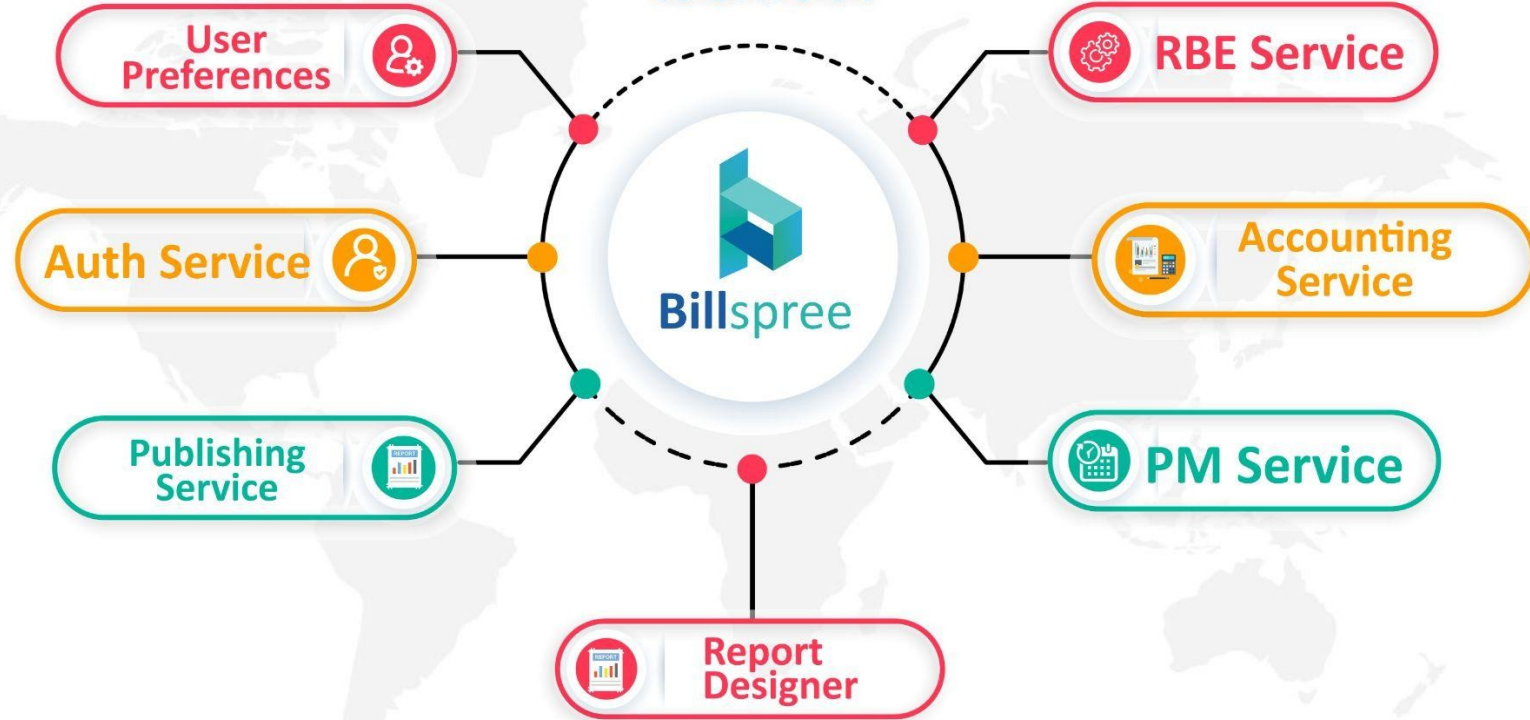
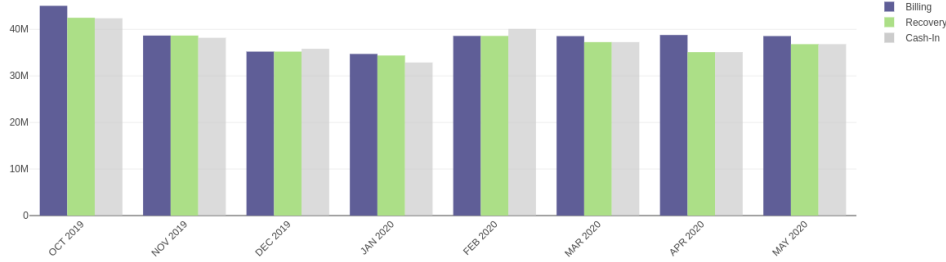




