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About the Web Dashboard

The Web Dashboard enables you to view the Overall Net Balance, Beneficiary Details, Supply Schedule, Tariff rates, and General information of the water system. This also helps to know about the different financial records of the year, maintenance Infos, cost visualization, etc. This web Dashboard will guide you through the different tabs and sub-tabs including the visualization of the graph.

Accessing the Web Configuration Panel

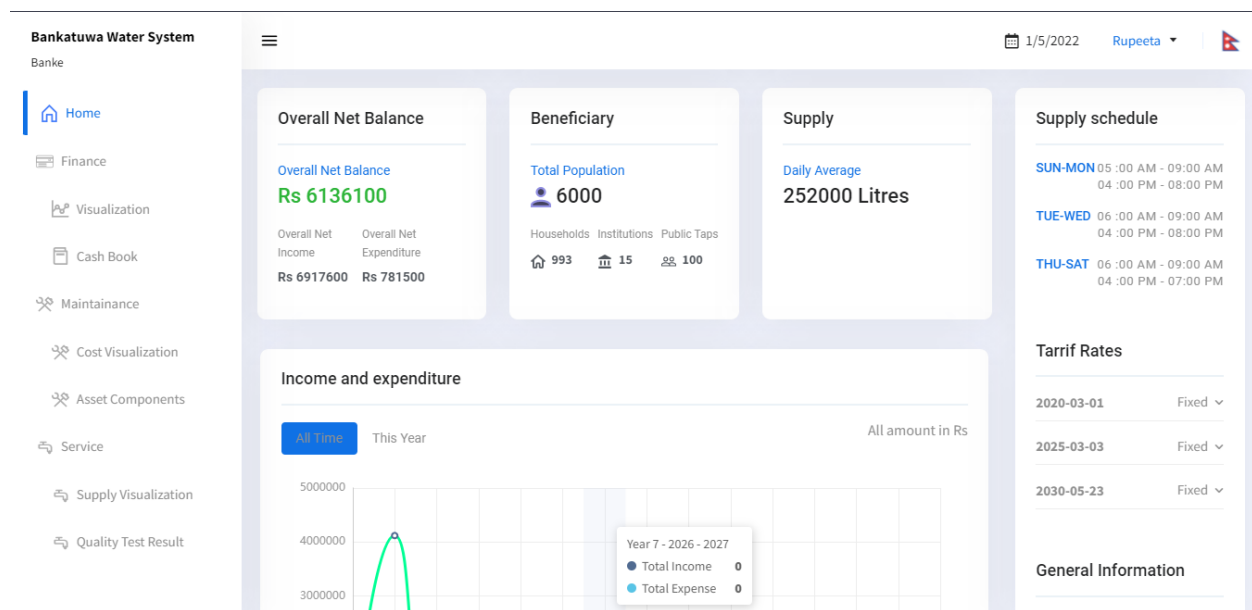
You can access the Web Dashboard using any compatible browser installed on your PC. To log in to the web Dashboard, you will need the authorized Link.

Web Dashboard

When Water System's User login to the web dashboard

2.1: Home

In the Dashboard's Home tab, users can view the Overall Net Balance, General Information, Beneficiary details, Supply Schedule, Tariff rates, and Graph visualization of the Water System.



Income & Expenditure Visualization

In the Visualization Graph of Income & Expenditure, users can view the Income and Expenditure of different years with respective months of the water system. There is a visualization graph for:

- All Time
- This Year

All Time: In the All-time visualization graph, users can view the income and expenditure for the different years only. If the user clicks on the graph for Year 1, then he will be able to see the total income and expenses for that year. Likewise, to view other Years' income and expenditure, users have to click on the graph of the different years.



This year: In This year's visualization graph, users can view the income and expenditure for the current year with respective months.

