USER MANUAL DOCUMENT

One City One Operator

v2.0 Firm panel

27th January, 2024

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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

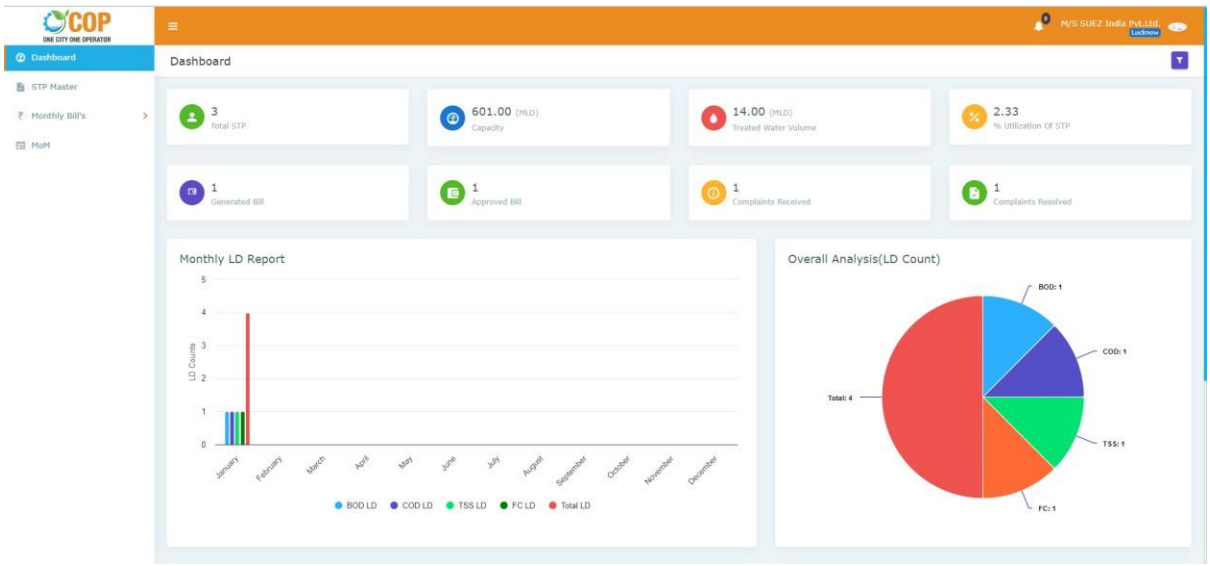
- Operating system: Windows, macOS, Linux.
- Web browsers: A modern web browsers Google chrome, Mozilla Firefox, Microsoft Edge.
- Internet connection should be there.

3. GETTING STARTED

3.1 STP Account

❖ Go to http://occo.intense.in

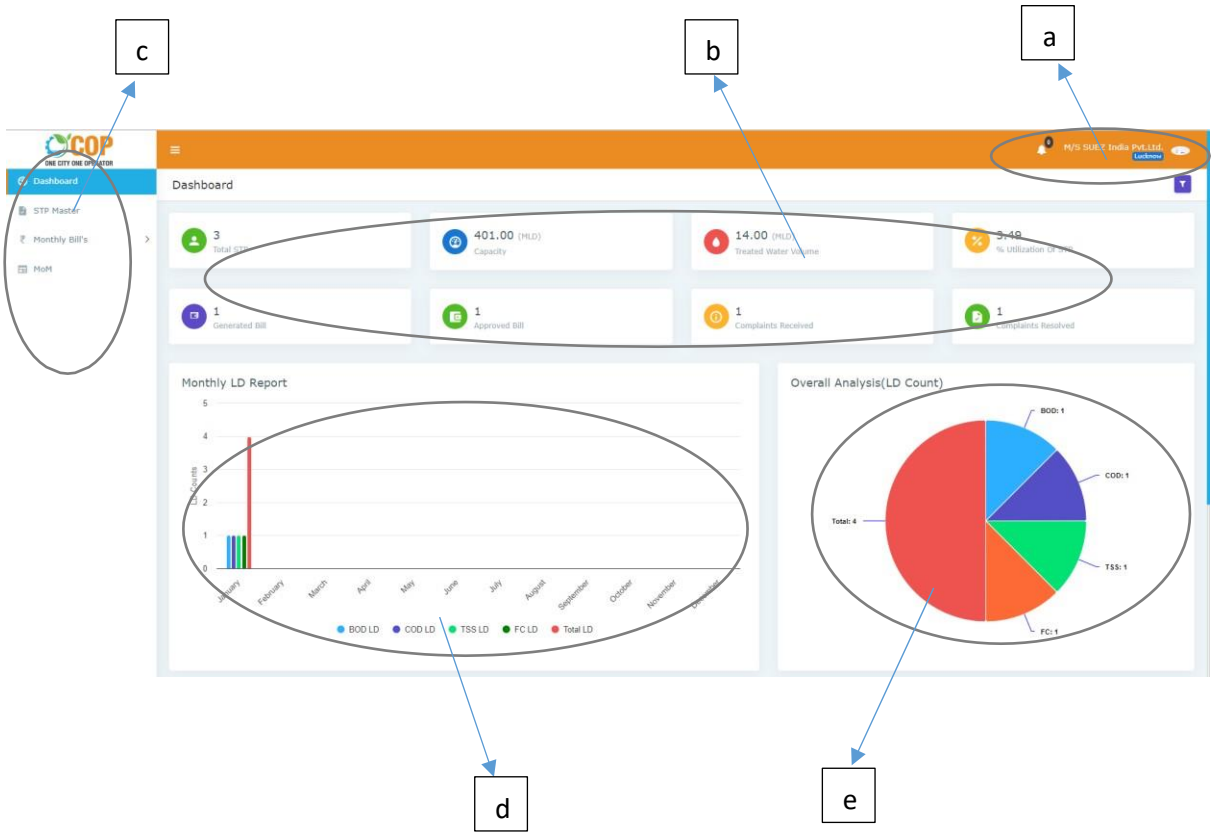
❖ Enter Firm Id and Password for entering into that account then click on Login button.

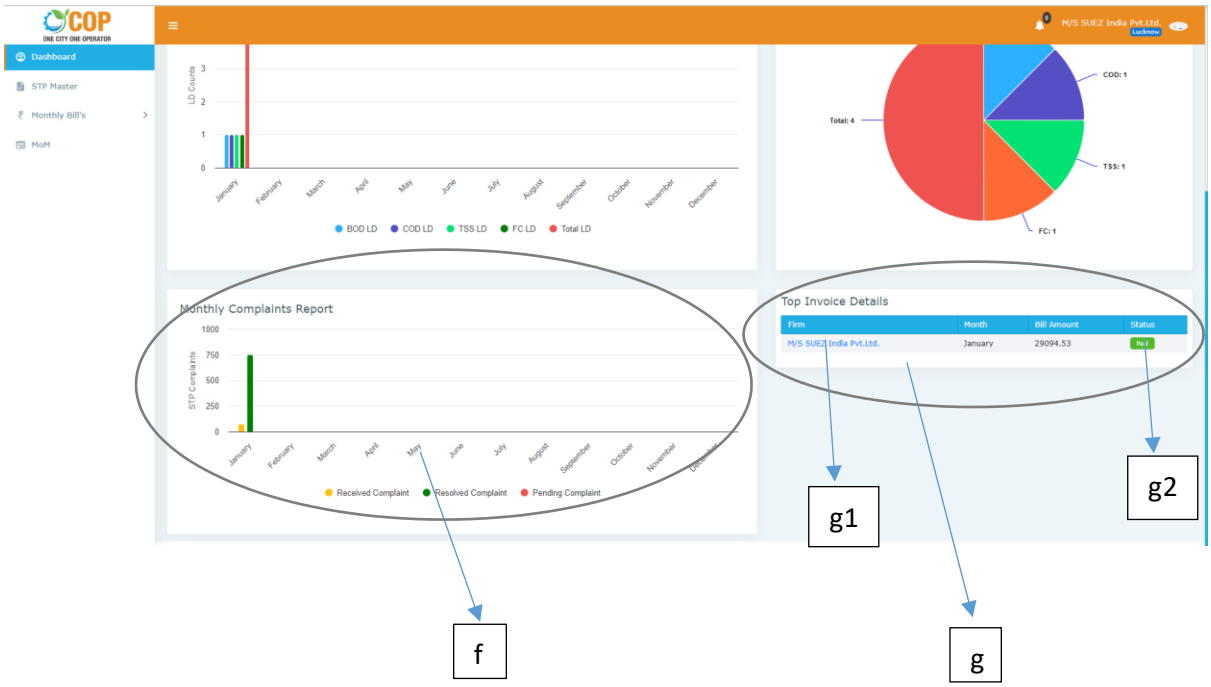


- Firm user entered into their authorized account.

3.2 Firm's Dashboard Overview

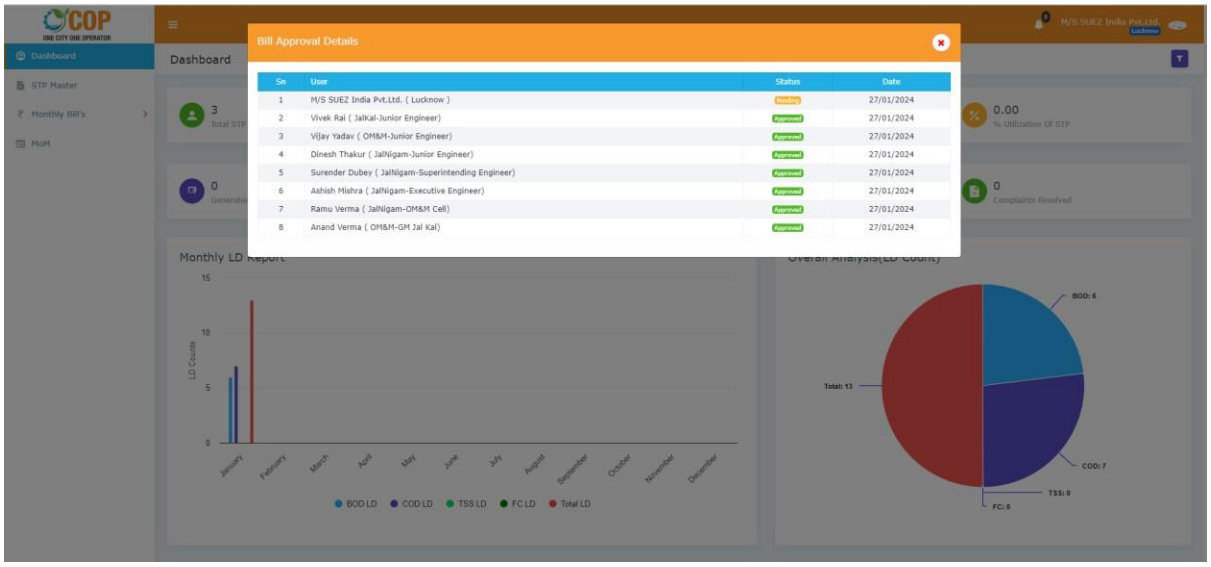
- After logging in, you will be land into a Firm dashboard. The dashboard provides a various feature to Firm user.





❖ g1 shows Firm view billing report

❖ g2 shows Paid bills approval details



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.

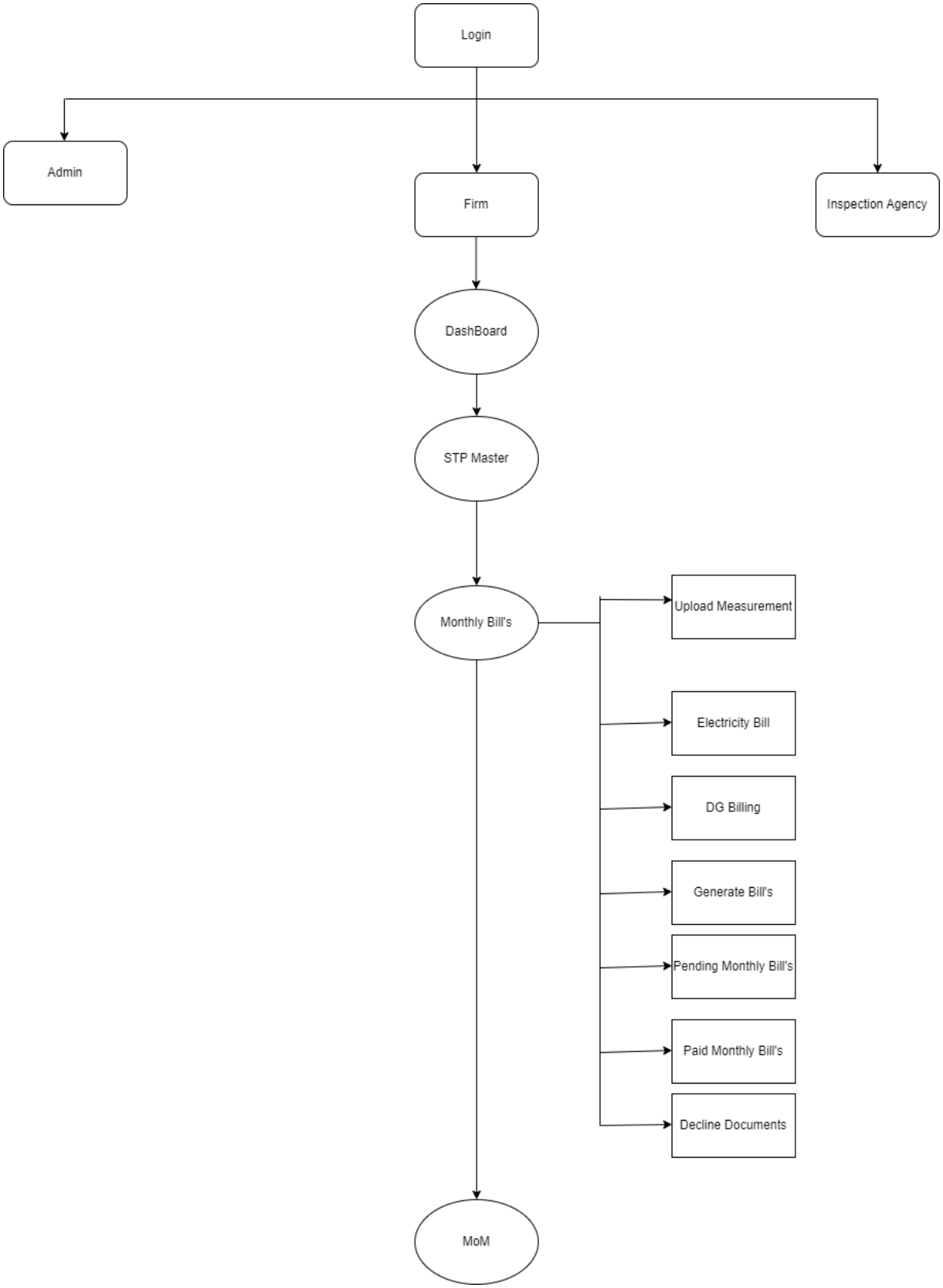
e. Overall Analysis in a Pie chart format.

f. Monthly complaints report in a bar graph.