techfoot



Monthly Billing Payments Trends



# Billspreen

Title Type Description Balance Status		Electricity Charges receivable test conn 5504.6 ACTIVE									
Transaction Date	Posting Date	Description	Transaction Number	dr	cr	Reference type	Reference ID	Balance			
01/09/2019	04/04/2021	OPENING BALANCE	6			OPENING BALANCE	0	0			
				0		Invoice	2052	22494			
01/10/2019	04/04/2021	BILLING	2002			Invoice	22494	16663.5			
26/10/2019	4/04/2021	SETTLEMENT	2030		16663.5	Invoice	4099	0			
01/11/2019	04/04/2021	BILLING	2031			Invoice	16663.5	0			
27/11/2019	4/04/2021	SETTLEMENT	2060		14776	Invoice	6146	14776			
01/12/2019	04/04/2021	BILLING	2061								

**LAKE CITY**  
LAKE CITY

A/C Title: Lake City Management (Pvt) Ltd.  
Allied Bank A/C No: 0010035550910016 Branch Code: 0062  
Faysal Bank A/C No: 3127301900234171 Branch Code: 3127

**Customer Services**  
0300-4449696, 0317-4215194  
For Billing: 111-000-096 Ext 157  
**Security Emergency**  
0300-2000777, 0423-5325555  
(9:00 AM to 6:00 PM Except Sundays)  
www.lakcity.com.pk  
QALSA@lakcity.com.pk

Customer: Alan

Address: Clopetra, 501, 504g, Lahore

Back up Generation Bill

Connection Date: 09/01/2019 Meter Status: Active

Ref. No	Meter No.	Meter Type	Reading Date	Prev. Reading	Pres. Reading	Units
501	501	Single Phase	10/01/2019	416	1057	641

Charges	Electricity Charges	G1 Street Light	G1 Garbage	G1 Maintenance	G1 Water	G1 PTV
22114.5	0	0	0	0	0	35

Month	Units	Bill Amount	Payment

Digital Meter Display

**Current Bill**

Arrears: 24797.5

Total within Due Date: 24797.5

Late Payment Sur.: 2479.75

Total After Due Date: 27277.25

# Functional Overview

# Billing is tedious and here's how

## 1. MDM (Meter Data Management)

- a. Meter readings (many will turn out to be empty)
- b. Meter states (many meters turn out to be faulty)
- c. Units estimations and adjustments (we must do something about faulty meter readings)

## 2. Bill processing

- a. How do we update our billing rules if we have to?
- b. How do we create a new tariff that may have to use the same tax laws as some other tariff?
- c. What about the components that have no rules?
- d. What about components that may have to use unmetered usage of something like days?
- e. How do we keep track of our arrears?
- f. How do we settle our payments as per needed payment priorities?
- g. How do we publish bills as per our wished designs?

## 3. Historical Data

- a. How can we keep all our precious data generated through billing in a structured form?
- b. How can we extract information from this data to better understand our future?

