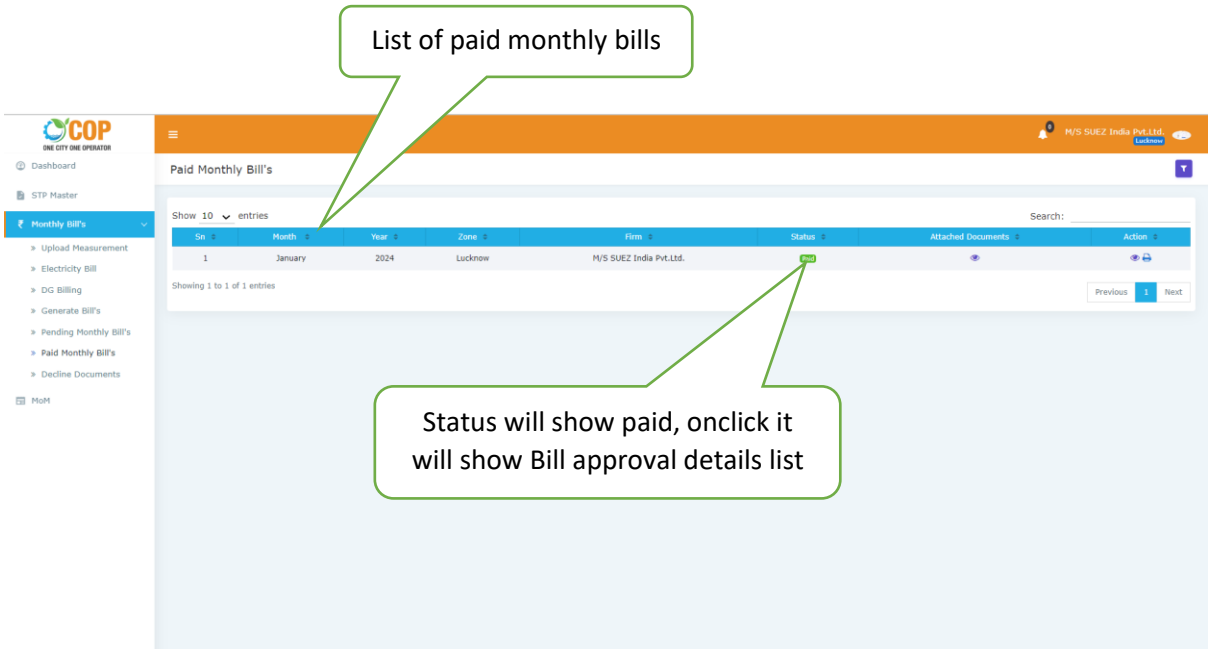


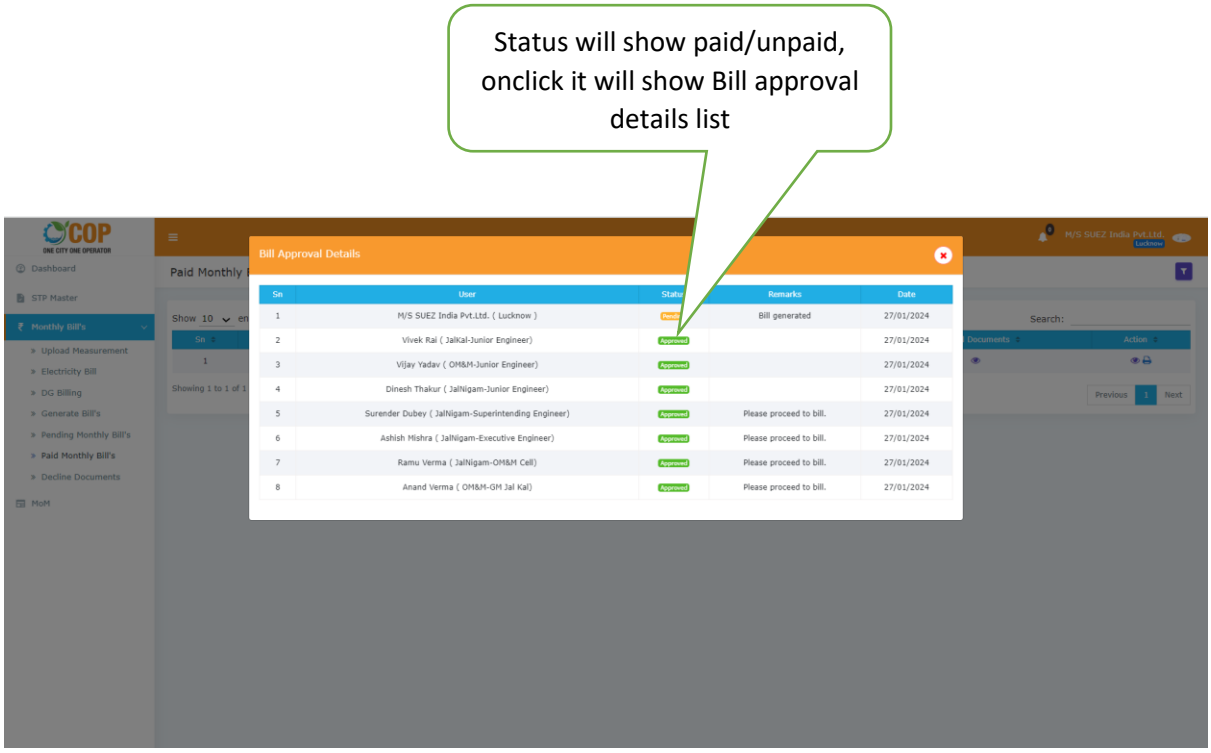


- Shows the list of documents with their status of pending/approval.