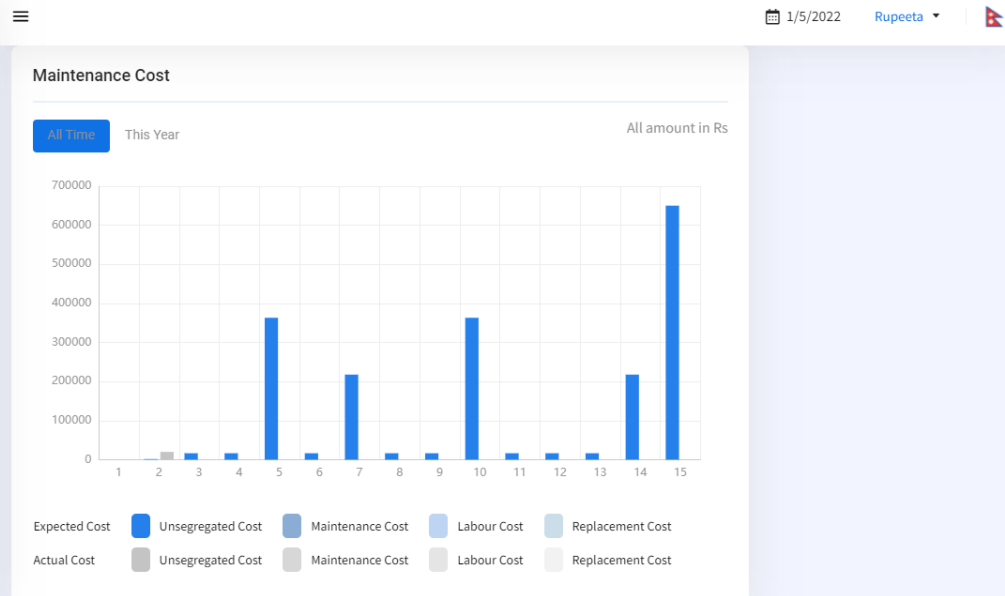


Maintenance Cost Visualization

In the Visualization Graph of Maintenance Cost, users can view the maintenance cost for the different years with respective months of the water system. There is a visualization graph for:

- All Time
- This year

All Time: In the All-time visualization graph, users can view the maintenance cost like Expected unsegregated, expected material, expected labor, expected replacement, Actual unsegregated, actual material, actual labor, and actual replacement cost. If the user clicks on the graph for Year 1, then he will be able to see the maintenance cost for that year. Likewise, to view other years' maintenance costs, users have to click on the graph of different years.



This Year: In This year's visualization graph, users can view the maintenance cost (Segregated and Unsegregated) for the current year with respective months.