# How can we help you in Billing?

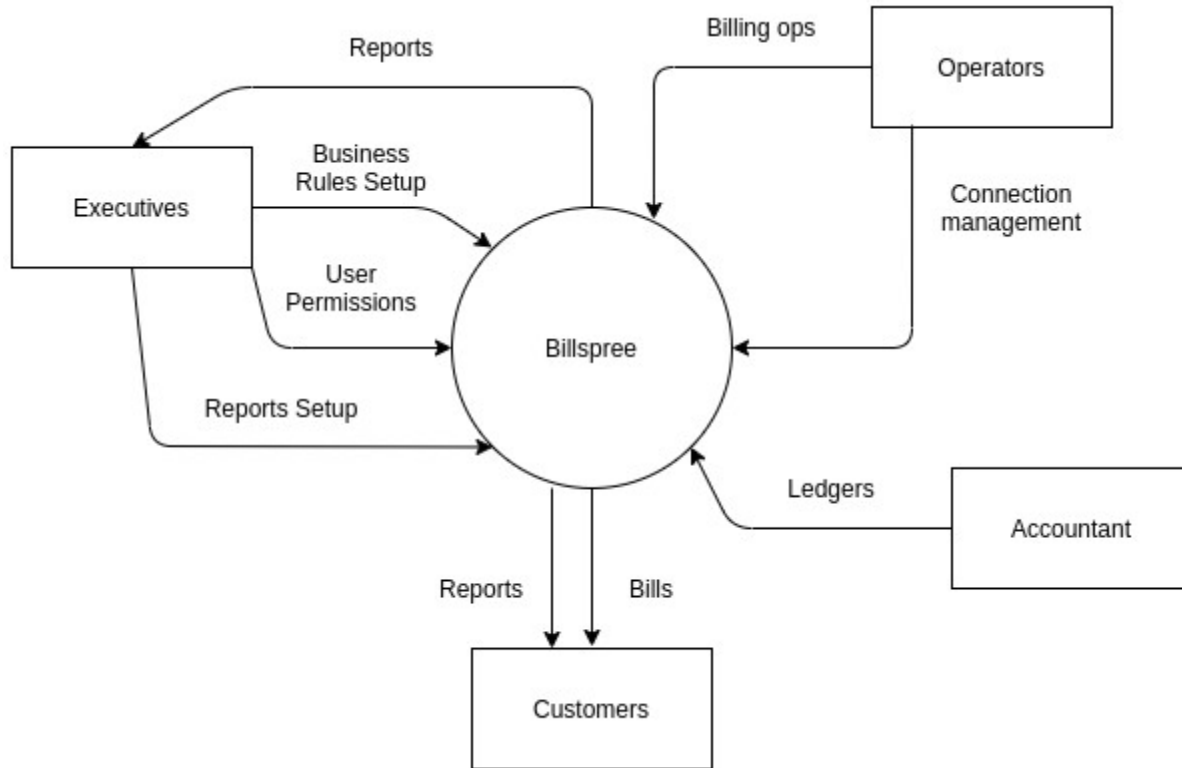
1. Help you structure and define your billing business
  - a. Service management
  - b. Tariff management
  - c. Connection management
  - d. Chart of accounts
2. Help you use this defined structure and rules in operations
  - a. MDM
  - b. Bill processing
  - c. Billing data adjustments
  - d. Bill posting
  - e. Accounting adjustments
  - f. Ledger generations
  - g. Bills publishing
3. Help you extract information from your data
  - a. Billing and payment trends, cash-flow trends, aging receivables, defaulters

