



WRMIS User Manual

REPORTS

DEVELOPMENT OF WATER RESOURCES MANAGEMENT INFORMATION SYSTEM (WRMIS) AND DECISION SUPPORT SYSTEM (DSS)

NESPAK

Version 1.0

March 30, 2017



Revision History

Version	Date	By	Summary of Changes
1.0	30-Mar-17	NESPAK	Initial Draft



TABLE OF CONTENTS

1. Reports	4
1.1 Dashboard	4
Zone	5
Circle	5
Division	6
Refresh	6
Tail status (Field Staff)	6
Tail Status (PMIU Staff)	6
Complaints Status	7
Water Theft Cases	8
Performance Evaluation	8
1.2 Daily Operational Data Reports	9
Channel Discharge History Report	9
Report pages will be shown on header	10
Exporting and Printing	10
Report footer will be shown as	11
1.3 Daily Operational	12
1.4 Daily Analysis Reports	12
1.5 Water Theft Reports	12
1.6 Complaint Reports	12
1.7 Schedule & Inspection	12
1.8 Irrigator Feedback	12
1.9 Performance Evaluation	14
1.10 Water Losses	14
1.11 Seasonal Planning	14

1. Reports

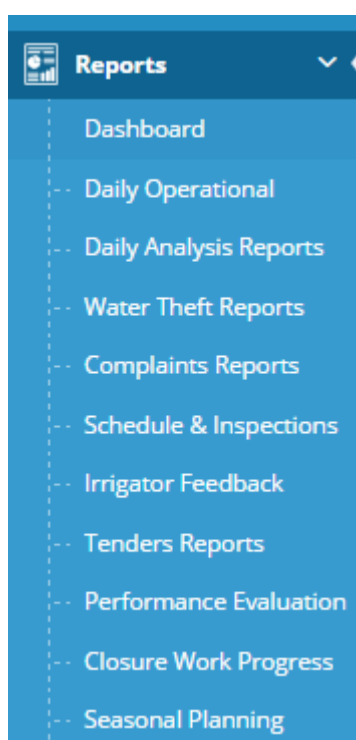
In reports module, authorized user can not only view and analyze the data but can export and print in desired format as well. Reports will display the data based on selected criteria respectively.

Business User: Administrator, SDO, XEN, SE, CE, Chief PMIU, PMIU Data Analyst

Any other user can access the reports based on assigned rights from Roles and Rights (User Administration)

Pre-Requisite: Role and Rights for Reports should be assigned to respective user correctly.