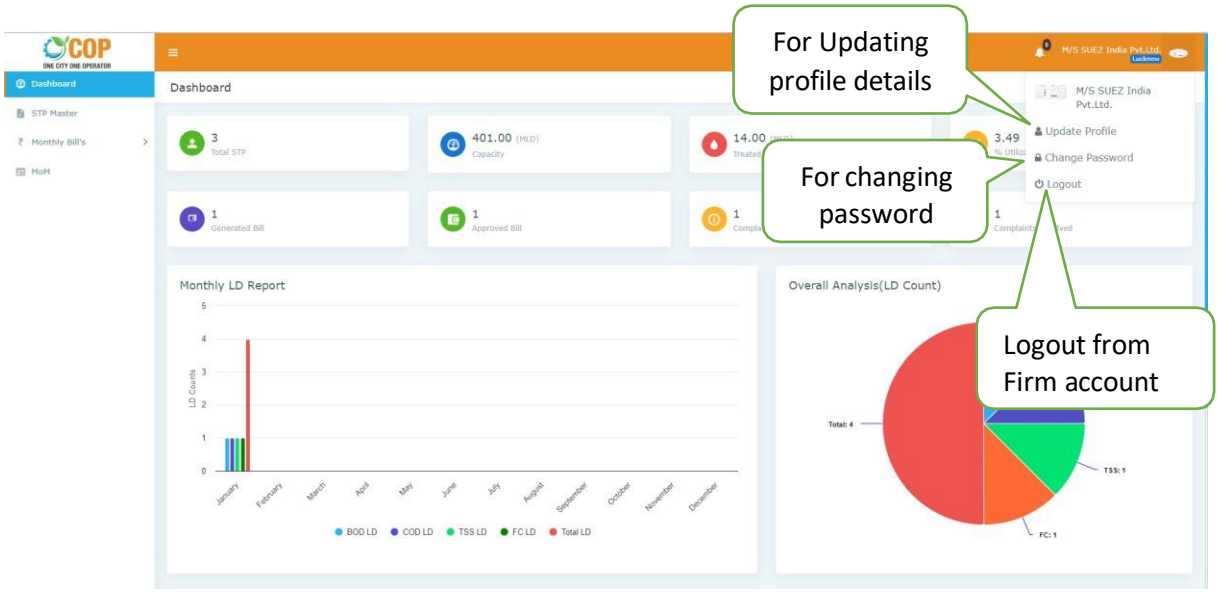
g. Top Invoices details list is showing here, with their Firm name, month, bill amount, status(paid/pending/In-process).

- Here (g), is divided into two parts - (g1) Billing report list
  (g2) List of Bill approval details

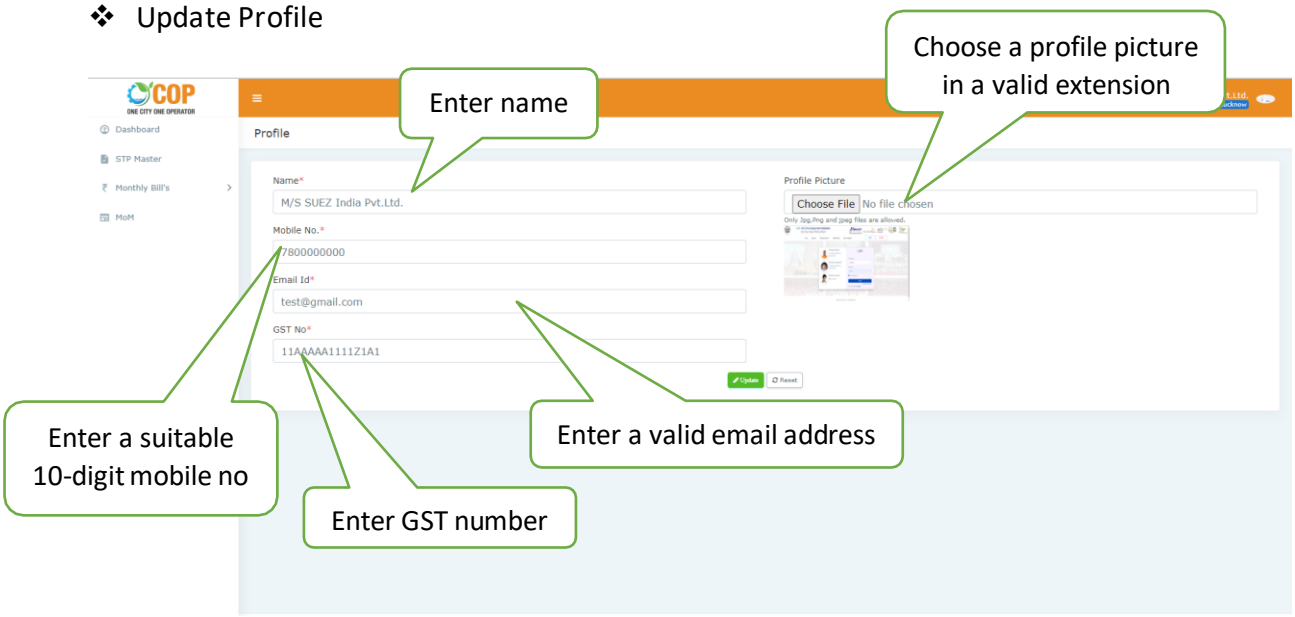
4. OVERVIEW


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:



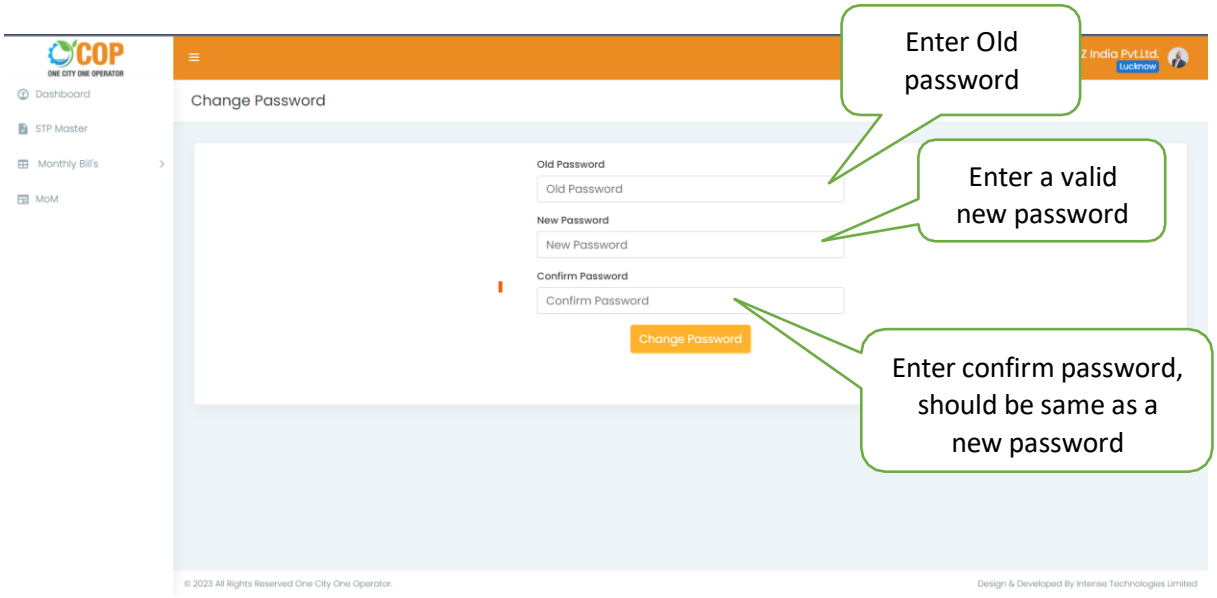
❖ Update Profile



- Fill the following details and update it.

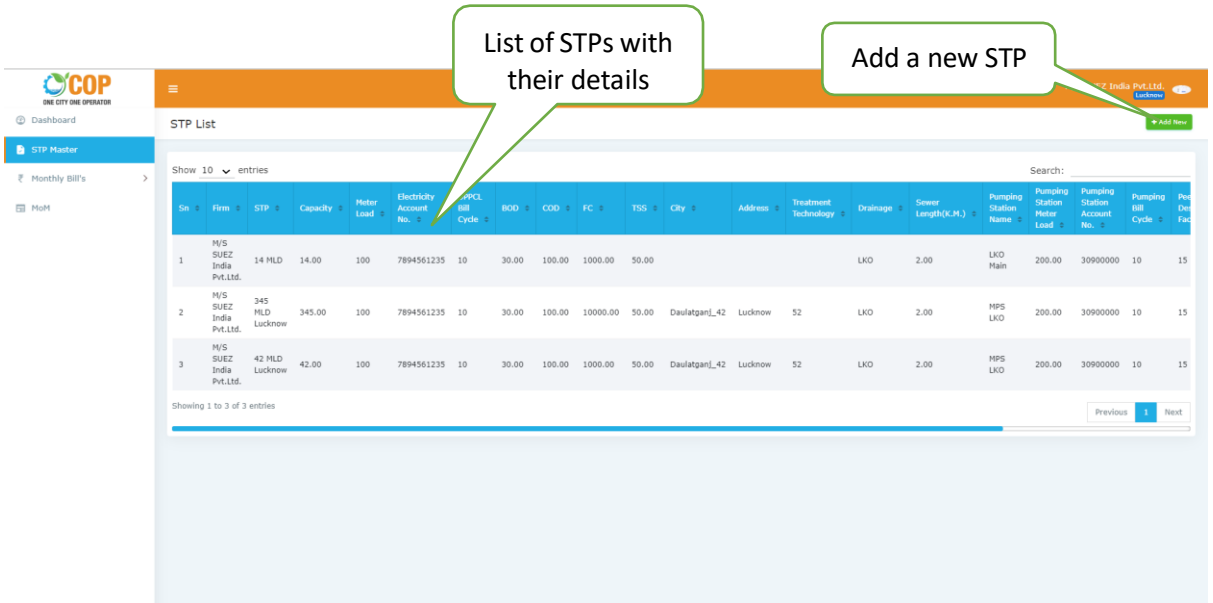
- Firm profile will be update.

