



POWER SUPPLY MONITORING SYSTEM TRAINING MANUAL V1.0

Ibadan Electricity Distribution Company **plc**



STATISTICAL DASHBOARD



INTERRUPTION READING



READING REPORT



IBEDC

TABLE OF CONTENTS

1.	Introduction	2
2.	Dashboard.....	3
3.	New Reading.....	4
4.	Hours of Interruption	6
5.	Interruption	7
6.	Energy Management.....	8

Introduction

Today, technology is evolving at an increasingly fast pace. As a business owner, it is important to keep up with technological advances to remain profitable and efficient. IBEDC as an organization is adopting technology to improve efficiency in its internal operations and processes.

A power supply management System (also called “PSMS”) is a robust application designed to help plan, monitor, and for energy management. The application is designed to enable employees to carry out their daily operations like Interruption reading, Hours of interruption, reading reports, and energy management amongst other functions.

Psms Manager will help IBEDC as a business to :

1. Increase the reliability of its operations due to analytics-based capacity planning and KPI monitoring.
2. Improve quality management and regulatory compliance due to standardized operational processes and visibility into operational workflows.
3. Mitigate operational risks due and to improved operations monitoring, availability of tools to raise alerts on operational issues and then collaborate on their resolution.
4. Reduce reporting latency due to automated collation and analysis of operational data.
5. Improve productivity and collaboration of employees involved in field operations due to automated requests and communication tools.

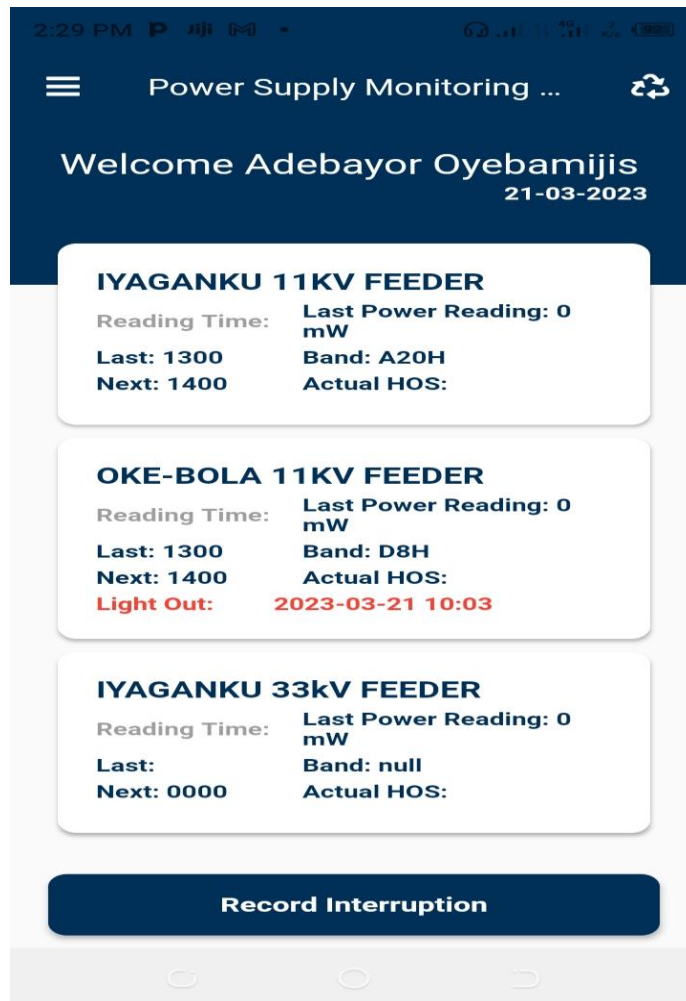
For proper understanding of the PSMS environment, the diagram below shows the PSMS dashboard after login. Each module of the application is detailed on the left-hand side of the dashboard. Navigation within the application is easy and user friendly.

1. DASHBOARD

The dashboard gives the statistical information of all the feeders in a region chosen.