How to Access: Main Menu -> Reports

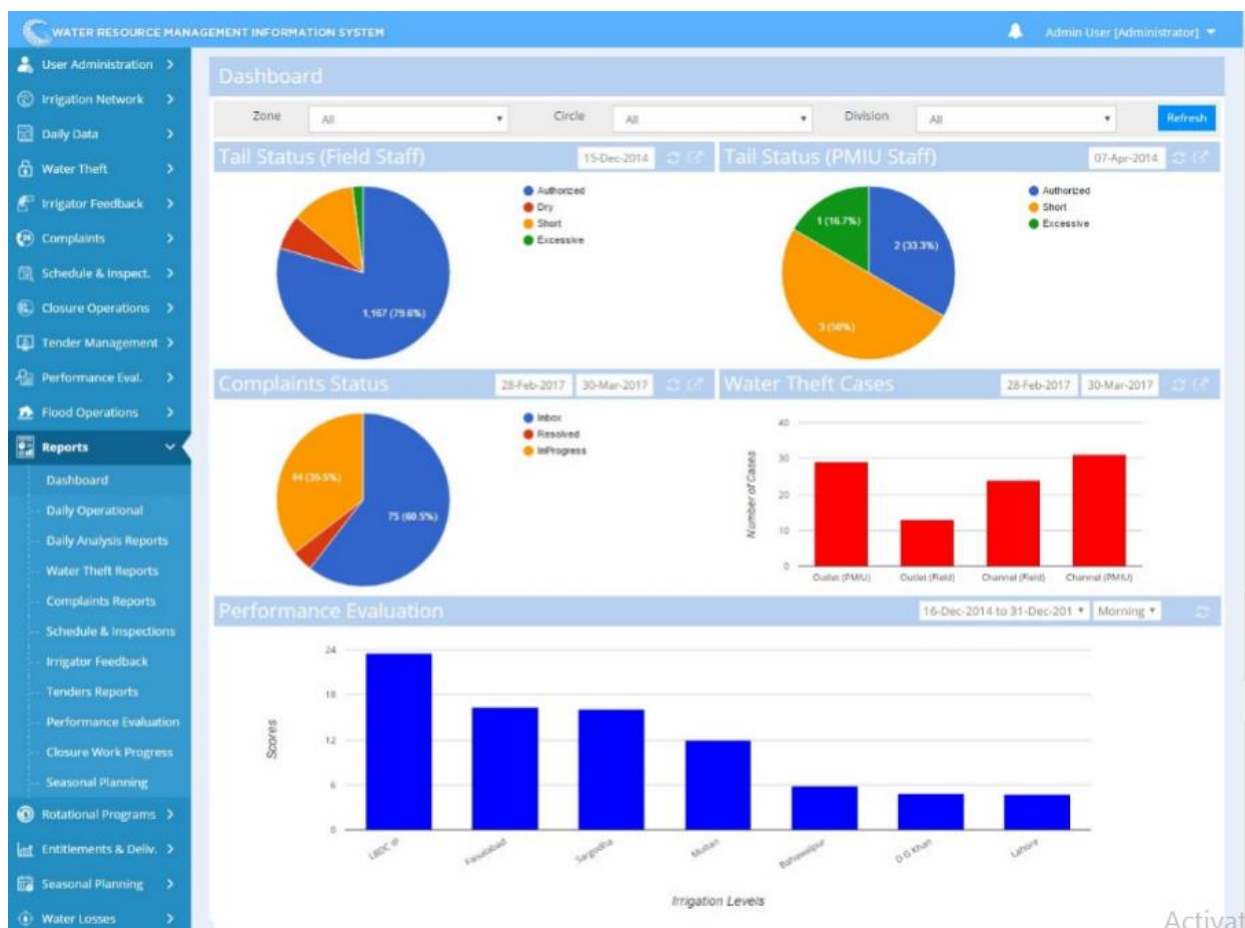


1.1 Dashboard

How to Access: Main Menu → Reports → Dashboard

Authorized user can view the graphical representation of the “Tail Statuses (reported by Field Staff), Tail Status (reported by PMIU staff), Complaint Statuses, Water Theft Cases, and recent Performance Evaluation scores” in graphical representation such as either as Pie Chart

or Bar Chart. User can also be able to view stats on different dates upon selecting his/her required date.



Zone

Zone

- Select desired "Zone" from Dropdown

Circle

Circle

- Respective Circles of selected Zone will be populated in dropdown
- Select Circle from Dropdown

Division

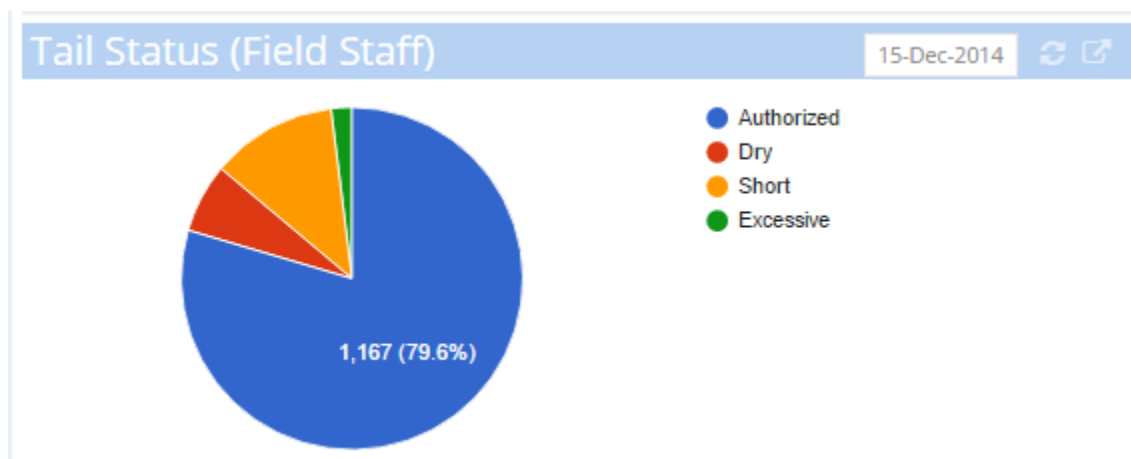
Division

- Respective Divisions of selected Circle will be populated in dropdown
- Select Division from dropdown