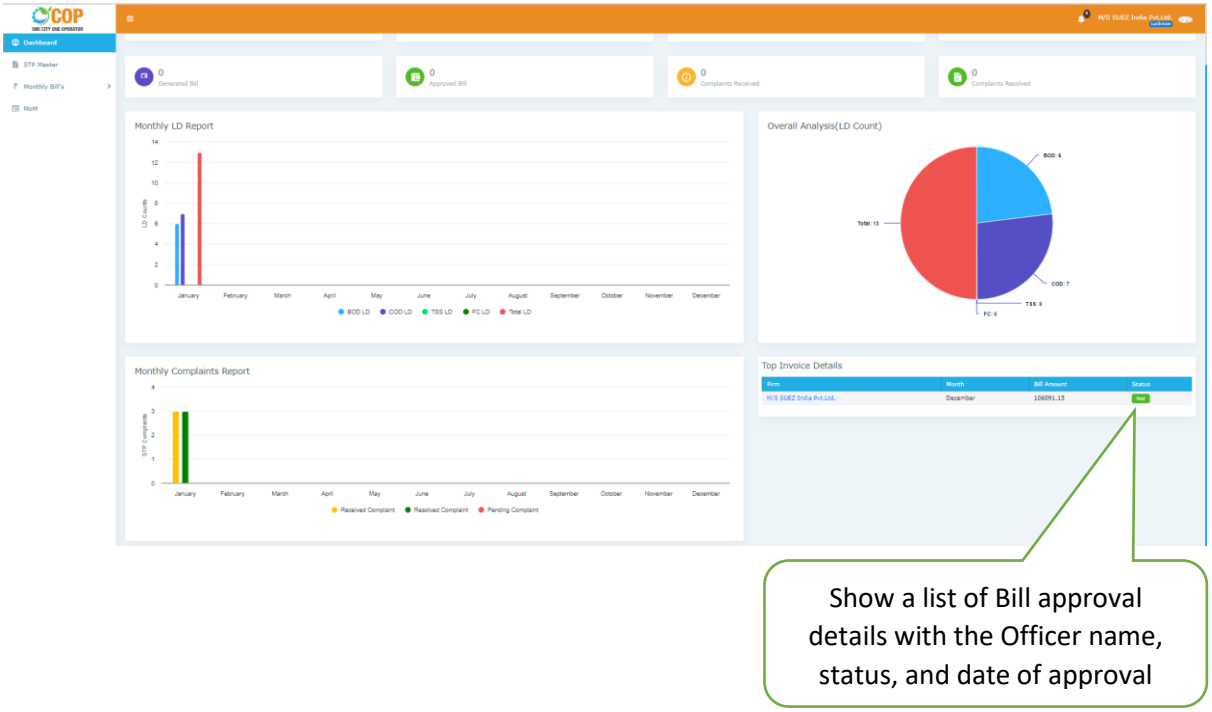


❖ Paid Monthly Bills

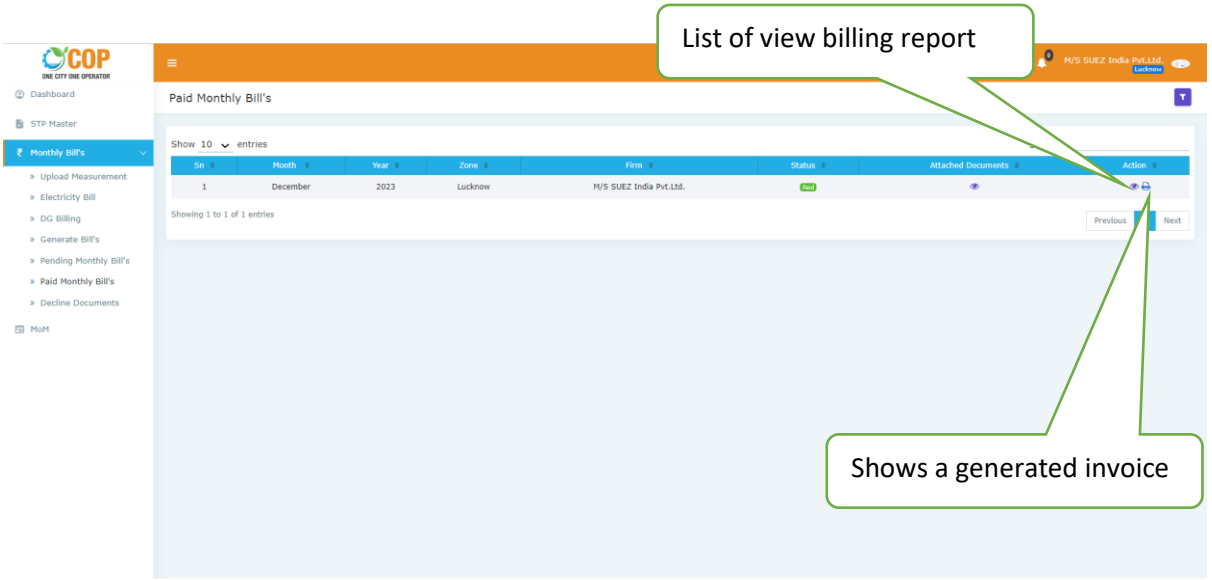




- Status will show at which Officer's end the bill is still pending or else approved.



Show a list of Bill approval details with the Officer name, status, and date of approval