The following steps are to be taken to get a feeder statistical information:

1. On the Menu, Click on **Dashboard**
2. Click on the feeder

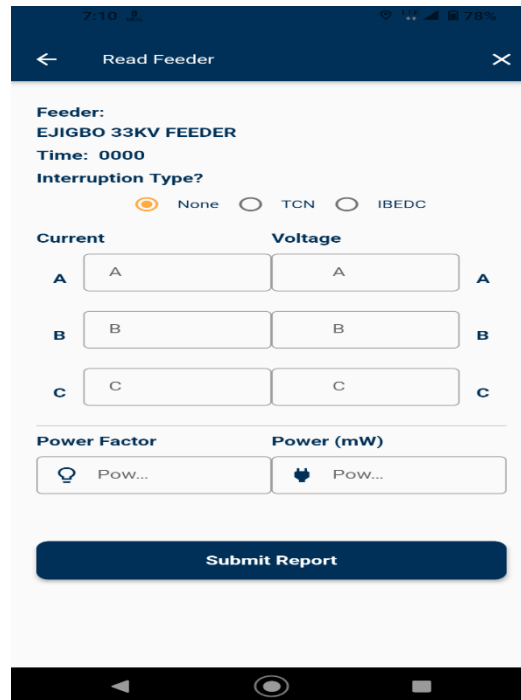


The feeder list is for you to record your hourly reading while the record interruption is for you to record interruption both planned and unplanned.

When you want to record hourly readings for a certain feeder, select that feeder in the list of feeders on your dashboard.

When the feeder information opens, you will see

NEW READING MODULE

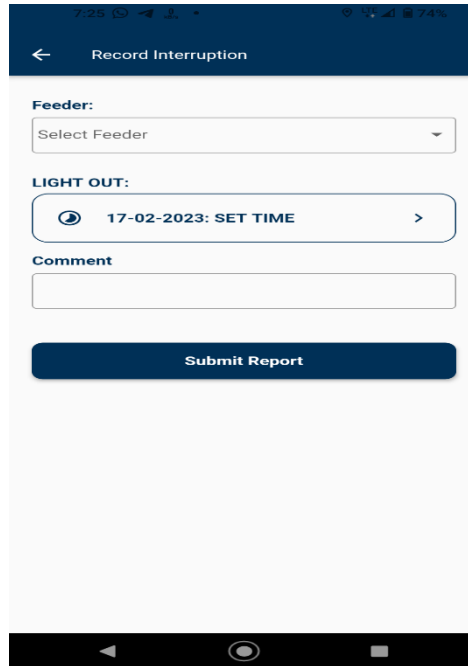


Interruption type: Select if it's None, TCN, or IBEDC

When no interruption on the feeder selects None, if there is, select if the outage is from TCN or IBEDC.

1. Current & Voltage: If the light is available input the current and voltage reading, when light is not available, after selecting the interruption type in bullet 1 above, you will not be able to select the current but you can still input Voltage.
2. Power factor: Input your power factor too. Then submit the report.

Record Interruption: You can record interruption any time of the day, when you click on record interruption, the display will be like the image below



The screenshot shows a mobile application interface for recording a power interruption. At the top, there is a dark blue header with a back arrow and the text "Record Interruption". Below this, the form is divided into sections: "Feeder:" with a dropdown menu labeled "Select Feeder"; "LIGHT OUT:" with a button showing a clock icon, the date "17-02-2023: SET TIME", and a right arrow; "Comment" with a text input field; and a "Submit Report" button at the bottom. The status bar at the top shows the time 7:25, signal strength, and 74% battery. The Android navigation bar is visible at the bottom.