Refresh

- Click on button then all charts are refreshed based on the updated criteria and fresh data.

Tail status (Field Staff)

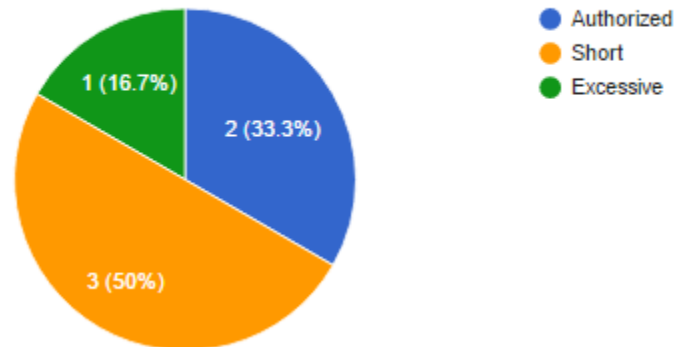




- Select date from date picker (Date control)
- Click on refresh button and Pie Chart is refreshed with data based on the selected date
- Click on button and Tail Status text report is opened
- Click on specific section (color) of the Pie Chart, therelevant report will be opened

Tail Status (PMIU Staff)

Tail Status (PMIU Staff)

07-Apr-2014



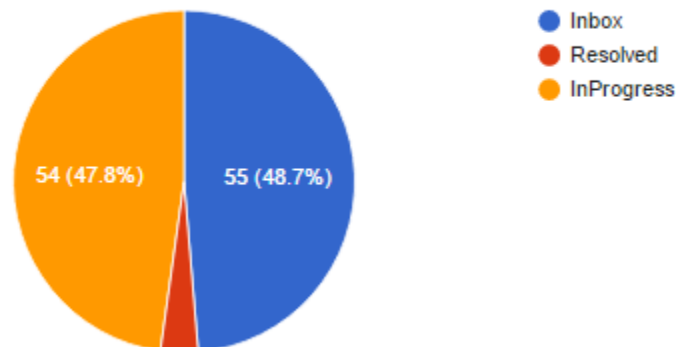
- Select date from date control
- Click on  refresh button and Pie Chart is refreshed with updated data based on the selected date
- Click on  button and Tail Status report is opened
- Click on specific color or the Pie Chart, the relevant report will be opened