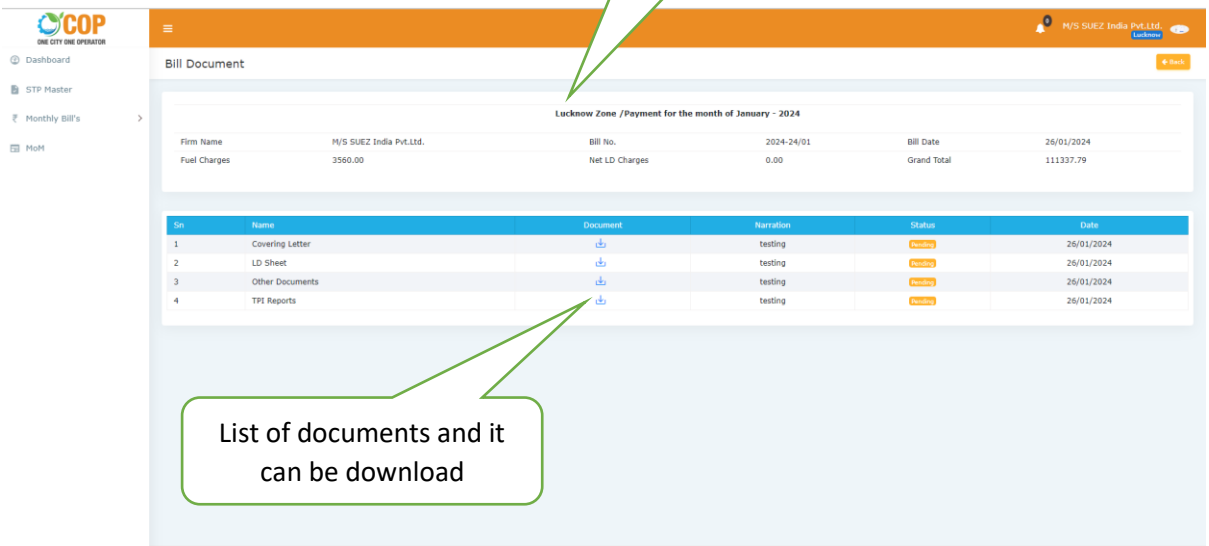


List of view billing report

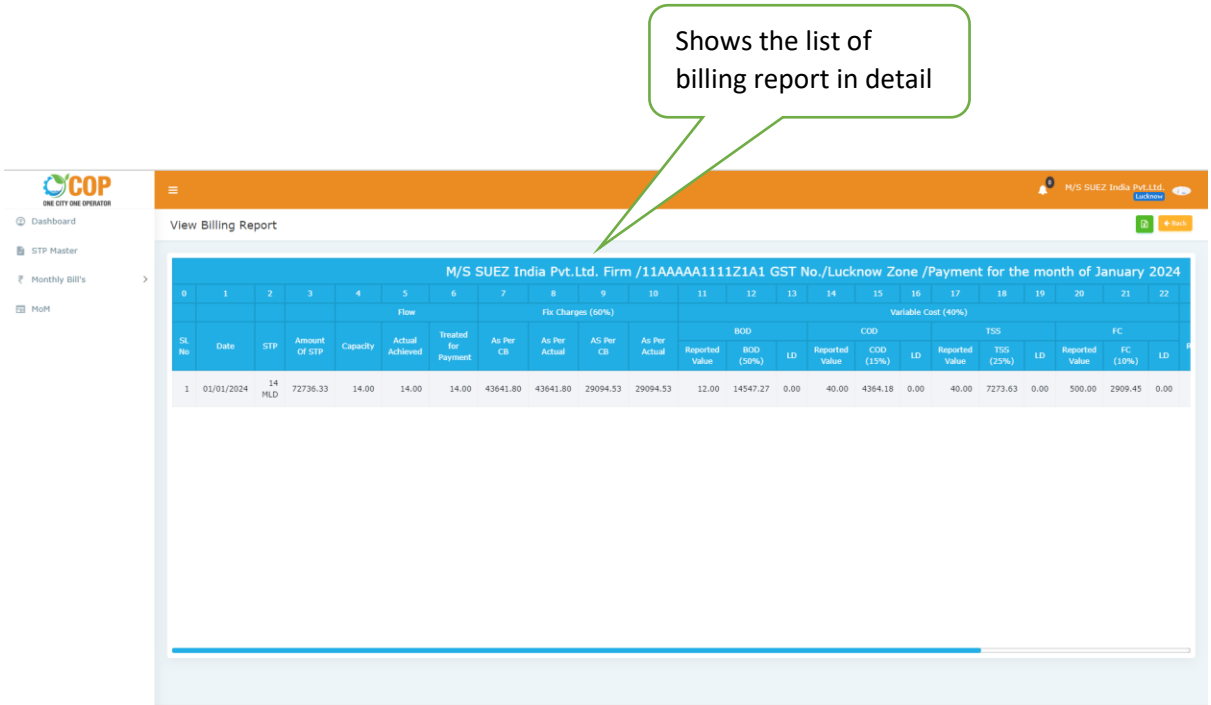
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
				Flow			Fix Charges (60%)				Variable Cost (40%)									
											BOD			COD			TSS			
SL No	Date	STP	Amount Of STP	Capacity	Actual Achieved	Treated for Payment	As Per CB	As Per Actual	AS Per CB	As Per Actual	Reported Value	BOD (50%)	LD	Reported Value	COD (15%)	LD	Reported Value	TSS (25%)	LD	Reported Value
1	04/12/2023	14 MLD	72736.33	14.00	12.00 27/01/2024 Vijay@gmail.com	12.00	43641.80	37407.26	29094.53	24938.17	30.00	12469.09	0.00	40.00	3740.73	0.00	50.00	6234.54	0.00	600.00
2	05/12/2023	14 MLD	72736.33	14.00	14.00	14.00	43641.80	43641.80	29094.53	29094.53	29.00	14547.27	0.00	40.00	4364.18	0.00	40.00	7273.63	0.00	100.00
3	06/12/2023	14 MLD	72736.33	14.00	14.00	14.00	43641.80	43641.80	29094.53	29094.53	20.00	14547.27	0.00	20.00	4364.18	0.00	49.00	7273.63	0.00	200.00
4	07/12/2023	14 MLD	72736.33	14.00	13.00	13.00	43641.80	40524.53	29094.53	27016.35	30.00 27/01/2024 dk@gmail.com	13508.18	0.00	110.00 27/01/2024 dk@gmail.com	0.00	10000.00	40.00 27/01/2024 dk@gmail.com	6754.09	0.00	300.00 27/01/2024 dk@gmail.com