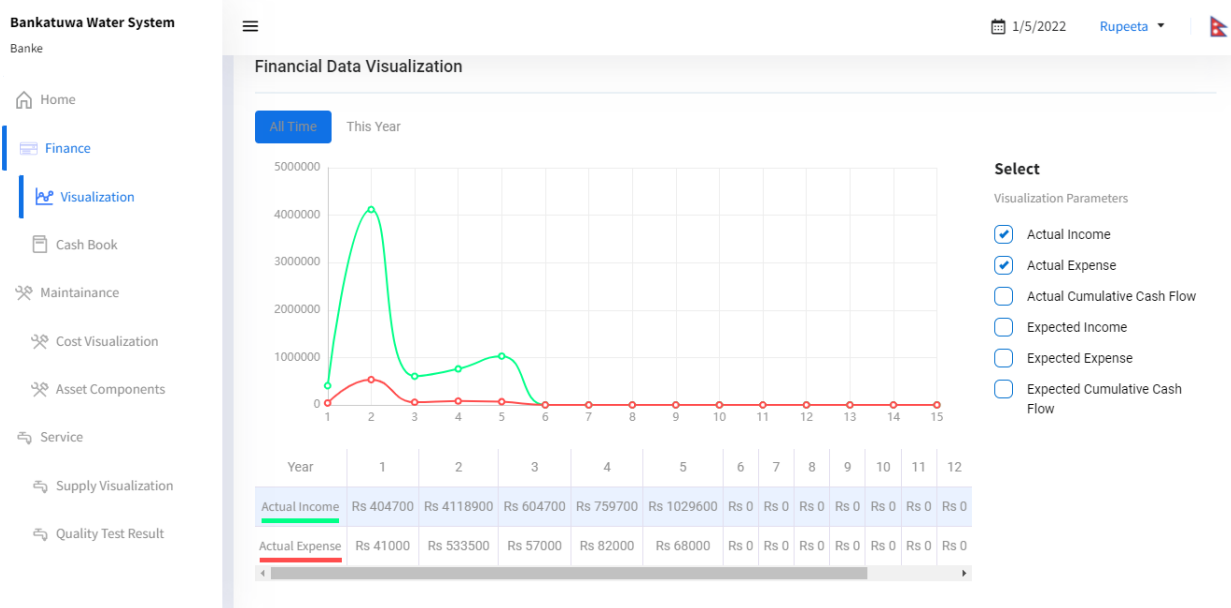


2.2 Finance

In the Finance tab, there are mainly two tabs. They are visualization and Cashbook.

In the Financial data visualization graph, there is a visualization graph for All Time & This Year.

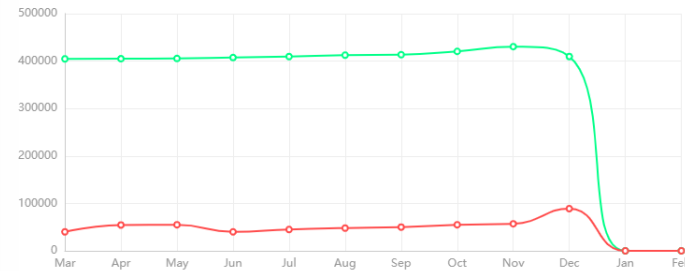
All Time: In the All-time Financial visualization graph, users can view the financial data for the different years. On the right side of the tab, there is a visualization parameter that needs to be selected by the user in order to see the financial records in a graph for different years. Users can see Actual Income, Actual Expenses, Actual Cumulative Cash Flow, Expected income, Expected expenses, and Expected cumulative cash flow.



This Year: In This year's Financial data visualization graph, users can view the financial data for the current year with the respective months. On the right side of the tab, there is a visualization parameter that needs to be selected by the user in order to see the financial records in a graph for different months of the current year. Users can see Actual Income, Actual Expenses, Actual Cumulative Cash Flow, Expected income, Expected expenses, and Expected cumulative cash flow.

Financial Data Visualization

All Time This Year



Select

Visualization Parameters

- ☒ Actual Income
- ☒ Actual Expense
- ☐ Actual Cumulative Cash Flow
- ☐ Expected Income
- ☐ Expected Expense
- ☐ Expected Cumulative Cash Flow

Month	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
Actual Income	Rs 404700	Rs 405000	Rs 405500	Rs 407500	Rs 409500	Rs 412500	Rs 413500	Rs 420500	Rs 430000
Actual Expense	Rs 40000	Rs 54500	Rs 55000	Rs 40000	Rs 45000	Rs 48000	Rs 50000	Rs 55000	Rs 57000

In the cashbook tab, users can see the cash book record regarding income and expenses by selecting different year dates. This cashbook record will show the total amount and the previous month's total as per the different income and expenses headings.

Cash Book (Aug)

Income Expenditure

2021-08-18

Date	Description	Donation	Households	Institutions	Other	Water Sales
	FROM PREVIOUS MONTH	-	Rs 409500	-	-	-
2021-08-30	Income from all the households and Institutions	-	Rs 412500	-	-	-
	TOTAL	-	Rs 412500	-	-	-