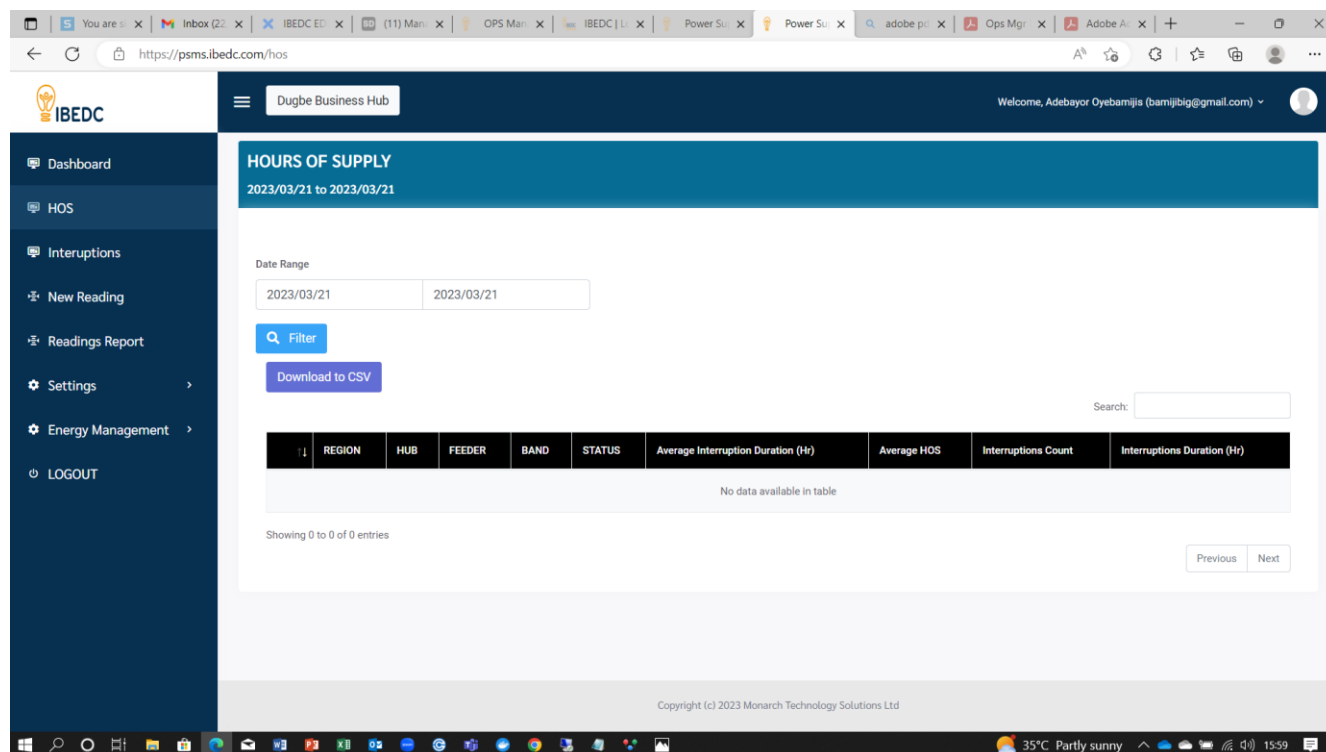
Then select the feeder type, input the time the light out occurred, and when the light is restored input the time the light is restored.

On the web:

The report of the record of Interruption sent-, is available to view, export, and action upon by relevant parties.

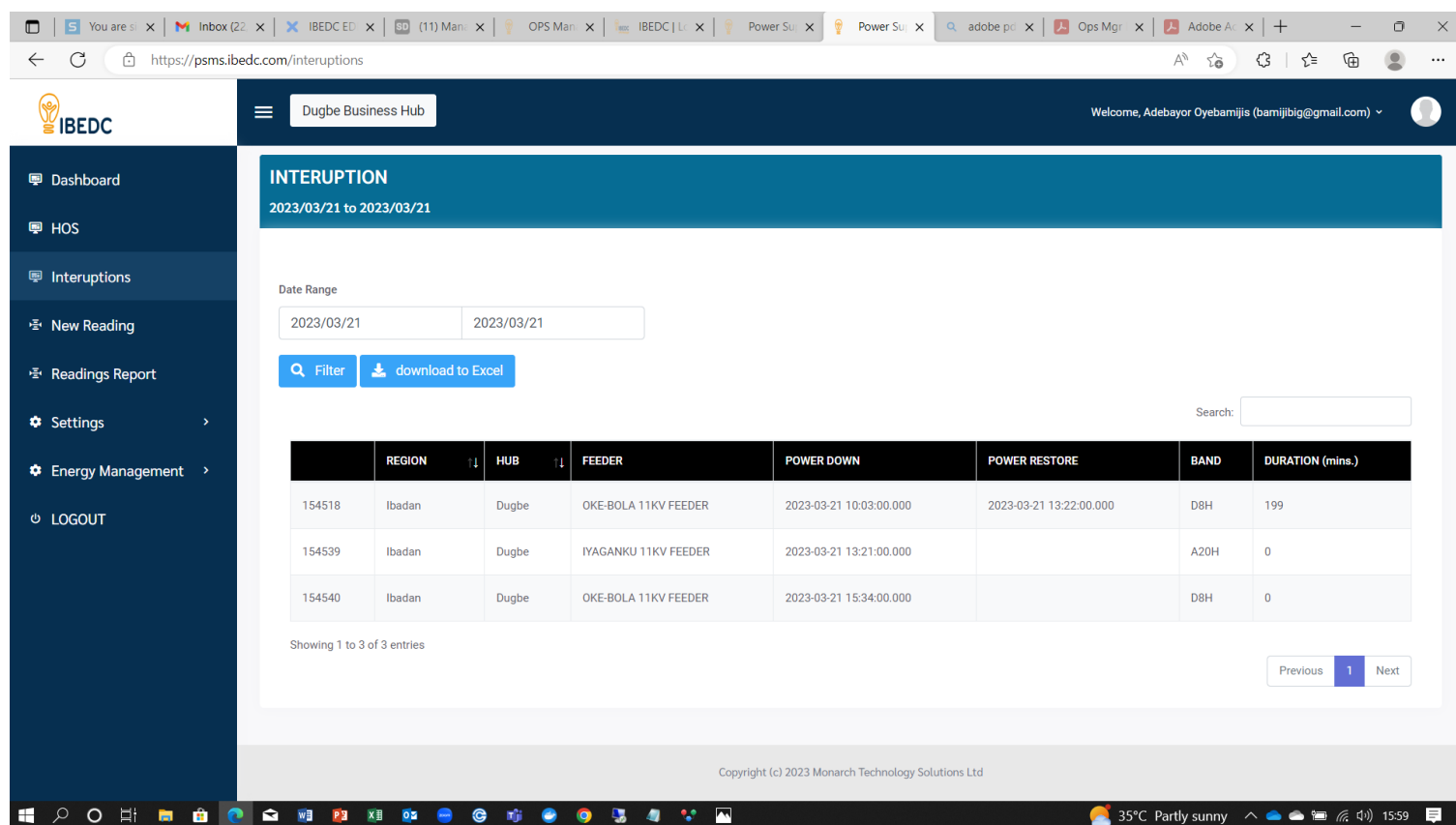
Under the Action column, the view button is there to view the full details of a particular request.