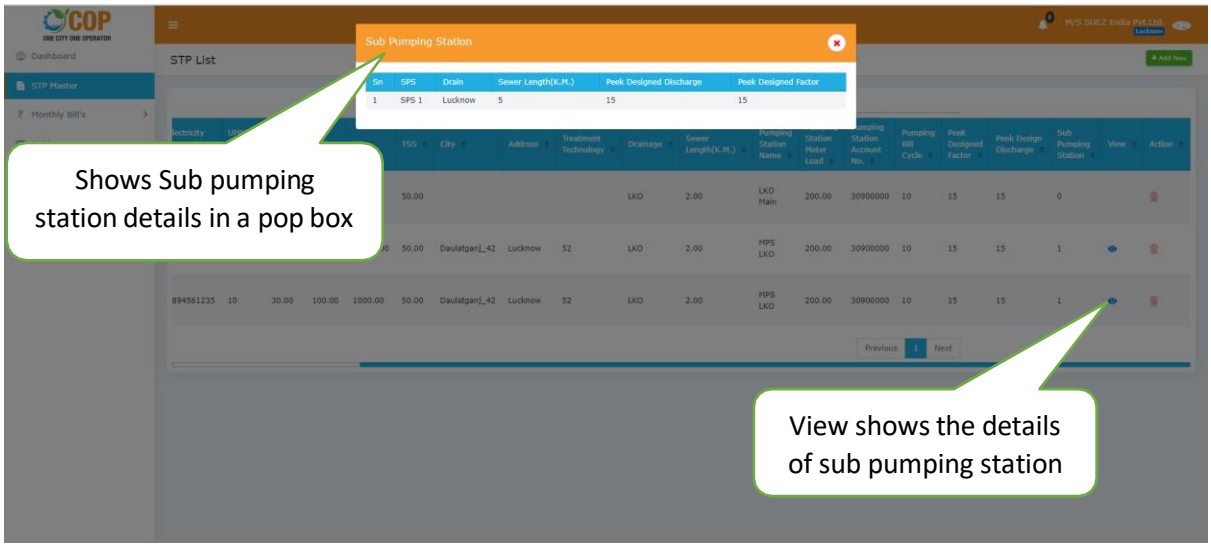
❖ Change Password

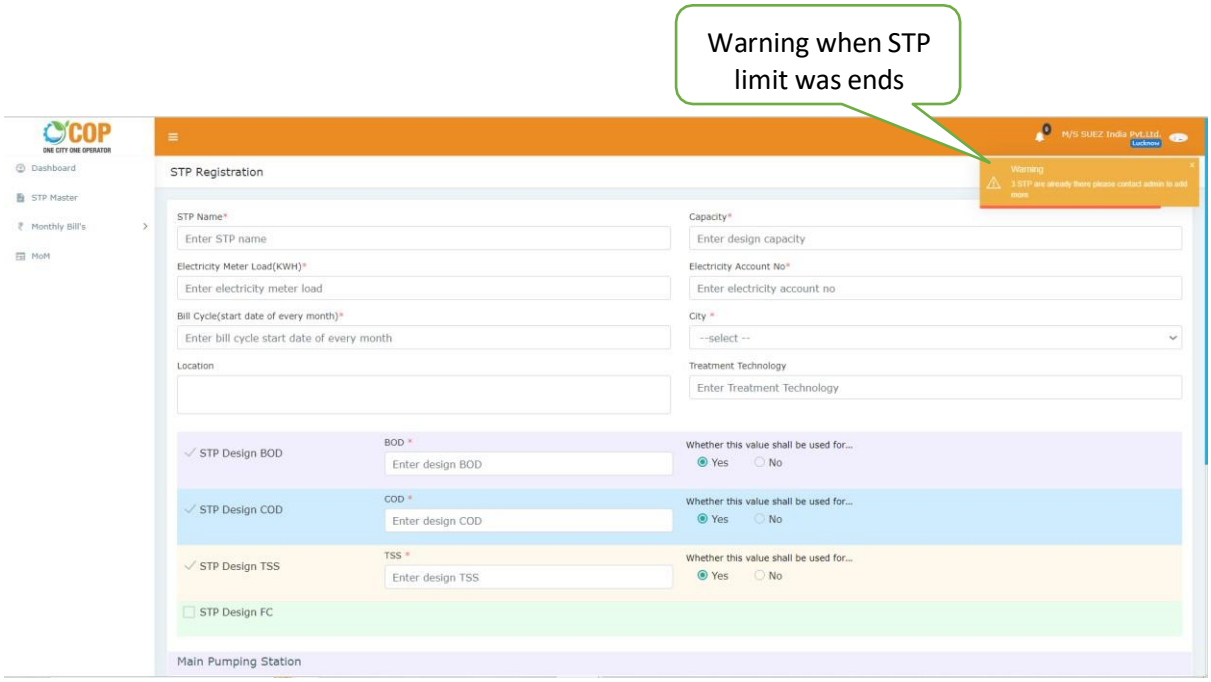


- Firm user must have to fill the new password and Confirm password.
- Both the password, should be same.

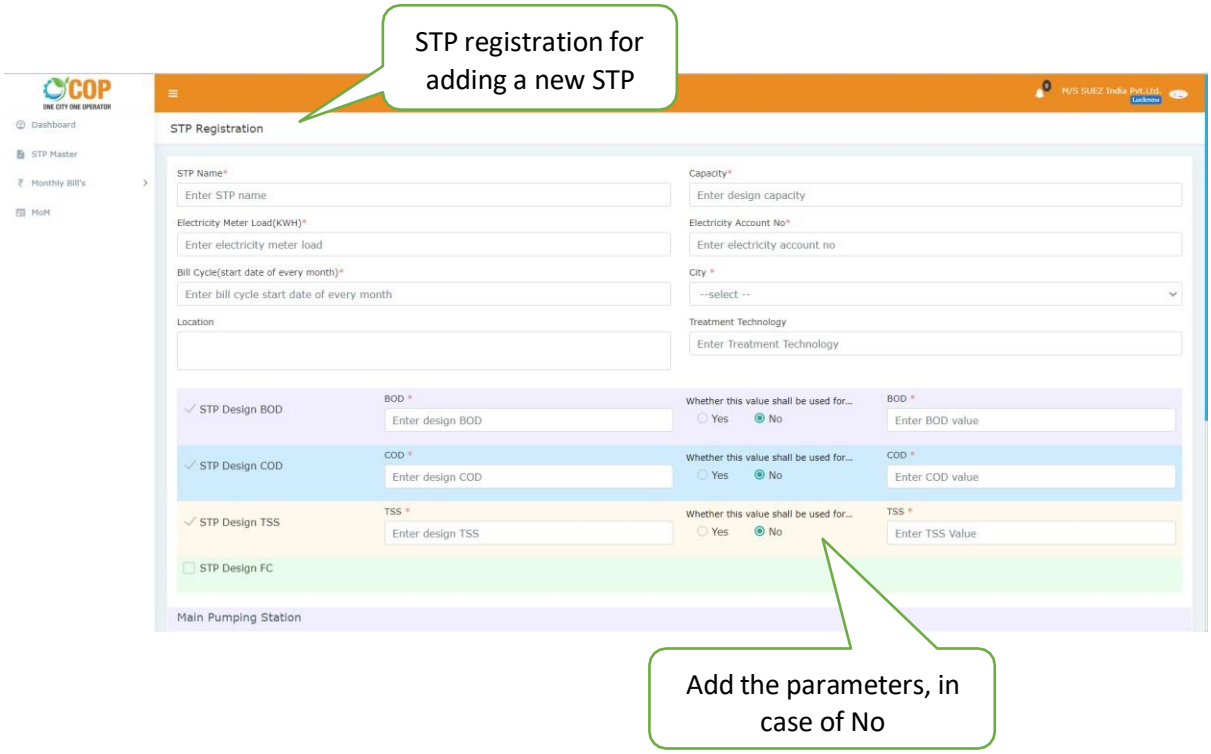
b. STP master:

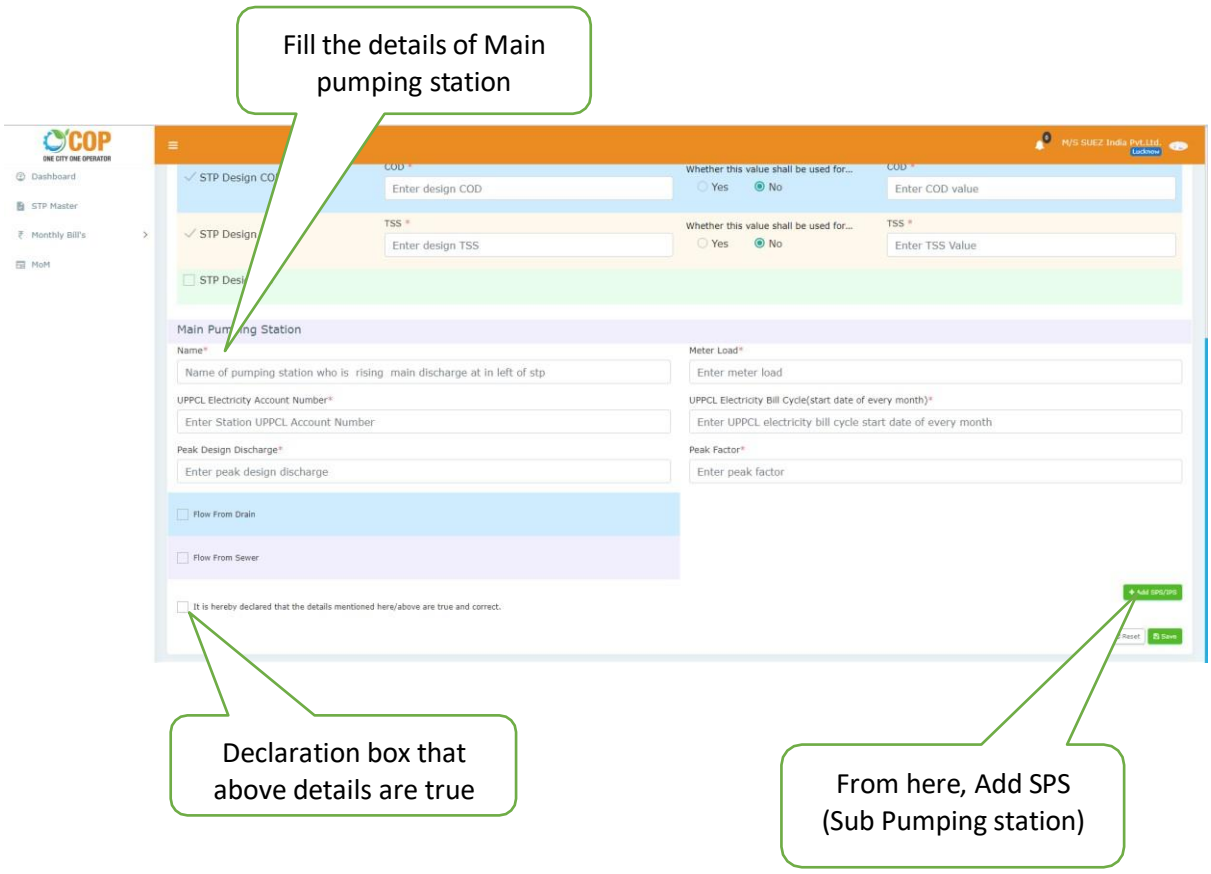


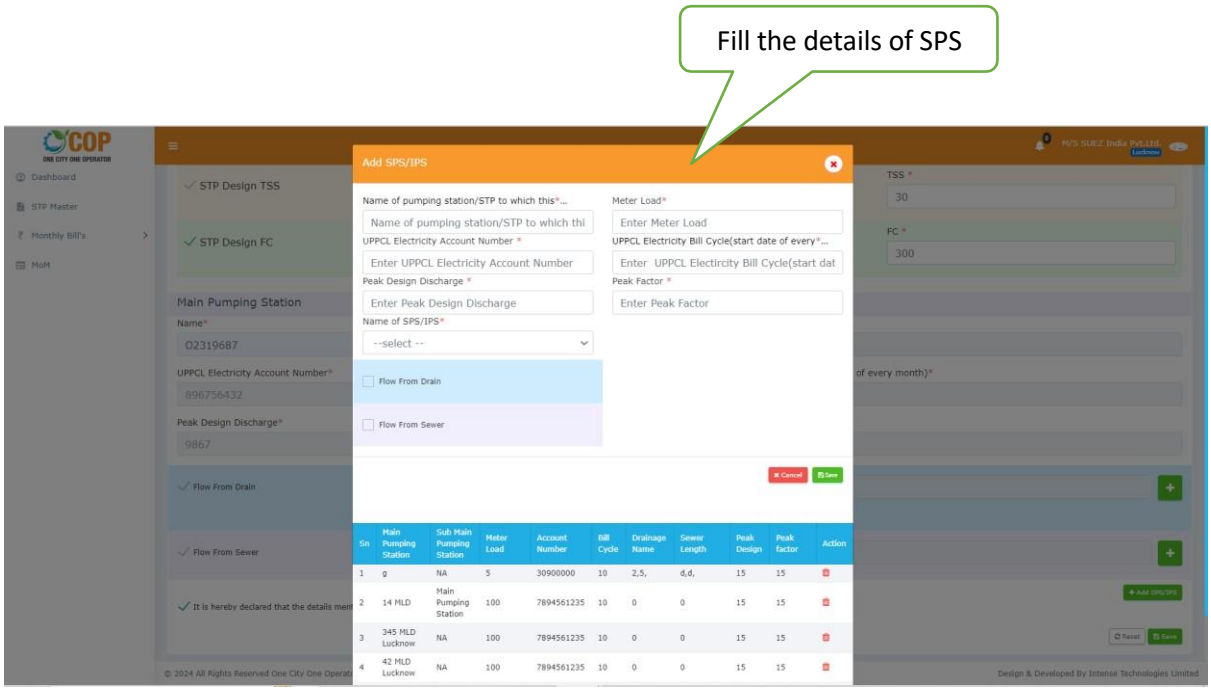




- Otherwise enter the details of STP for registration.
- Define the parameters of BOD, COD, TSS and FC.
- BOD - Biochemical Oxygen Demand
- COD: Chemical Oxygen Demand
- TSS: Total suspended solids
- FC: Fecal coliforms

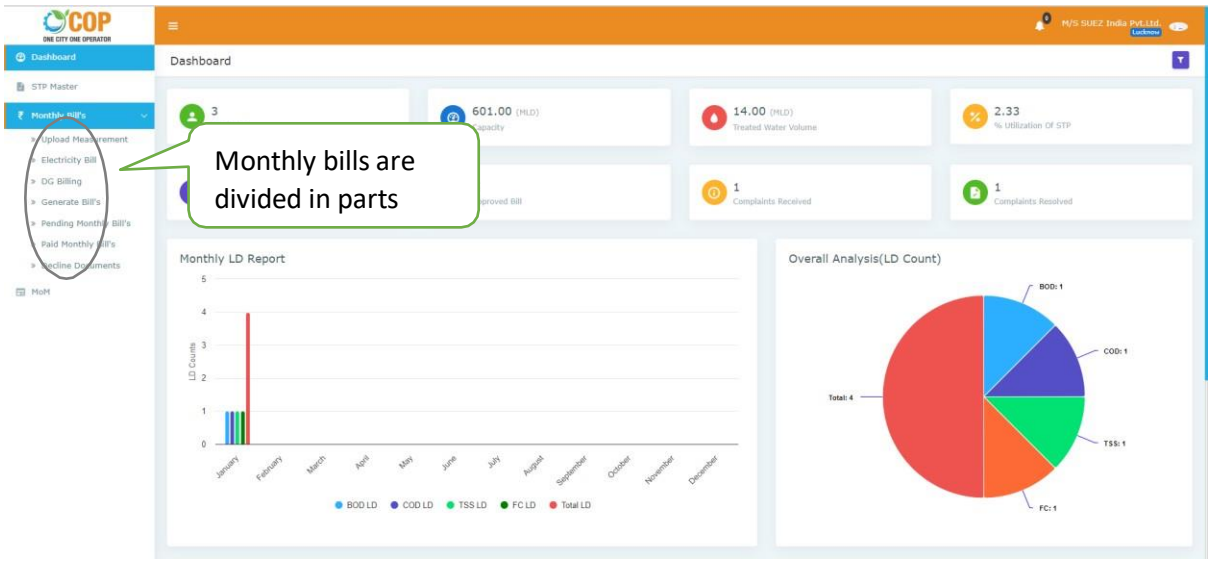

STP registration for adding a new STP
STP Registration
STP Name*
Enter STP name
Capacity*
Enter design capacity
Electricity Meter Load(KWH)*
Enter electricity meter load
Electricity Account No*
Enter electricity account no
Bill Cycle(start date of every month)*
Enter bill cycle start date of every month
City *
--select --
Location
Treatment Technology
Enter Treatment Technology
STP Design BOD
BOD *
Enter design BOD
Whether this value shall be used for...
Yes
No
BOD *
Enter BOD value
STP Design COD
COD *
Enter design COD
Whether this value shall be used for...
Yes
No
COD *
Enter COD value
STP Design TSS
TSS *
Enter design TSS
Whether this value shall be used for...
Yes
No
TSS *
Enter TSS Value
STP Design FC
Main Pumping Station
Add the parameters, in case of No