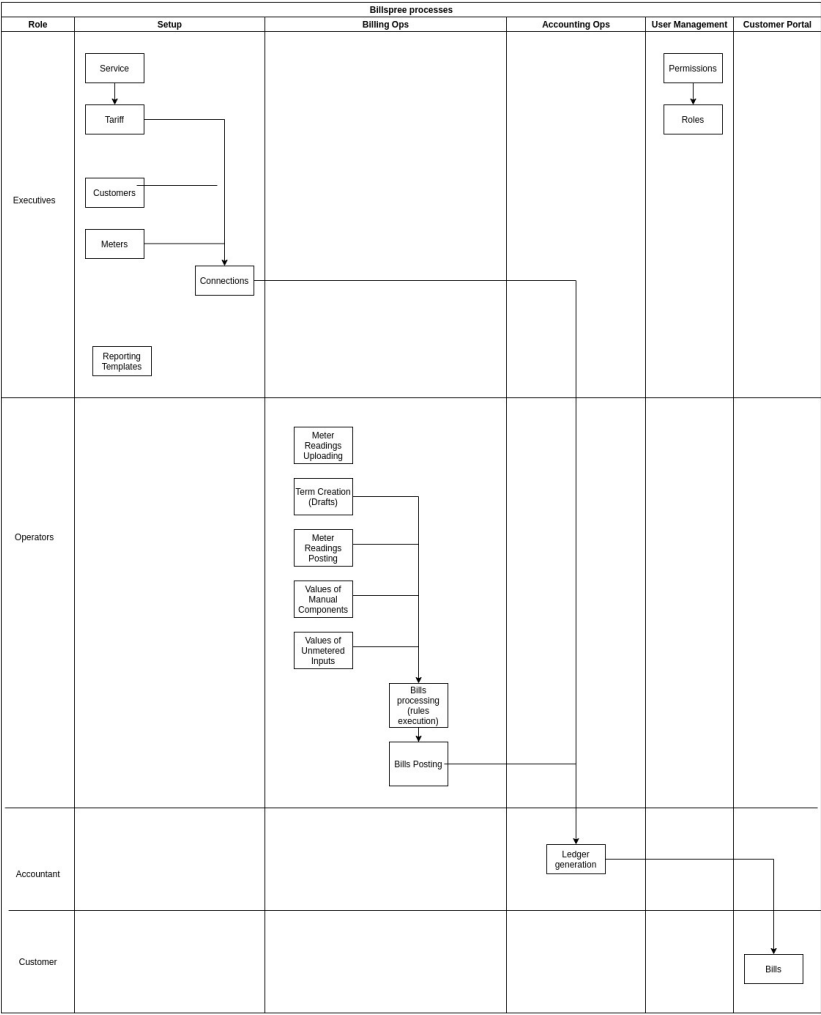
# How do we do all this?

Billsprees is the manifestation of our solution to help you with all your billing problems. It is an application that can be broken down into following modules:

1. Reporting
2. Setup (Business rules definition and data migration)
3. Billing operations
4. User management
5. Processes scheduling
6. Accounting
7. Customer Portal