HOS MODULES



The HOS module shows the information of each feeder: It shows the region and business hub where the feeders belongs to, it also shows information of Average hours of supply and the duration at which the interruption occurs.

INTERRUPTION MODULE



IBEDC

Dugbe Business Hub

Welcome, Adebayor Oyebamijis (bamijibig@gmail.com)

INTERRUPTION

2023/03/21 to 2023/03/21

Date Range: 2023/03/21 to 2023/03/21

[Filter](#) [download to Excel](#)

Search:

	REGION	HUB	FEEDER	POWER DOWN	POWER RESTORE	BAND	DURATION (mins.)
154518	Ibadan	Dugbe	OKE-BOLA 11KV FEEDER	2023-03-21 10:03:00.000	2023-03-21 13:22:00.000	D8H	199
154539	Ibadan	Dugbe	IYAGANKU 11KV FEEDER	2023-03-21 13:21:00.000		A20H	0
154540	Ibadan	Dugbe	OKE-BOLA 11KV FEEDER	2023-03-21 15:34:00.000		D8H	0

Showing 1 to 3 of 3 entries

Previous **1** Next

Copyright (c) 2023 Monarch Technology Solutions Ltd

The Interruption modules give a report of the feeders with their respective bands and the time at which it is not energized(Interruption) and the time it is restored(power restored), the calculation of the duration in minutes is gotten from the differences in hours of interruption(power down) and when it is energized (power restored).

Energy Management Module

https://psms.ibedc.com/feeders

Dugbe Business Hub

Welcome, Adebayor Oyebamijis (bamijibig@gmail.com)

Filter Export to Excel

Download to CSV

Search:

ID	Feeder Name	Feeder 33	ISS	Region	Hub	Feeder Type	Category	Premium	Min. Voltage	Max. Voltage	Min. Current	Max. Current	Min. Power Factor	Max. Power Factor
53	IYAGANKU 11KV FEEDER	IYAGANKU	IYAGANKU	Ibadan	Dugbe	11KV	MYTO	NO	9	12.5	111.9220324	390	0.6	1
54	OKE-BOLA 11KV FEEDER	IYAGANKU	IYAGANKU	Ibadan	Dugbe	11KV	MYTO	NO	9	12.5	111.2009579	336	0.6	1
339	IYAGANKU 33kv FEEDER		IYAGANKU	Ibadan	Dugbe	33KV	IBEDC	NO						

Showing 1 to 3 of 3 entries

Previous 1 Next

Enable Bulk Disable







https://psms.ibedc.com/feeders

Dugbe Business Hub

Welcome, Adebayor Oyebamijis (bamijibig@gmail.com)

Filter Export to Excel

Search:

Feeder Type	Category	Premium	Min. Voltage	Max. Voltage	Min. Current	Max. Current	Min. Power Factor	Max. Power Factor	Status	Min. Power	Max. Power	Meter Number	Band	Action
11KV	MYTO	NO	9	12.5	111.9220324	390	0.6	1	Active	1.865367207	6.5	200600186214	A20H	 
11KV	MYTO	NO	9	12.5	111.2009579	336	0.6	1	Active	1.853349298	5.6	200600186212	D8H	 
33KV	IBEDC	NO							Active			200600186419		 

Previous 1 Next

The energy management modules give detailed reports on feeders, information such as feeder type, category, minimum voltage and current, maximum voltage and current, minimum and maximum power factor, meter number, and bands.