Fill the details of Main pumping station
Main Pumping Station
Name*
Name of pumping station who is rising main discharge at in left of stp
Meter Load*
Enter meter load
UPPCL Electricity Account Number*
Enter Station UPPCL Account Number
UPPCL Electricity Bill Cycle(start date of every month)*
Enter UPPCL electricity bill cycle start date of every month
Peak Design Discharge*
Enter peak design discharge
Peak Factor*
Enter peak factor
Flow From Drain
Flow From Sewer
It is hereby declared that the details mentioned here/above are true and correct.
Declaration box that above details are true
From here, Add SPS (Sub Pumping station)

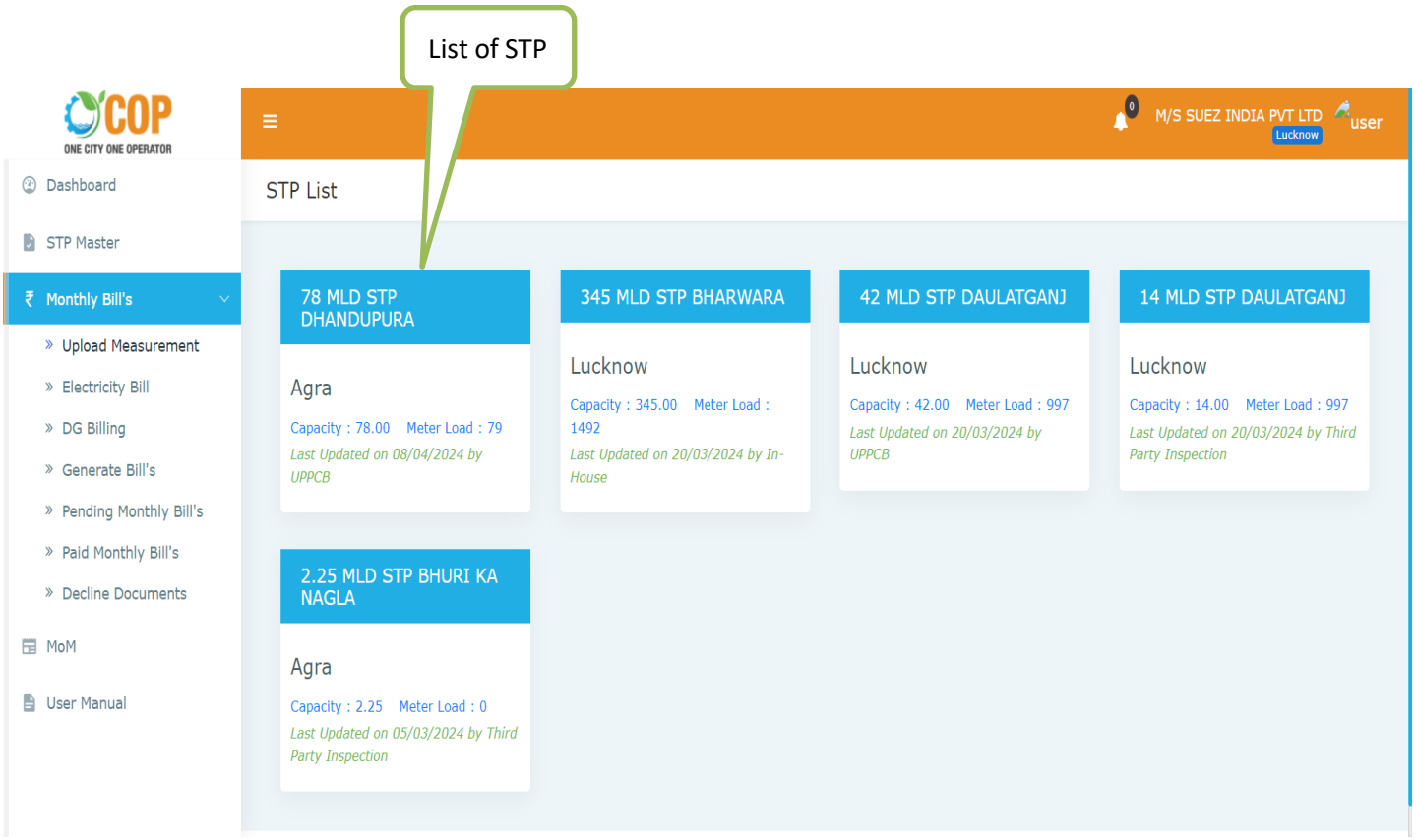


- Fill the following required fields.
- There is no update option in STP, so fill it carefully.
- Declaration is necessary, fields are true or not.

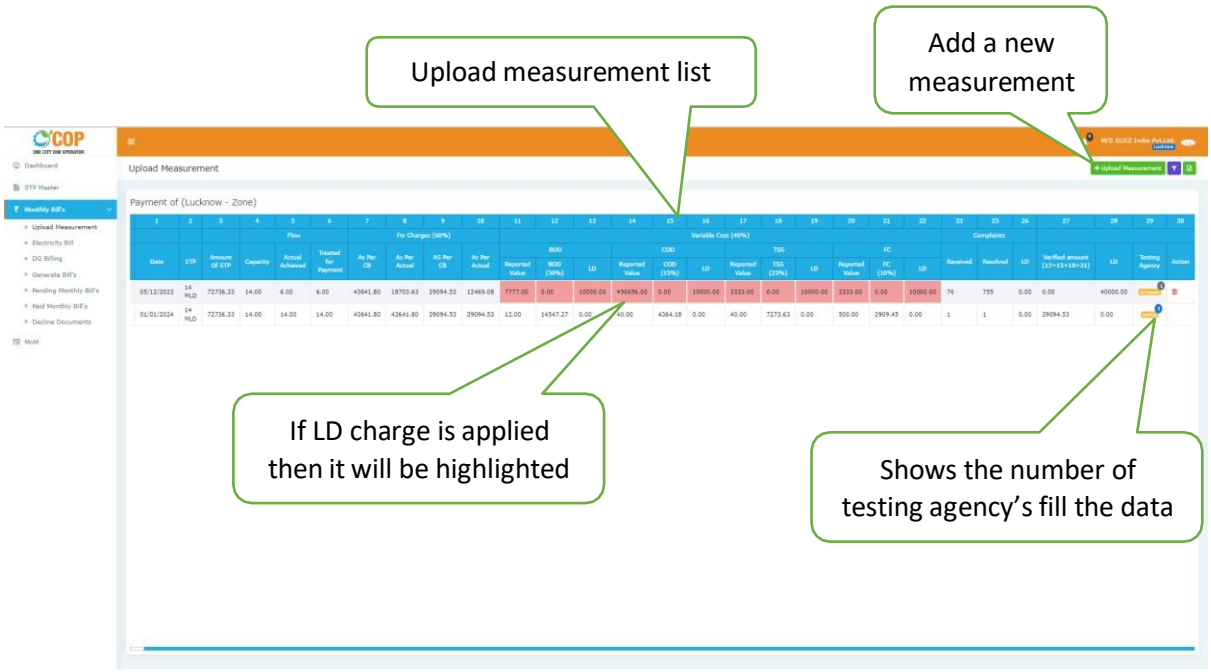
c. Monthly Bills:



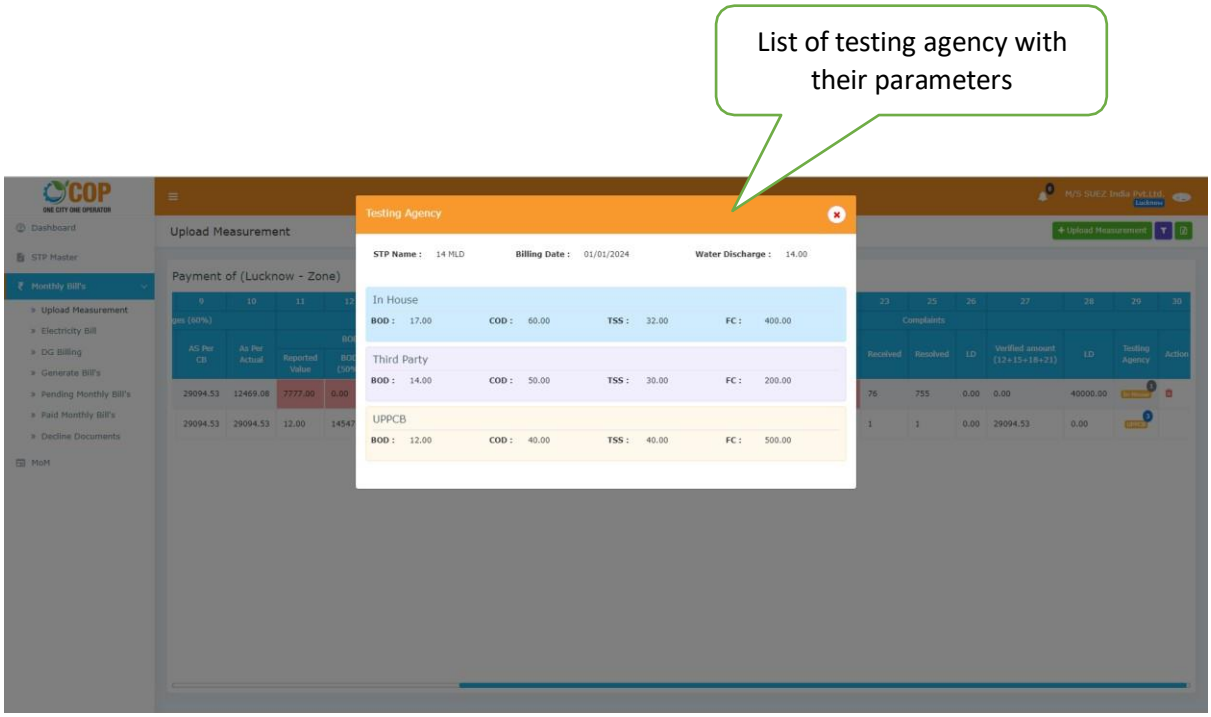
❖ Upload Measurement :