# BillSpree Context Diagram



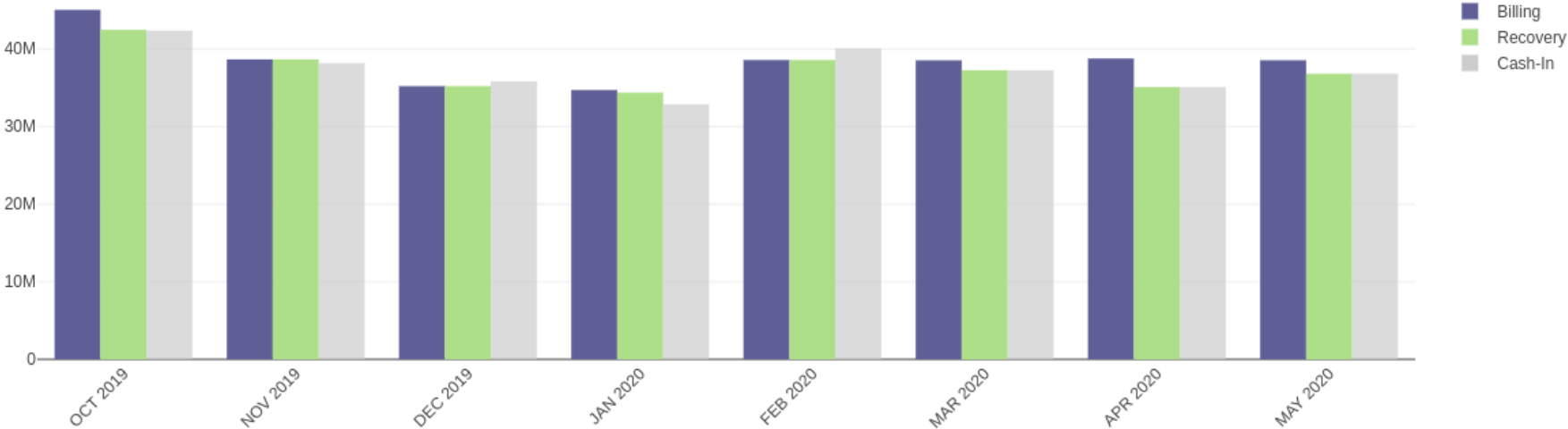


# 1 - Reporting

- Dashboard (Broad, detailed, CSV exports)
  - Billing-Payment Trends
  - Aging receivables
  - Cash flow
  - Defaulters
- Report Designer
  - MCO
  - RCO
  - DCO
  - Monthly new connections
  - Meter Readings
- Query Filters
  - Rows, Columns, Logical, etc.