Paper Cashbook Image - Aug

2.3 Maintenance

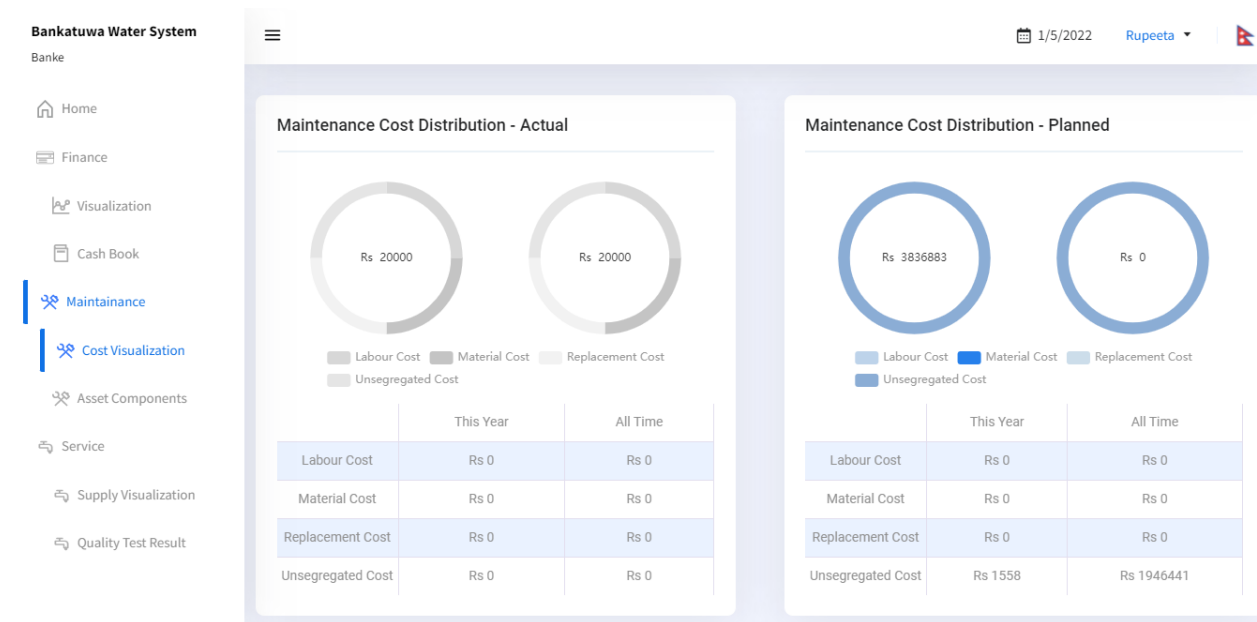
In the Maintenance tab, there are mainly two sub-tabs. They are cost visualization and Asset Components.

In the **Maintenance Cost Visualization graph**, there is a visualization graph for All Time & This Year.

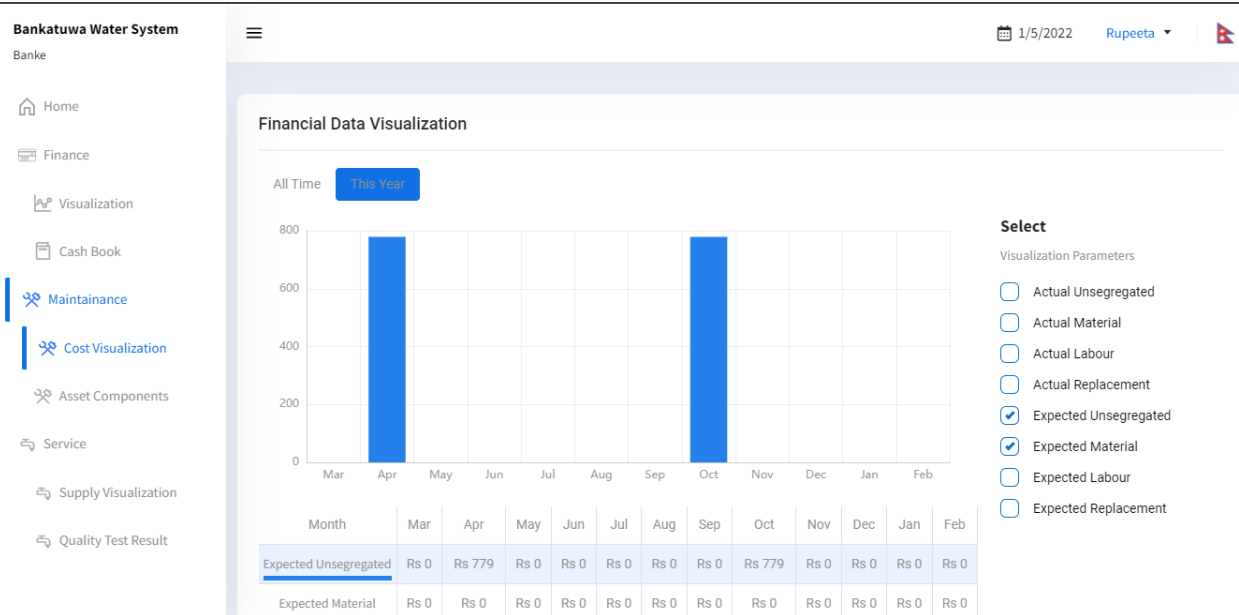
All-time: In the All-time maintenance visualization graph, users can view the maintenance record data for the different years. On the right side of the tab, there is a visualization parameter that needs to be selected by the user in order to see the maintenance records in a graph for different years. Users can see Actual unsegregated, Actual material, Actual labor, Actual replacement, Expected unsegregated, Expected material, Expected labor, and Expected Replacement.