- Red shows that last three actual achieved data are same.
- Purple defines that LD charges was removed.

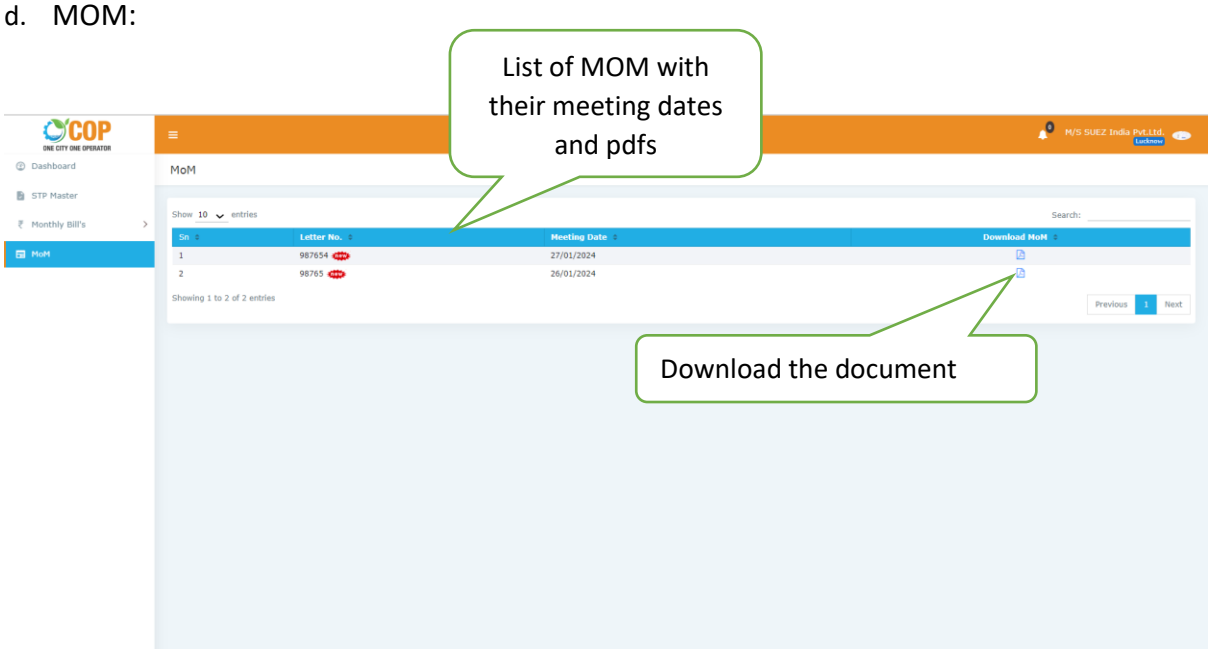
Details of bill



List of documents and it can be download

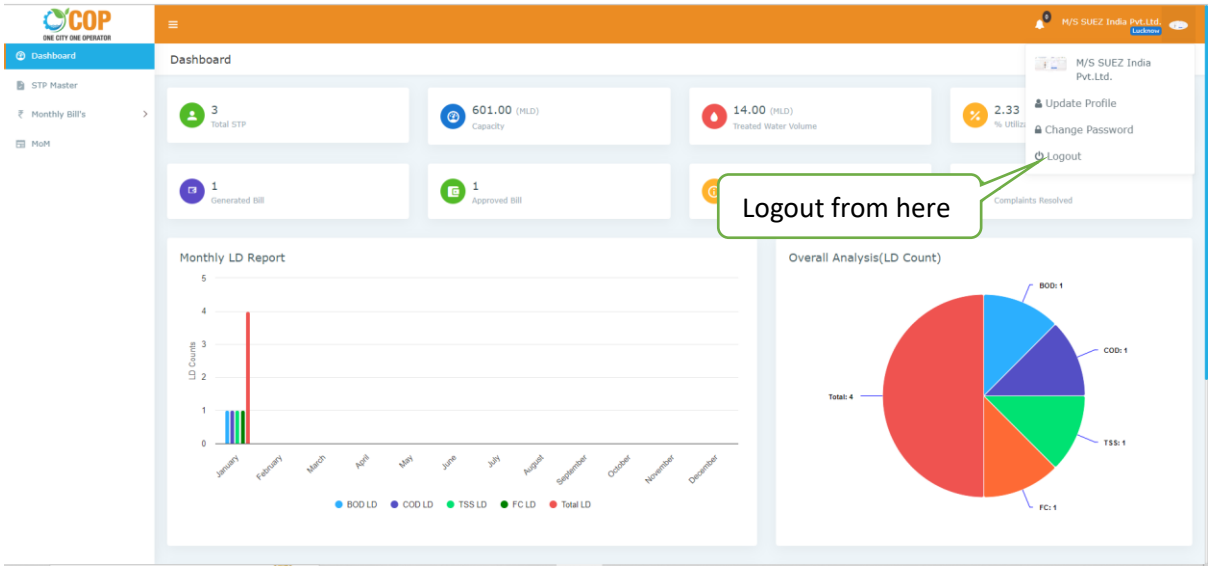


d. MOM:



- MOM stands for Minutes of Meeting

e. Logout:



5. CONCLUSION

In conclusion, the One City One Operator (OCOP) project represents a transformative approach to sewage infrastructure management, addressing critical challenges faced by growing cities. By integrating network and sewage treatment plant management under long-term contracts, OCOP establishes a new benchmark for efficiency and accountability.

The anticipated benefits, including prompt equipment replacement through the Major Replacement Fund, a 24/7 customer care center for enhanced service, and the incorporation of innovative technologies, position OCOP as a model for sustainable and reliable sewage infrastructure.

As we move forward, embracing the OCOP model not only ensures better coordination and improved water quality, particularly along rivers like the Ganga, but also underscores our commitment to innovation, environmental stewardship, and the overall well-being of our communities.

The success of OCOP hinges on the collaboration of all users, and we encourage everyone to actively participate in its implementation. Together, we can revolutionize sewage infrastructure management, setting a standard for efficiency, reliability, and environmental sustainability.