# 1 - Reporting : Dashboard

Monthly Billing Payments Trends

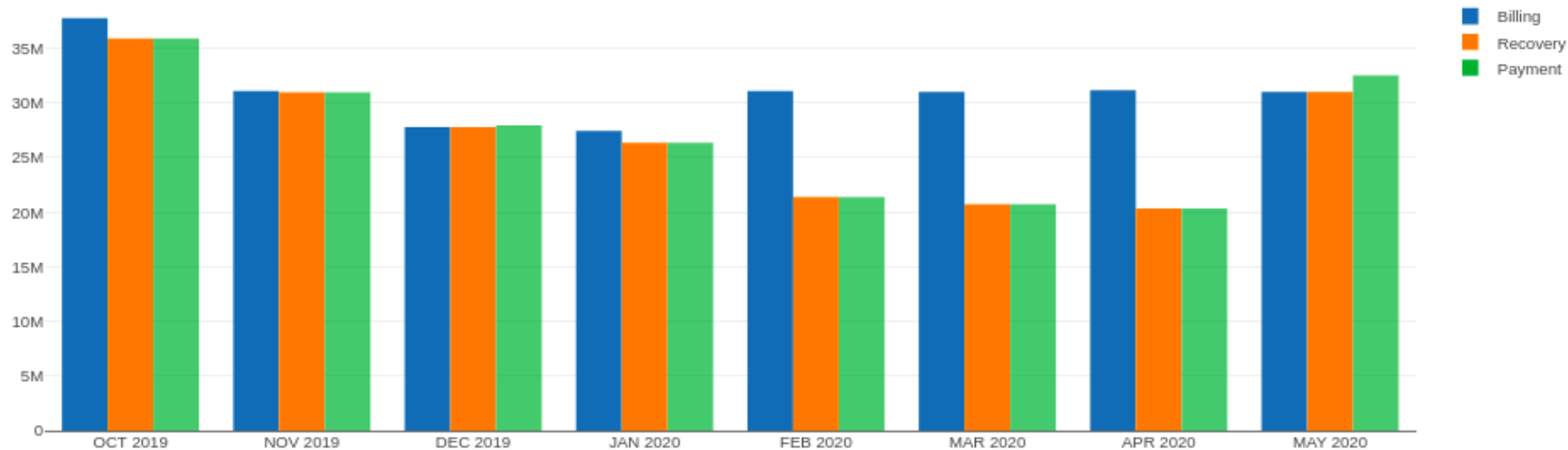


# 1 - Reporting : Dashboard

Electricity Charges



Electricity Charges

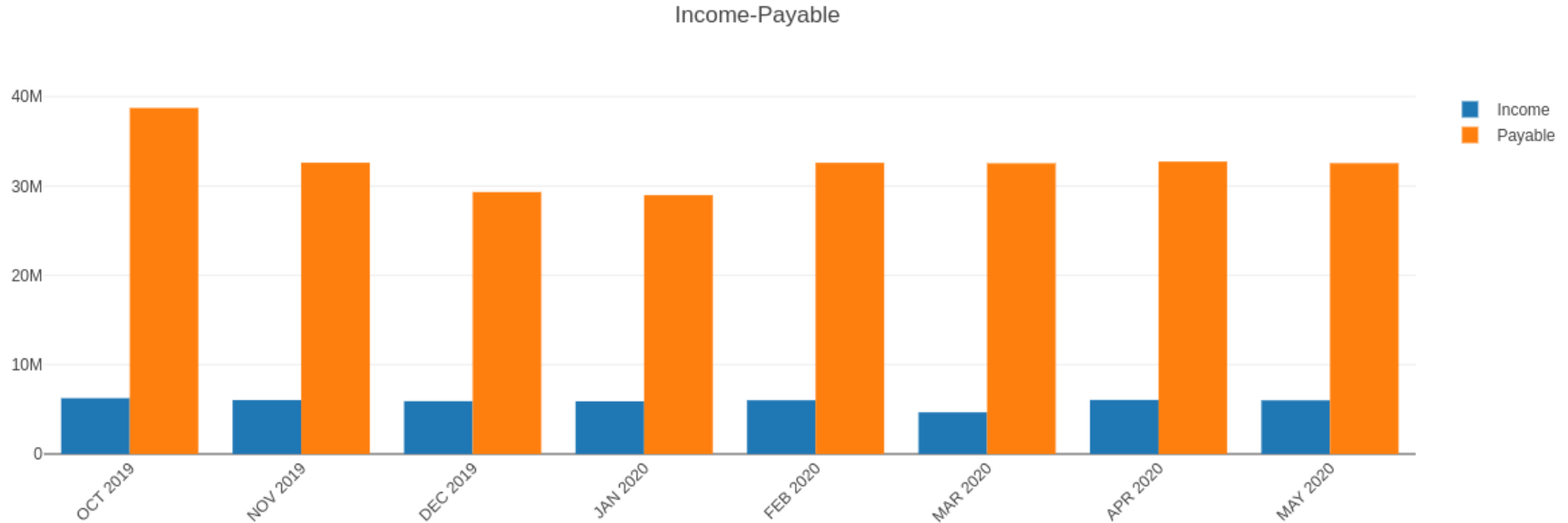


# 1 - Reporting : Dashboard (Exports)

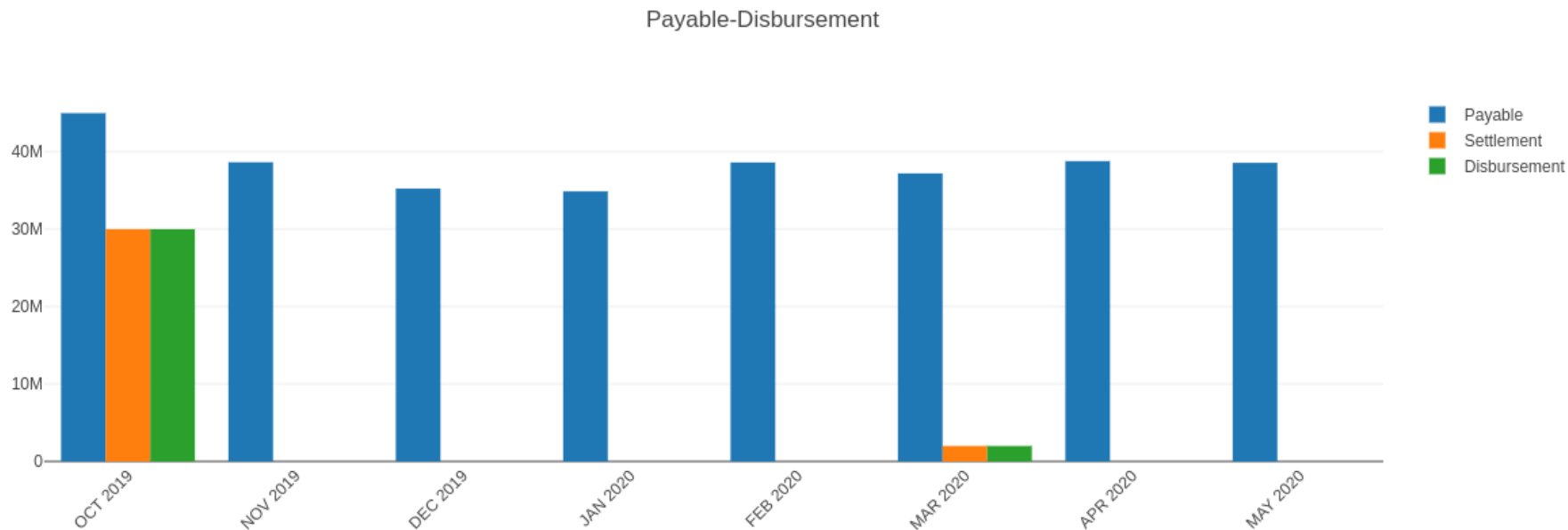
File Edit View Insert Format Styles Sheet					
Liberation Sa 10 B I U					
A1 fx Σ = Date					
	A	B	C	D	
1	Date	Billing	Recovery	Payment	
2	OCT 2019	653450	633450	633450	
3	NOV 2019	1E+06	1174500	1174500	
4	DEC 2019	1E+06	1197500	1197500	
5	JAN 2020	1E+06	1153500.021	1153500.021	
6	FEB 2020	1E+06	803429.649	803429.649	
7	MAR 2020	1E+06	1064912.509	1064912.509	
8	APR 2020	1E+06	1160587.495	1160587.495	
9	MAY 2020	1E+06	1212500	1776070.331	
10					