Maintenance Cost Distribution- Actual & Maintenance Cost Distribution- Planned data can be seen in the table below the maintenance cost visualization graph.



This Year: in this year's Financial data visualization graph, users can view the financial data for the current year with the respective months. On the right side of the tab, there is a visualization parameter that needs to be selected by the user in order to see the maintenance records in a graph for different months of the current year. Users can see Actual unsegregated, Actual material, Actual labor, Actual replacement, Expected unsegregated, Expected material, Expected labor, and Expected Replacement.



In the **Asset Components**, users can see the list of Asset Components with the description of possible failure, mitigation, responsible with risk and cost. If the users click on the Risk button, they will be able to see the brief descriptions of failure with a risk score for an asset component. Similarly, if the users click on the Cost button, they will be able to see the required cost of an asset component for maintenance.

Bankatuwa Water System
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Home Finance Visualization Cash Book Maintenance Cost Visualization **Asset Components** Service Supply Visualization Quality Test Result

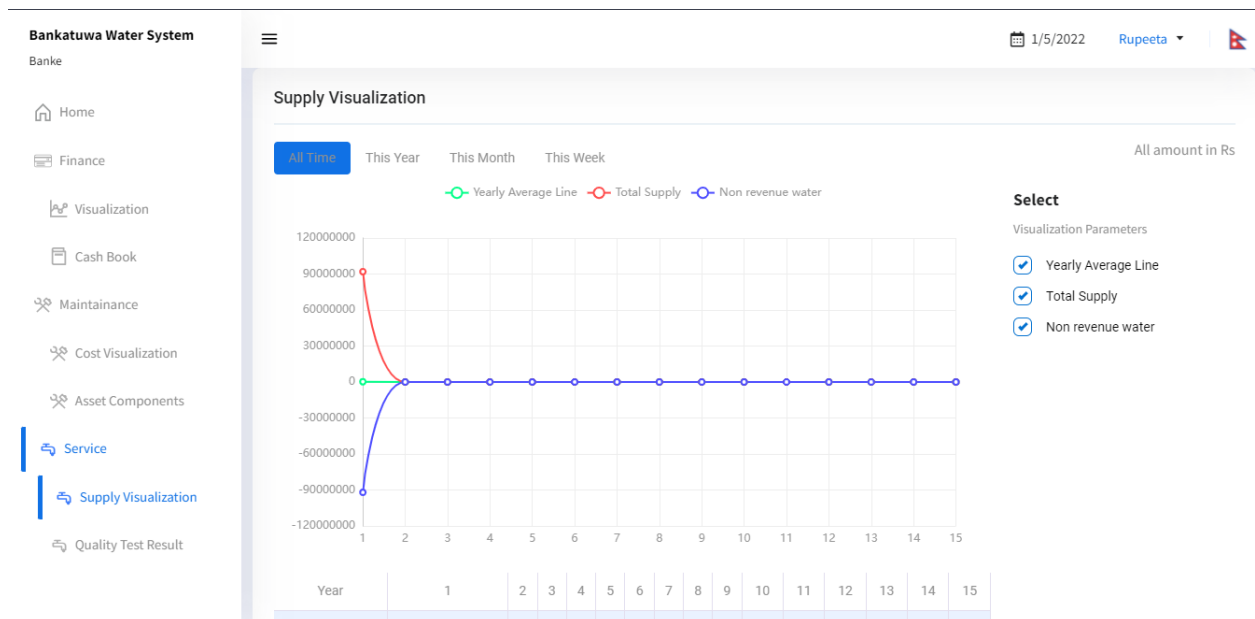
Asset Components

Asset Components	Description of Possible Failure	Risk	Cost	MITIGATION			RESPONSIBLE		