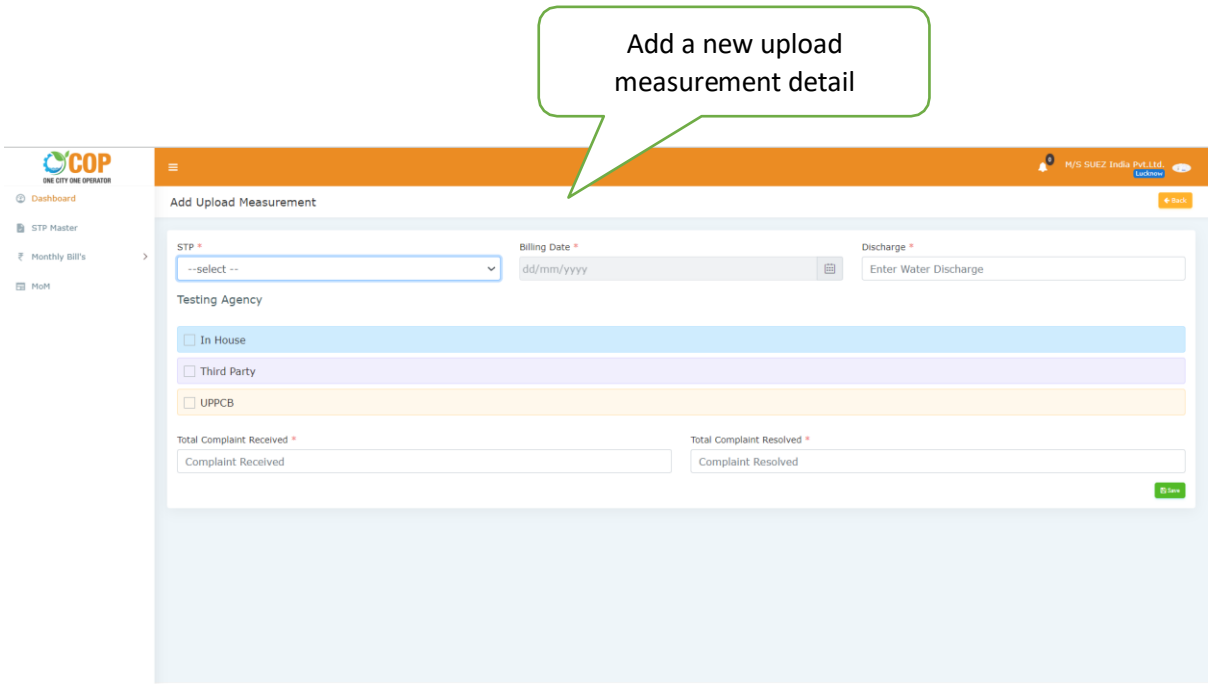


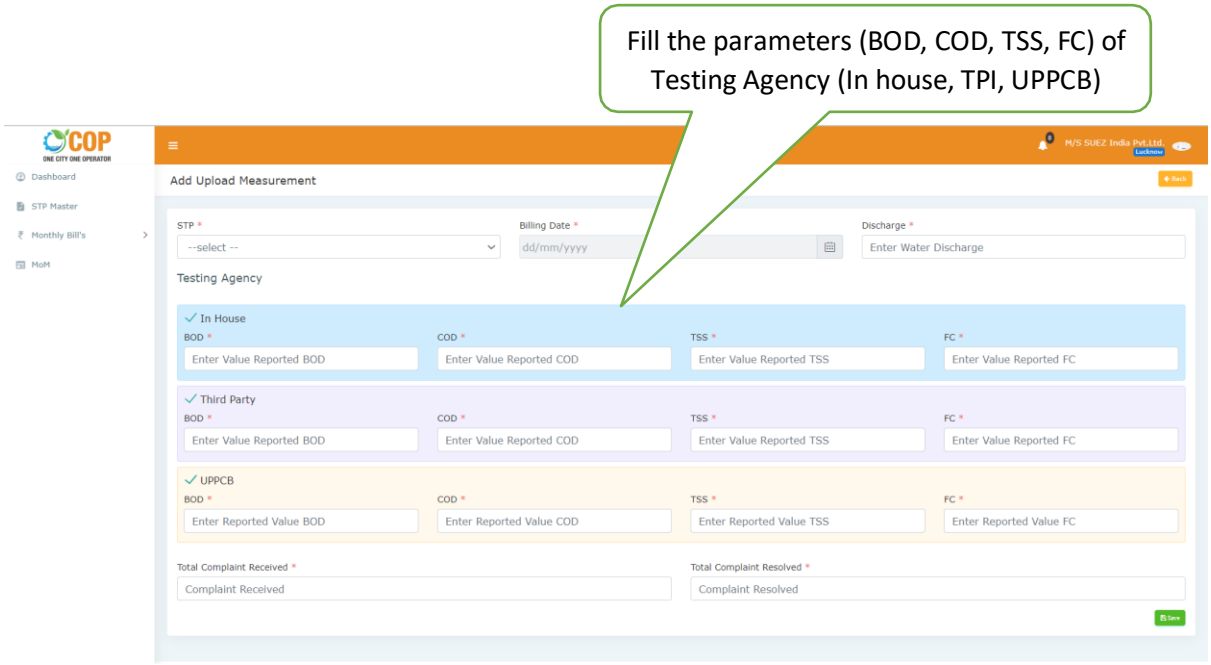
- Firm will select the STP after that upload measurement page will appear.



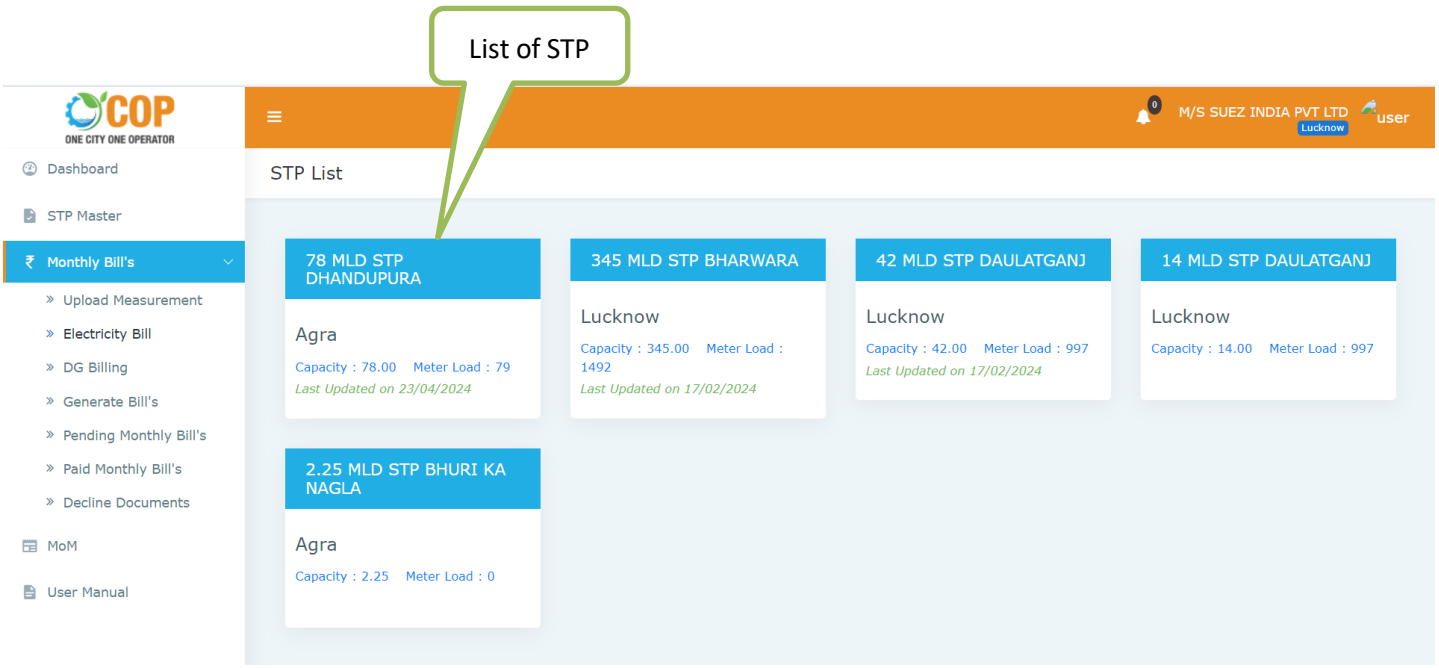
- Firm can delete the existed measurements record.

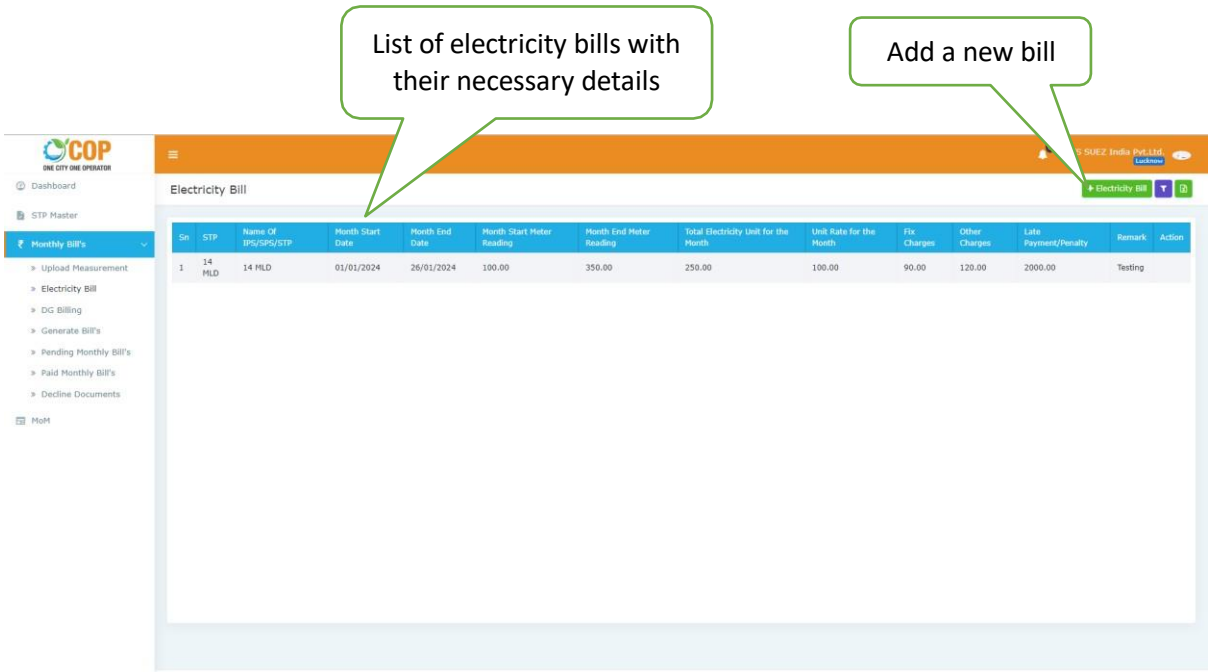


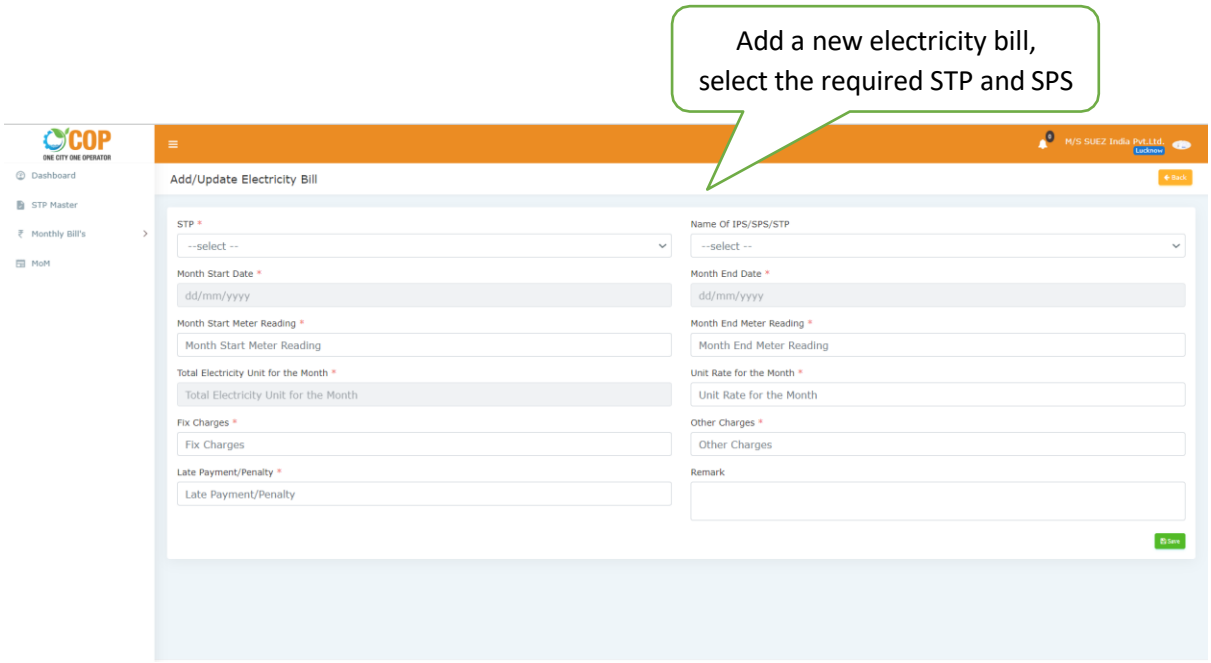

Add a new upload measurement detail
Add Upload Measurement
STP *
--select --
Billing Date *
dd/mm/yyyy
Discharge *
Enter Water Discharge
Testing Agency
In House
Third Party
UPPCB
Total Complaint Received *
Complaint Received
Total Complaint Resolved *
Complaint Resolved


Fill the parameters (BOD, COD, TSS, FC) of Testing Agency (In house, TPI, UPPCB)
Add Upload Measurement
STP *
--select --
Billing Date *
dd/mm/yyyy
Discharge *
Enter Water Discharge
Testing Agency
In House
BOD *
Enter Value Reported BOD
COD *
Enter Value Reported COD
TSS *
Enter Value Reported TSS
FC *
Enter Value Reported FC
Third Party
UPPCB
Enter Reported Value BOD
Enter Reported Value COD
Enter Reported Value TSS
Enter Reported Value FC
Total Complaint Received *
Complaint Received
Total Complaint Resolved *
Complaint Resolved

❖ Electricity Bill



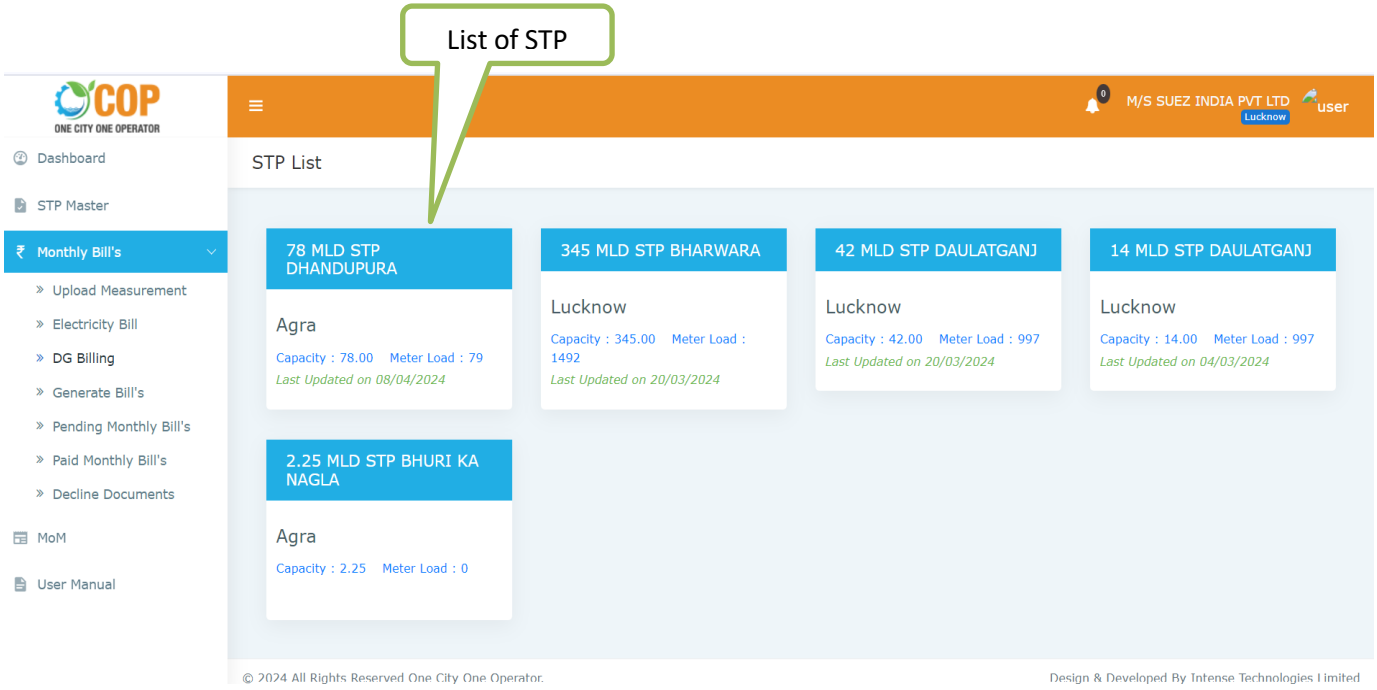




- Fill the mandatory fills and you get a record in a bill list.