Complaints Status

Complaints Status

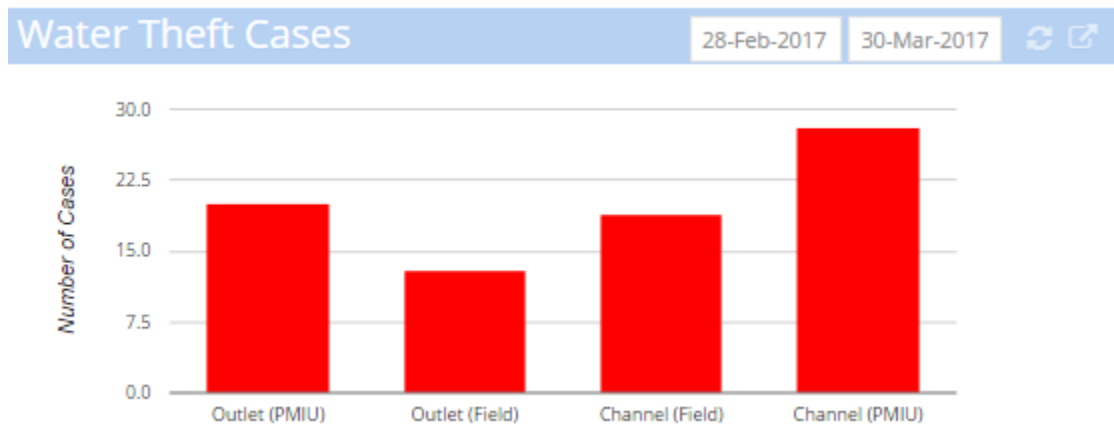
28-Feb-2017



30-Mar-2017



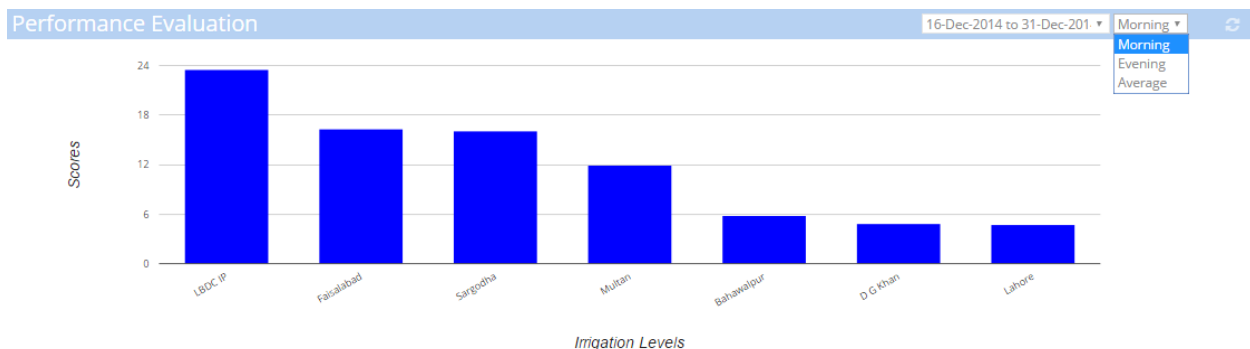
- Select date range from date control
- Click on  refresh button and Pie Chart is refreshed based on the selected date range
- Click on  button and Tail Status text report is opened
- Inbox (New) complaints are shown with blue color
- Resolved Complaints are shown with Red Color
- In Progress Complaints are shown with Yellow color
- Click on desired color of the Pie Chart; relevant report will be opened


Water Theft Cases




- Select date range from date control
- Click on  refresh button and Bar Chart is refreshed based on the selected date range
- Click on  button and Water Theft Text report is opened
- On X-axis outlet and Channels values are shown
- On Y-axis Number of reported cases are shown

Performance Evaluation



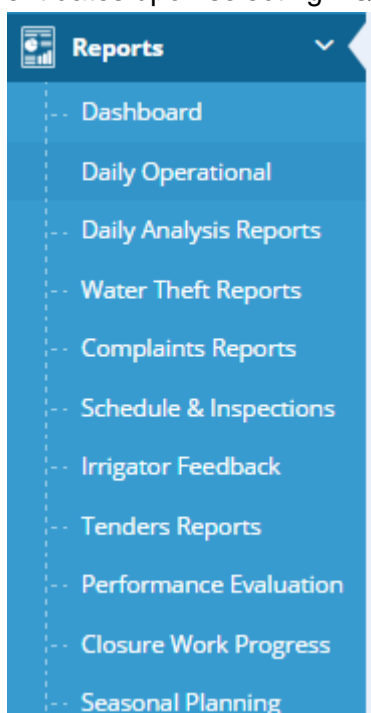
- Select date range from date picker (date control). Date range is fixed on fortnightly basis
- Select Session from session dropdown
- Click on  refresh button and Bar Chart is refreshed by fetching data on the basis of selected fortnight range

- Click on  button and Performance Evaluation textual report is opened
- On X-axis Irrigation Levels such as Zone, Circle, Division, Sub Division and Section are shown
- On Y-axis Obtained Scores by the respective Irrigation Level are shown

1.2 Daily Operational Data Reports

How to Access: Main Menu → Reports → Daily Operational Data Reports

Authorized user can view Daily Operational Data Reports. User can also be able to view stats on different dates upon selecting his/her required date.