				REACTIVE	INSPECTION	PREVENTIVE	CARETAKER	TECHNICIAN	OTHERS
Wire and Cable									
Wiring cable	Breaking and theft	4	Rs 2000	✓					
4-core Cable	Breaking and dysfunctioning	4	Rs 15000	✓					
Electricity line cable	Old and dysfunctioning	4	Rs 30000		✓				
Supply of HDP Pipe									
225 mm-dia-4kgf	Aging	8	Rs 0		✓				
160 mm-dia-4kgf	Aging	4	Rs 0		✓				
140 mm-dia-4kgf	Aging	4	Rs 0		✓				

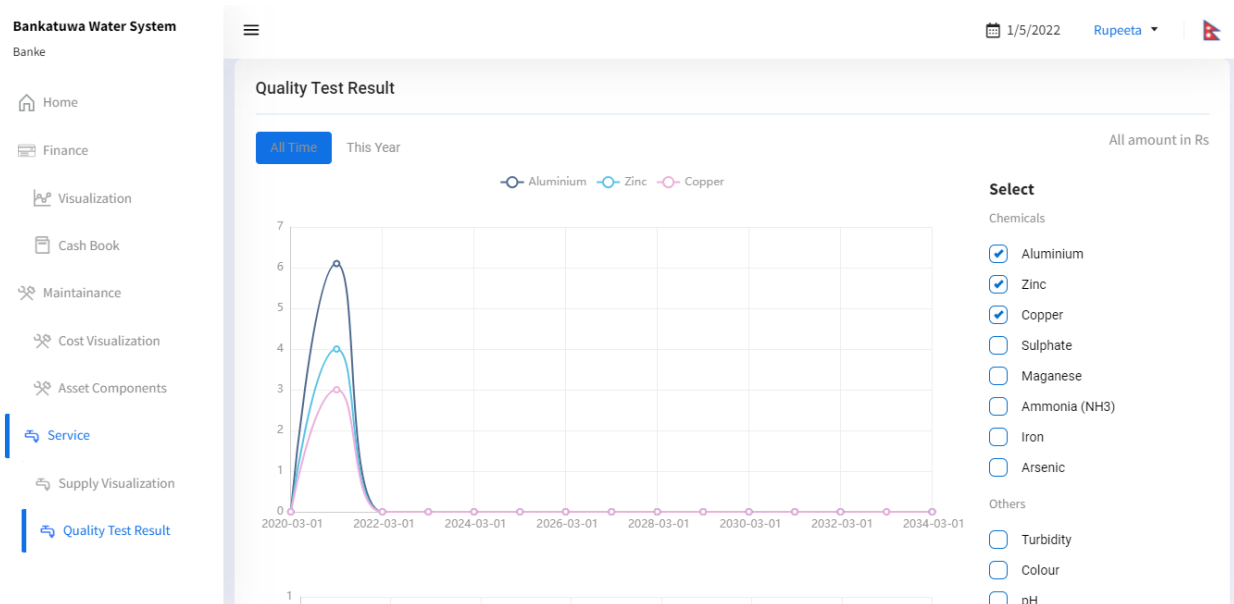
2.4: Service

In the Service Tab, there are mainly two sub-tabs. They are supply visualization and Quality Test Results.

In the **supply visualization graph**, users can view the water supply for All time, This Year, This Month & for This week. By selecting the visualization parameters, users will be able to see the Daily Average Line and Total Supply. By selecting different dates of the year, users can view supply data.



In the **Quality Test Result**, users can view the Quality test result of Water for All Time & This Year. By selecting the different water parameters, users will be able to see the quality test result for water.



Change Language

There is the availability of two languages: English and Nepali in the configuration web utility. Users can select the language by:

- Click on the top of the right corner where there is an icon of Flag in the configuration panel.

Logout

Users can logout from the web configuration by:

- Click on the name of the User placed on the right side of the panel near the language selection and click on the Logout displayed text.