- Whatever the date and reading you fill, at the time of registration by default it fills.

❖ DG Billing :


List of STP
ONE CITY ONE OPERATOR
M/S SUEZ INDIA PVT LTD
Lucknow
user
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
User Manual
STP List
78 MLD STP DHANDUPURA
Agra
Capacity : 78.00 Meter Load : 79
Last Updated on 08/04/2024
345 MLD STP BHARWARA
Lucknow
Capacity : 345.00 Meter Load : 1492
Last Updated on 20/03/2024
42 MLD STP DAULATGANJ
Lucknow
Capacity : 42.00 Meter Load : 997
Last Updated on 20/03/2024
14 MLD STP DAULATGANJ
Lucknow
Capacity : 14.00 Meter Load : 997
Last Updated on 04/03/2024
2.25 MLD STP BHURI KA NAGLA
Agra
Capacity : 2.25 Meter Load : 0
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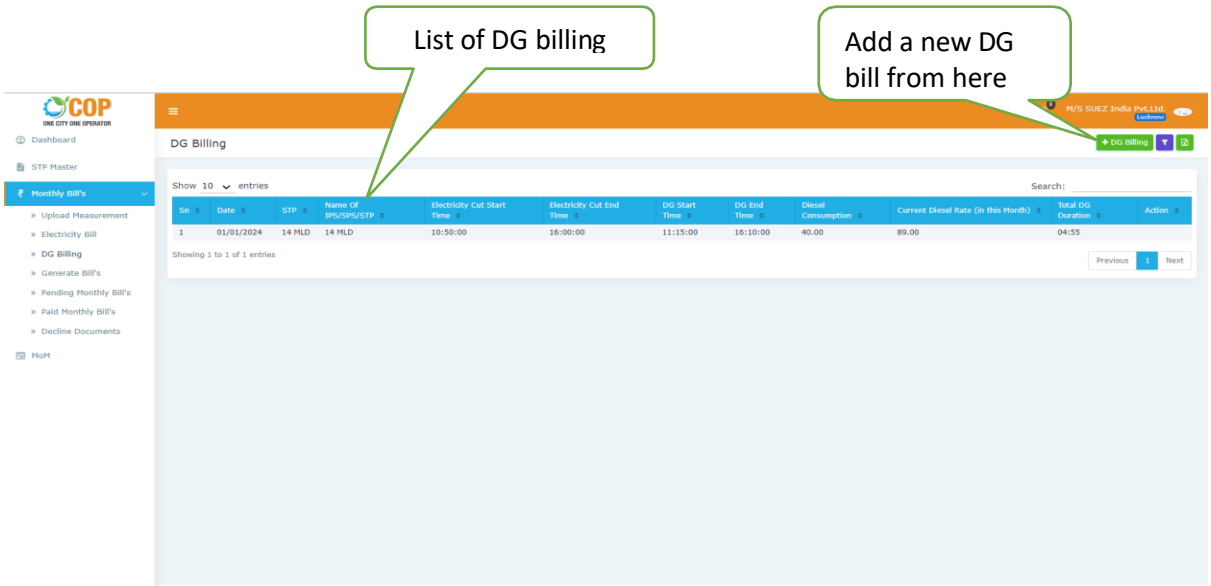
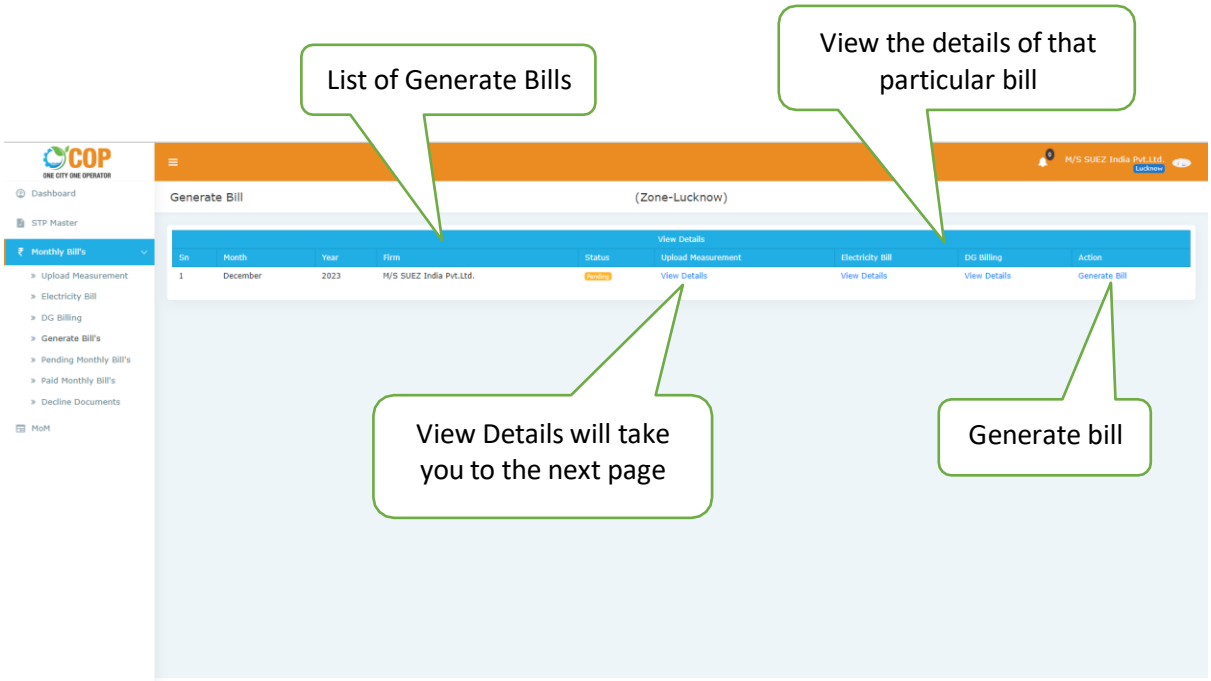
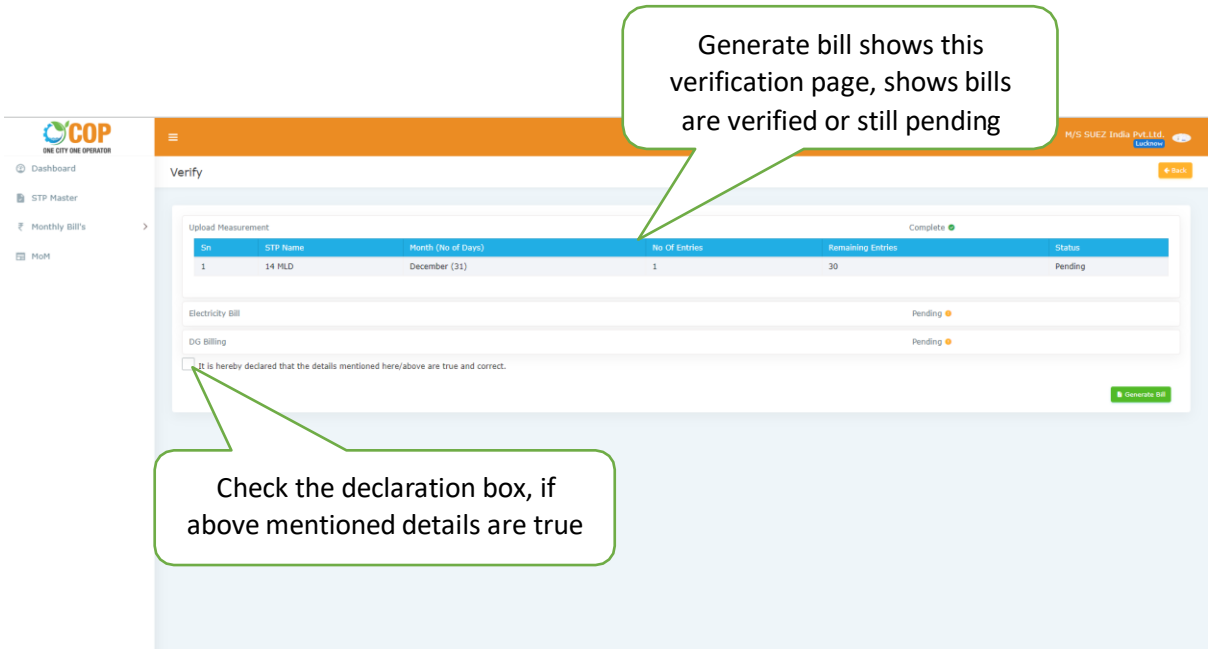
Design & Developed By Intense Technologies Limited


List of DG billing
Add a new DG bill from here
DG Billing
Show 10 entries
Search:
Sn
Date
STP
Name Of IPS/SPS/STP
Electricity Cut Start Time
Electricity Cut End Time
DG Start Time
DG End Time
Diesel Consumption
Current Diesel Rate (in this Month)
Total DG Duration
Action
1
01/01/2024
14 MLD
14 MLD
10:50:00
16:00:00
11:15:00
16:10:00
40.00
89.00
04:55
Showing 1 to 1 of 1 entries
Previous
1
Next