Channel Discharge History Report

Daily Operational Data Reports

☒ Channel Discharge History

☐ Closed Channels

☐ Tail Status (Field Staff)

☐ Tail Status (PMIU)

☐ Gauge Reading Comparison

☐ Changes in Gauge Readings

☐ Gauge Status (Field Staff)

☐ Gauge Status Comparison

☐ Indents

Zone: LBDC IP

Circle: LBDC

Division: Balloki

Sub Div: Aktharabad

From: 01-Jan-2017


To: 29-Mar-2017



Channel: All

Gauge: All

Session: Morning

View

- Select Radio button of 'Channel Discharge History'.
- On selection of "Zone", Circles of relevant Zone will be populated in dropdown.
- On selection of "Circles" relevant Divisions will be populated in dropdown.
- On selection of "Divisions" relevant Sub-Divisions will be populated in dropdown.
- User can also be able to view stats on different dates upon selecting his/her required date.
- On selection of "Sub-Divisions" relevant Channels will be populated in dropdown.
- Select Channel from Dropdown
- Select Gauge from Dropdown
- Select Session from Dropdown
- Click on view  button ,
- Following Report will be generated according to Criterion

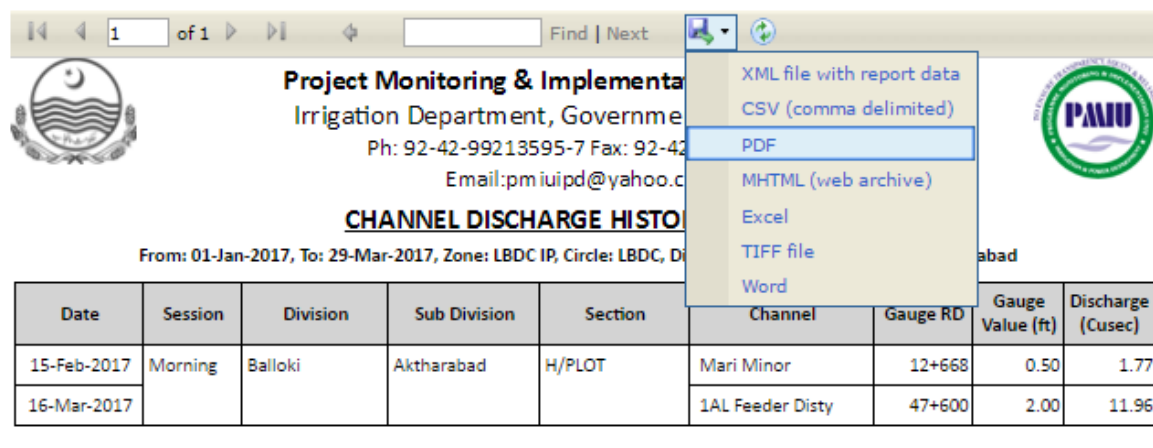
<div>1 of 1 Find Next</div> <div>Project Monitoring & Implementation Unit (PMIU) Irrigation Department, Government of the Punjab Ph: 92-42-99213595-7 Fax: 92-42-99213598 Email:pmiuid@yahoo.com</div> <div></div>								
CHANNEL DISCHARGE HISTORY REPORT								
From: 01-Jan-2017, To: 29-Mar-2017, Zone: LBDC IP, Circle: LBDC, Division: Balloki, Sub-Division: Aktharabad								
Date	Session	Division	Sub Division	Section	Channel	Gauge RD	Gauge Value (ft)	Discharge (Cusec)
15-Feb-2017	Morning	Balloki	Aktharabad	H/PLOT	Mari Minor	12+668	0.50	1.77
16-Mar-2017					1AL Feeder Disty	47+600	2.00	11.96
<div>Report By: Admin User [Chief Irrigation]</div> <div>WRMIS System Generated Report</div> <div>Report Time: 30-Mar-2017 04:21 PM</div> <div>Page 1 of 1</div>								

Report pages will be shown on header

1 of 1

- User can navigate on any desired page upon clicking on First, Previous, Next or Last buttons