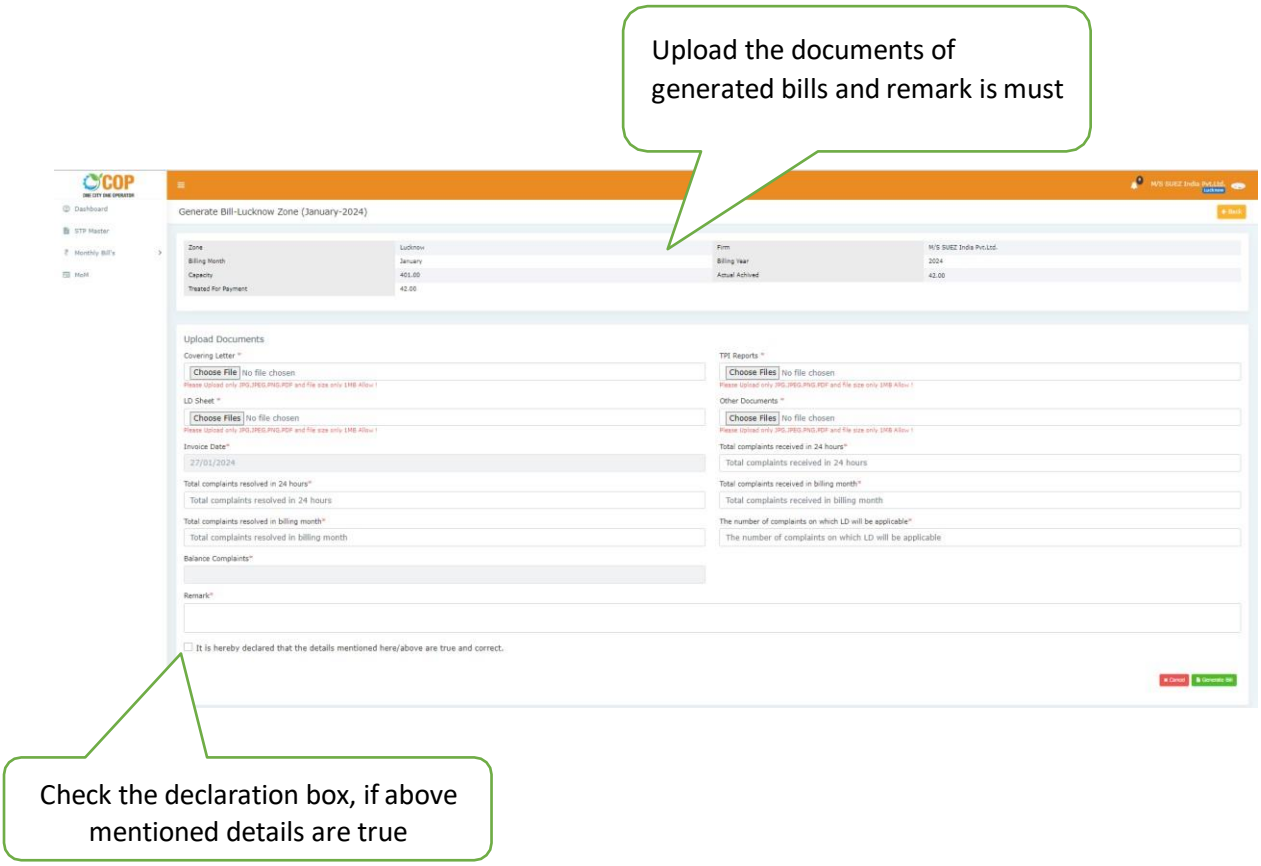
❖ Generate Bill



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

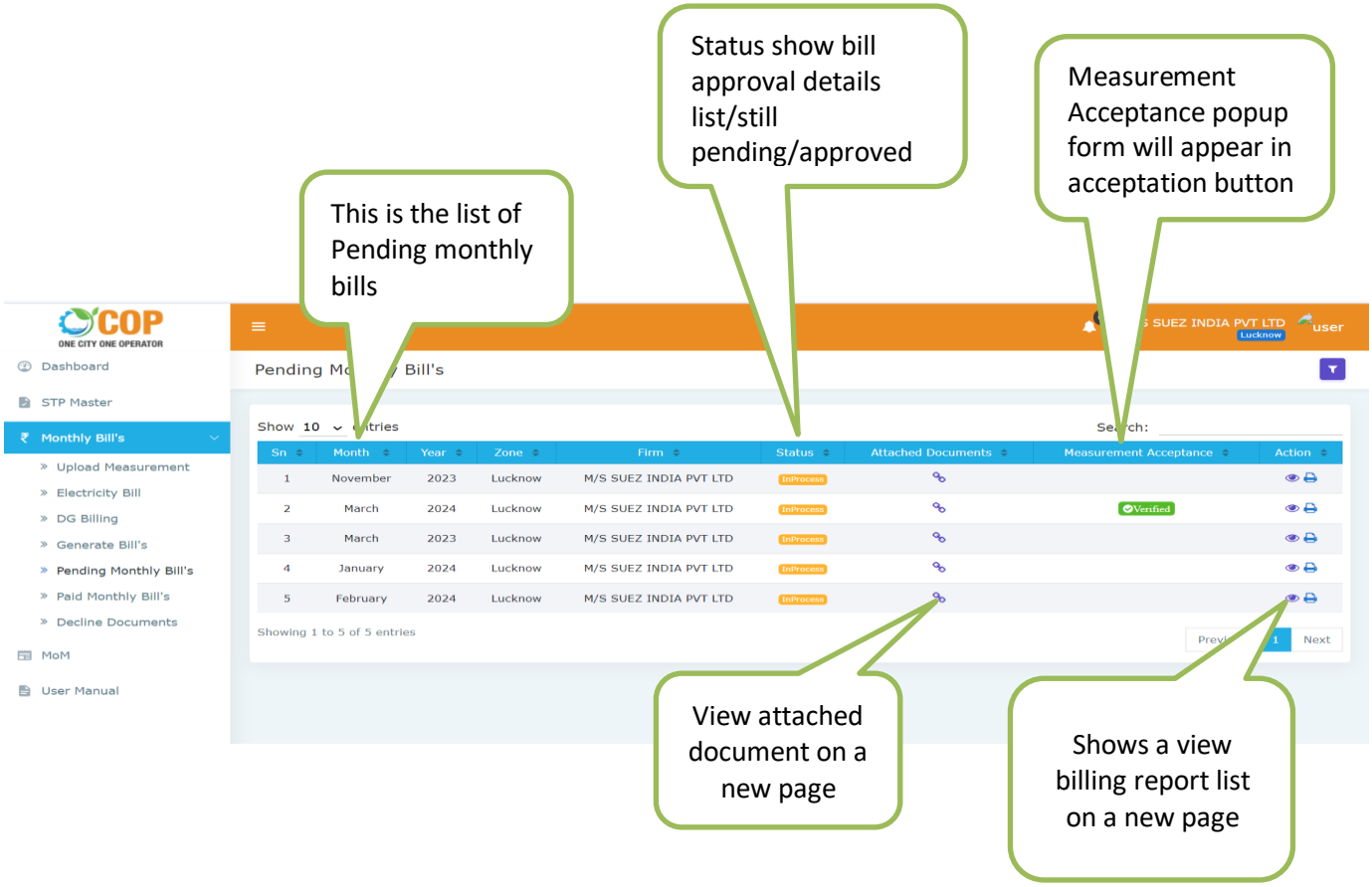


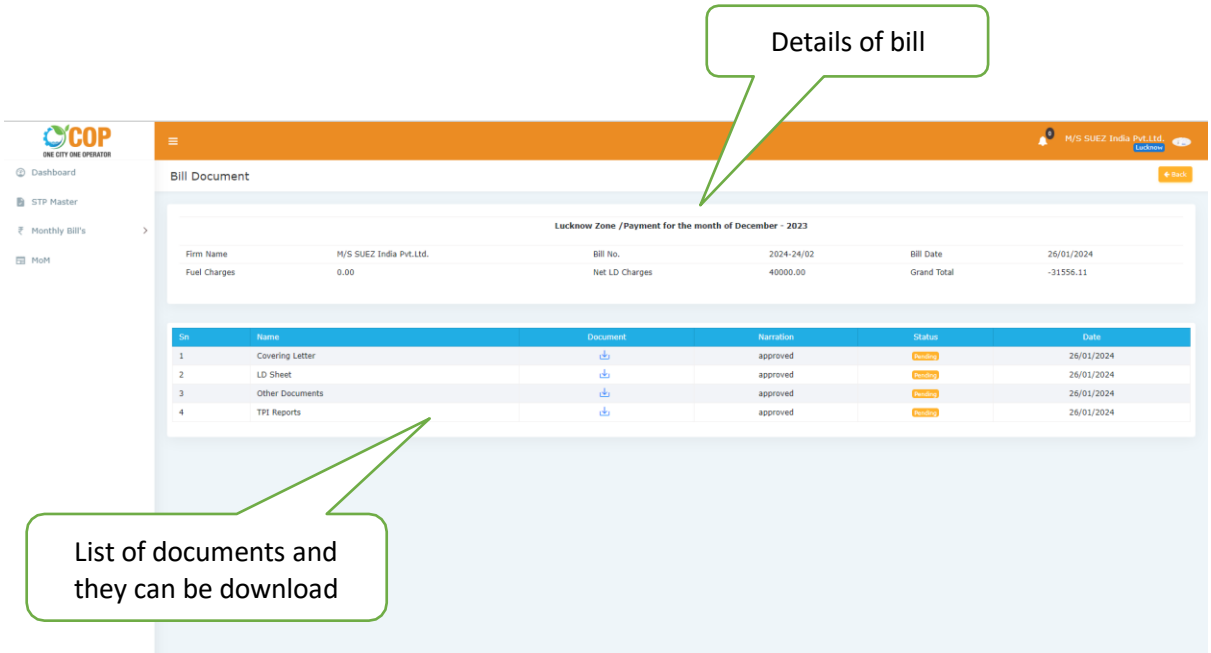
- Check the declaration message, then they will show you the bill.



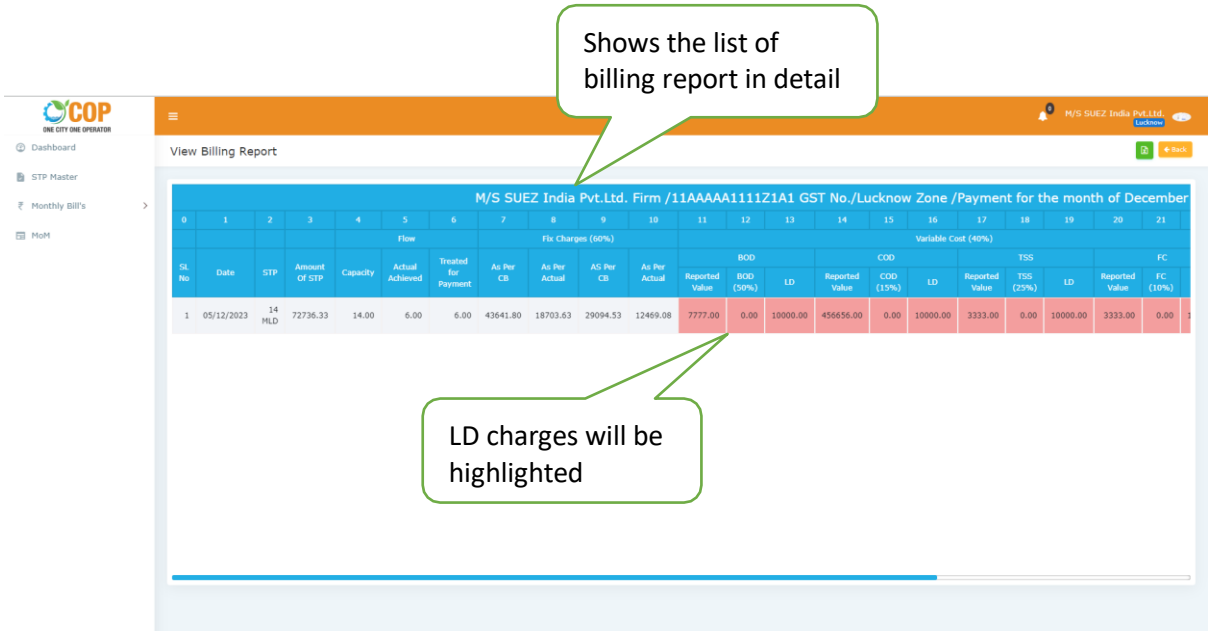
- Covering letter should be a single file.
- But on the other hand, TPI reports, LD sheet, and other documents can be multiple files.

❖ Pending Monthly Bills

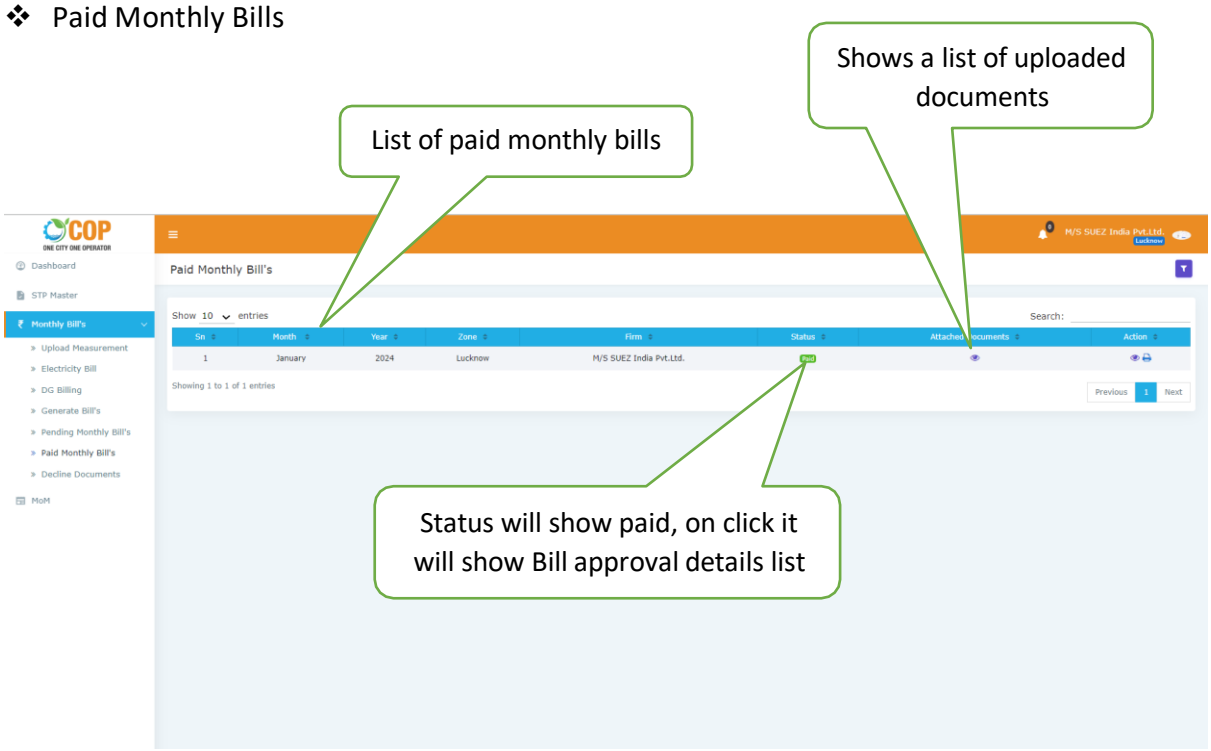




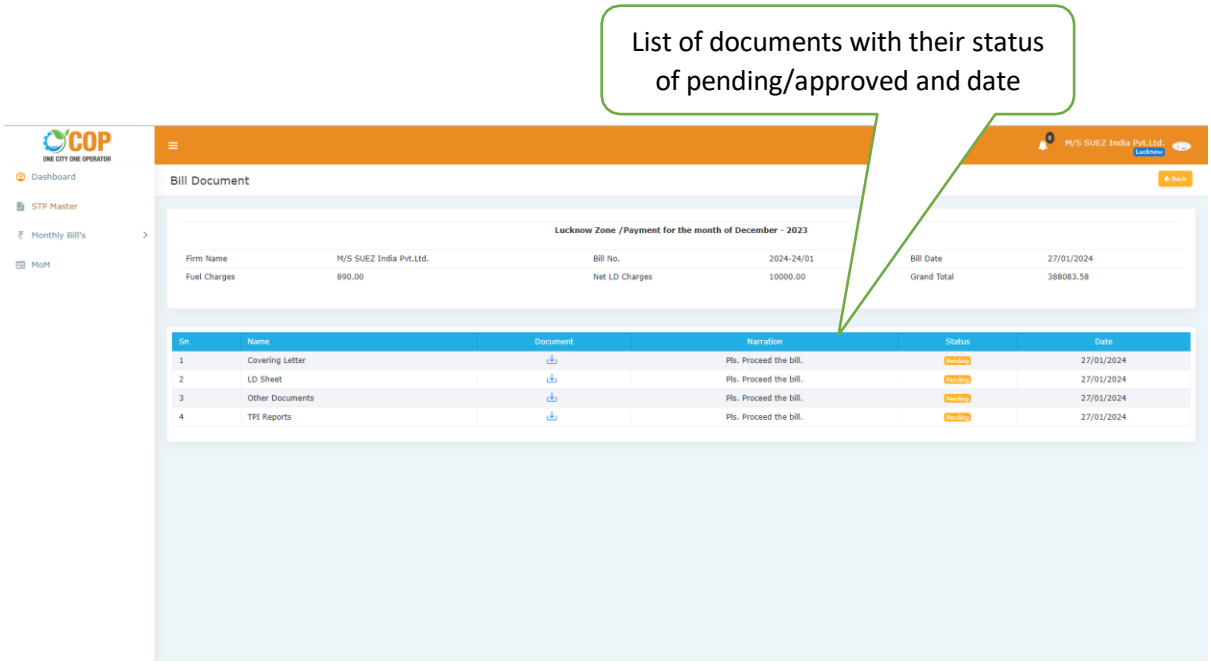
- Shows the list of documents with their status of pending/approval.