Exporting and Printing



Project Monitoring & Implementation Unit (PMIU)
Irrigation Department, Government of the Punjab
Ph: 92-42-99213595-7 Fax: 92-42-99213598
Email:pmiuid@yahoo.com

CHANNEL DISCHARGE HISTORY
From: 01-Jan-2017, To: 29-Mar-2017, Zone: LBDC IP, Circle: LBDC, Division: Balloki, Sub-Division: Aktharabad

Date	Session	Division	Sub Division	Section	Channel	Gauge RD	Gauge Value (ft)	Discharge (Cusec)
15-Feb-2017	Morning	Balloki	Aktharabad	H/PLOT	Mari Minor	12+668	0.50	1.77
16-Mar-2017					1AL Feeder Disty	47+600	2.00	11.96

- Report will print in multiple formats
- Click on Save icon and multiple formats drop list will display available options
- Click on any option from Dropdown list
- Following Report will be downloaded in selected format at desired location



Project Monitoring & Implementation Unit (PMIU)
Irrigation Department, Government of the Punjab
Ph: 92-42-99213595-7 Fax: 92-42-99213598
Email:pmiuid@yahoo.com



CHANNEL DISCHARGE HISTORY REPORT

From: 01-Jan-2017, To: 29-Mar-2017, Zone: LBDC IP, Circle: LBDC, Division: Balloki, Sub-Division: Aktharabad

Date	Session	Division	Sub Division	Section	Channel	Gauge RD	Gauge Value (ft)	Discharge (Cusec)
15-Feb-2017	Morning	Balloki	Aktharabad	H/PLOT	Mari Minor	12+668	0.50	1.77
16-Mar-2017					1AL Feeder Disty	47+600	2.00	11.96

Report footer will be shown as

Report By: Admin User [Chief Irrigation]
WRMIS System Generated Report

Report Time: 30-Mar-2017 04:21 PM
Page 1 of 1

Following reports will be displayed respectively depending upon its business requirements as described in above report's specimen.



1.3 Daily Operational

- Tail Status(Field Staff)
- Tail Status(PMIU)
- Gauge Reading Comparison
- Changes in Gauge Readings
- Gauge Status(Field Staff)
- Gauge Status Comparison
- Indents

1.4 Daily Analysis Reports

- Daily Analysis
- Daily Status Channels
- Comparison of Short and Dry Tails

1.5 Water Theft Reports

- Water Theft Channels
- Water Theft Outlets
- Breach

1.6 Complaint Reports

- Complaint Source
- Complaint Type
- Complaint Status
- Directives
- Structure
- Complaint Details

1.7 Schedule & Inspection

- Gauge Inspection
- Outlet Performance
- Discharge Table Parameters
- Inspection of Outlet Alteration

1.8 Irrigator Feedback



- Irrigator Feedback Report



1.9 Performance Evaluation

- Performance Evaluation Report

1.10 Water Losses

- Water Losses

1.11 Seasonal Planning

- Anti-Water Availability River (Rabi/Kharif)
- Distribution Report Maximum Scenario (Rabi/Kharif)
- Distribution Report Minimum Scenario (Rabi/Kharif)
- Inflow Forecast (Rabi/Kharif)
- Mangla Reservoir Operations (Rabi/Kharif)
- Mangla Dam Rule Curve (Rabi/Kharif)
- Provincial Shares Maximum (Rabi/Kharif)
- Provincial Shares Minimum (Rabi/Kharif)
- Provincial Shares Most Likely (Rabi/Kharif)
- System Operation of Jhelum Chenab Maximum (Rabi/Kharif)
- System Operation of Jhelum Chenab Minimum (Rabi/Kharif)
- System Operation of Jhelum Chenab Most Likely (Rabi/Kharif)
- Tarbela Reservoir Operations (Rabi/Kharif)
- Tarbela Dam Rule Curve (Rabi/Kharif)
- Water Availability Jhelum Chenab (Rabi/Kharif)
- System Operation of Indus with Maximum Inflow Forecast (Rabi/Kharif)
- System Operation of Indus with Minimum Inflow Forecast (Rabi/Kharif)
- System Operation of Indus with Most Likely Inflow Forecast (Rabi/Kharif)