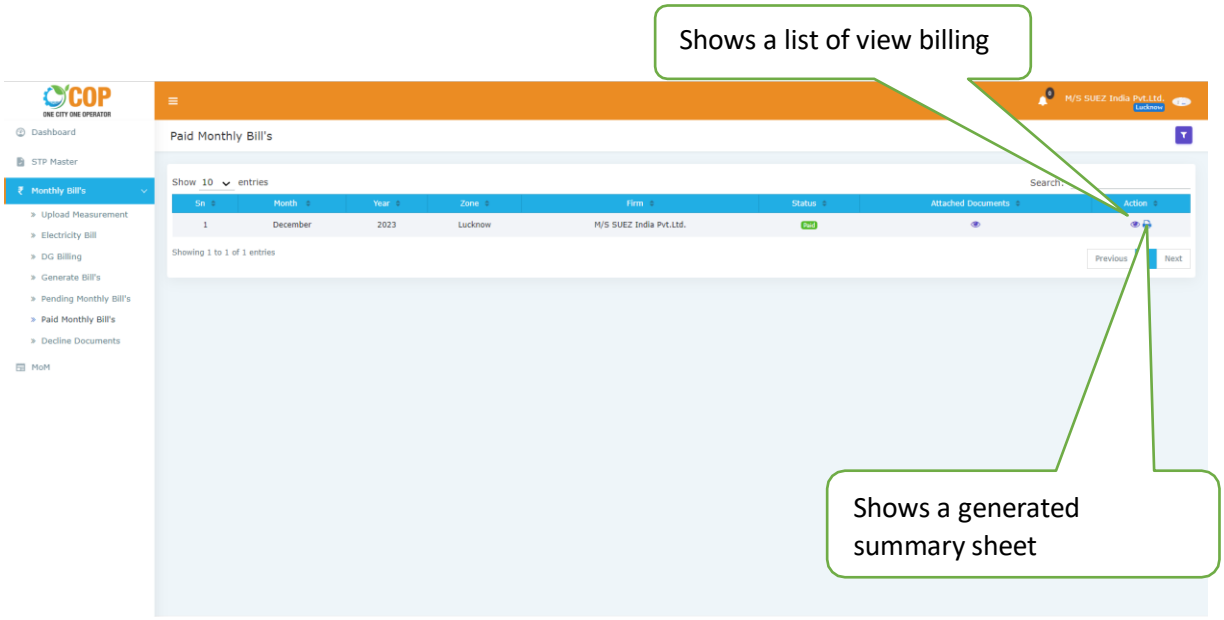
❖ Paid Monthly Bills

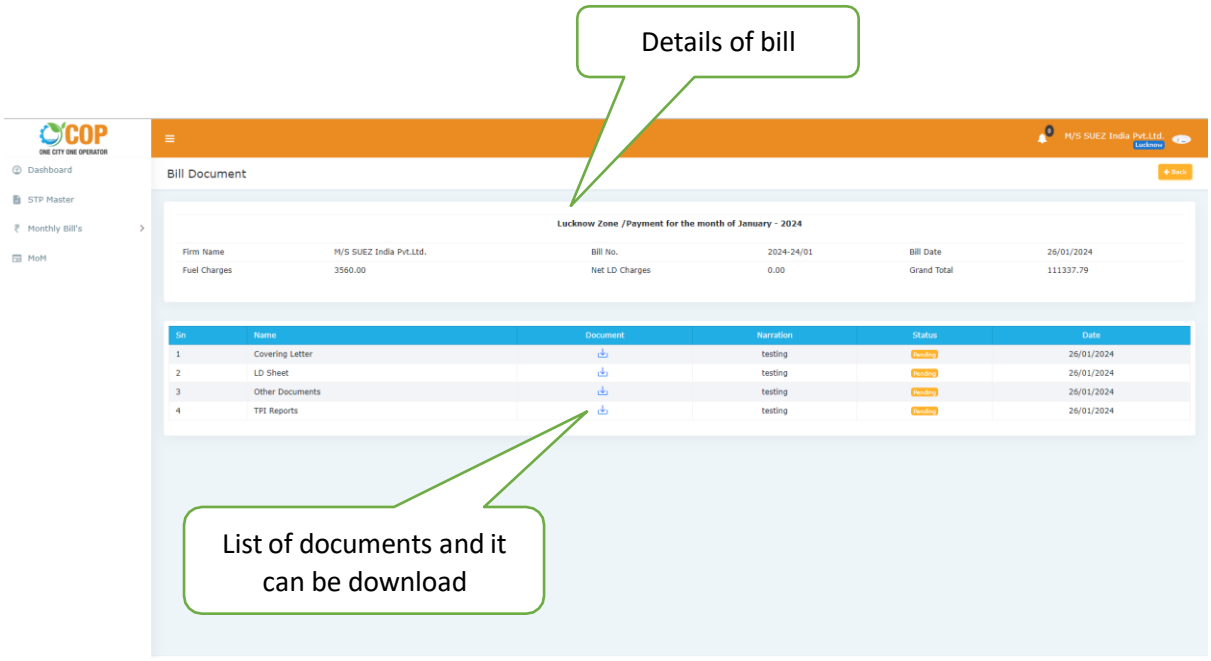


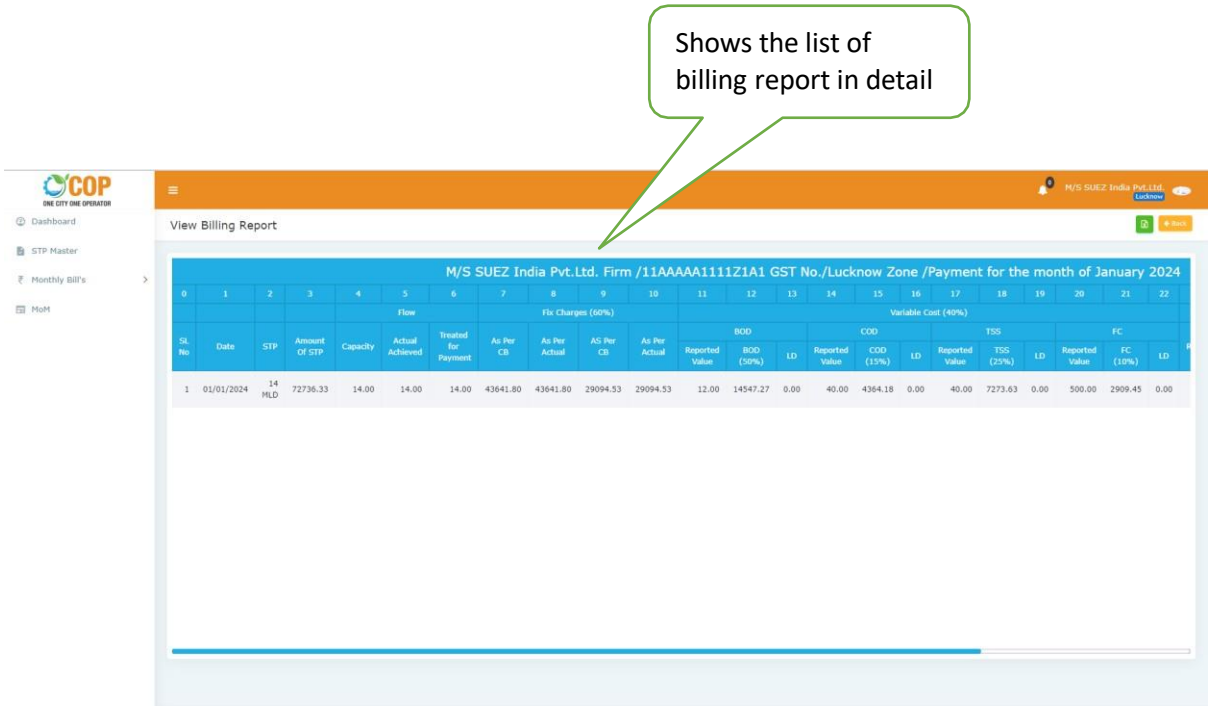
- Status will show at which Officer's end the bill is still pending or else approved.



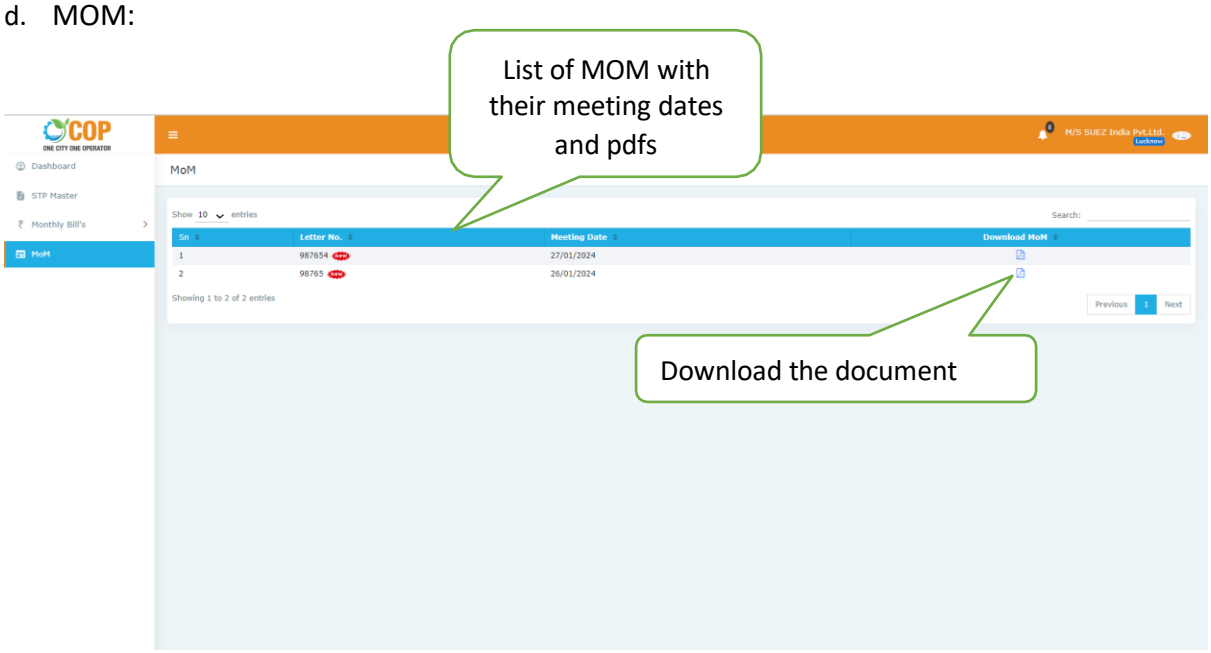
- Documents can be download.


Shows a list of view billing
Paid Monthly Bill's
Shows a generated summary sheet


Details of bill
Bill Document
List of documents and it can be download

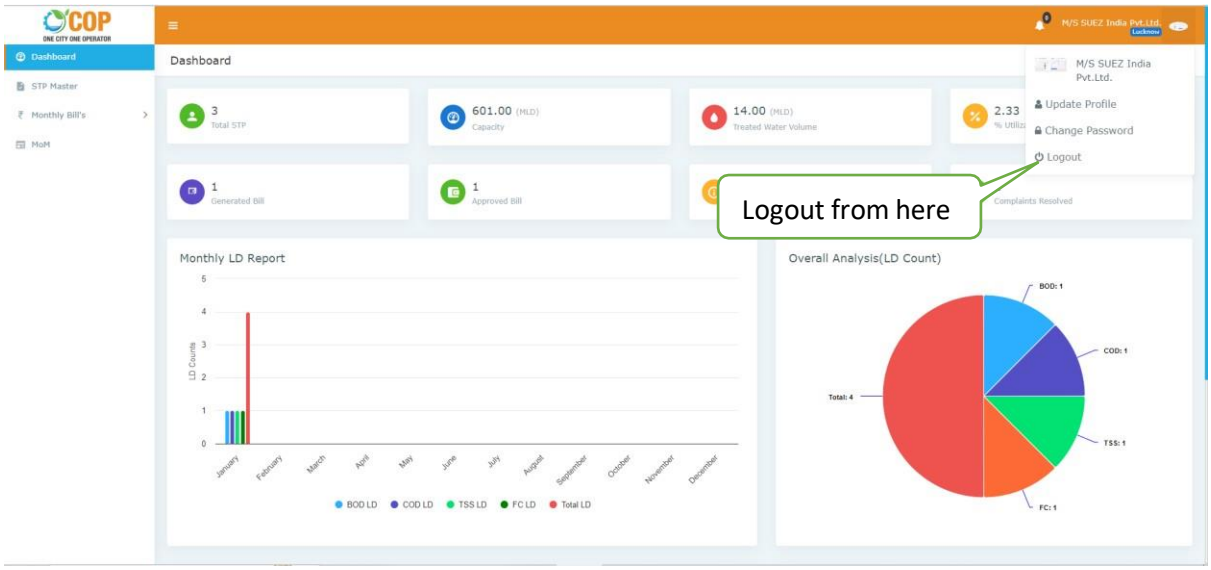


d. MOM:



- 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.