11					

File Edit View Insert Format Styles Sheet Data Tools Wind						
Liberation Sa 10 B I U A [Color] [Font Color]						
A1 fx Σ = Date						
	A	B	C	D	E	
1	Date	Account Balance	Cash-In	Cash-Out	Net Cash	
2	OCT 2019	12360899.03	42360899.03	-30000000	12360899.03	
3	NOV 2019	50536807.515	38175908.485	0	38175908.485	
4	DEC 2019	86348187.395	35811379.88	0	35811379.88	
5	JAN 2020	119217566.477	32869379.082	0	32869379.082	
6	FEB 2020	145376265.207	26158698.73	0	26158698.73	
7	MAR 2020	167293539.807	23917274.6	-2000000	21917274.6	
8	APR 2020	190378123.249	23084583.442	0	23084583.442	
9	MAY 2020	227187224.805	36809101.556	0	36809101.556	
10						

# 1 - Reporting : Dashboard

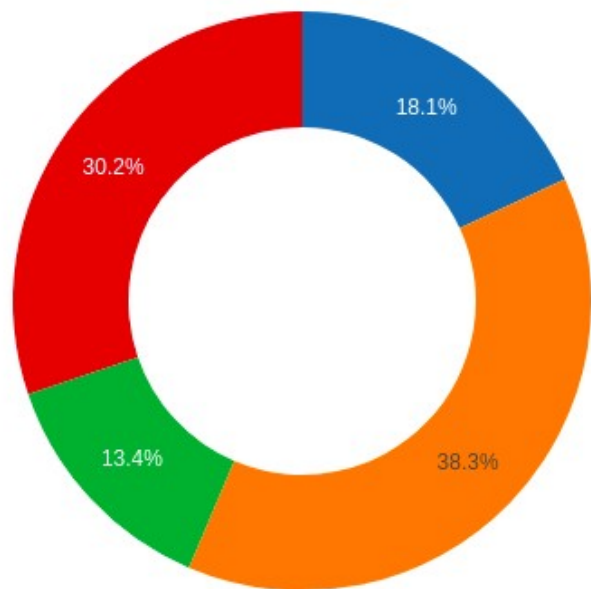


# 1 - Reporting : Dashboard



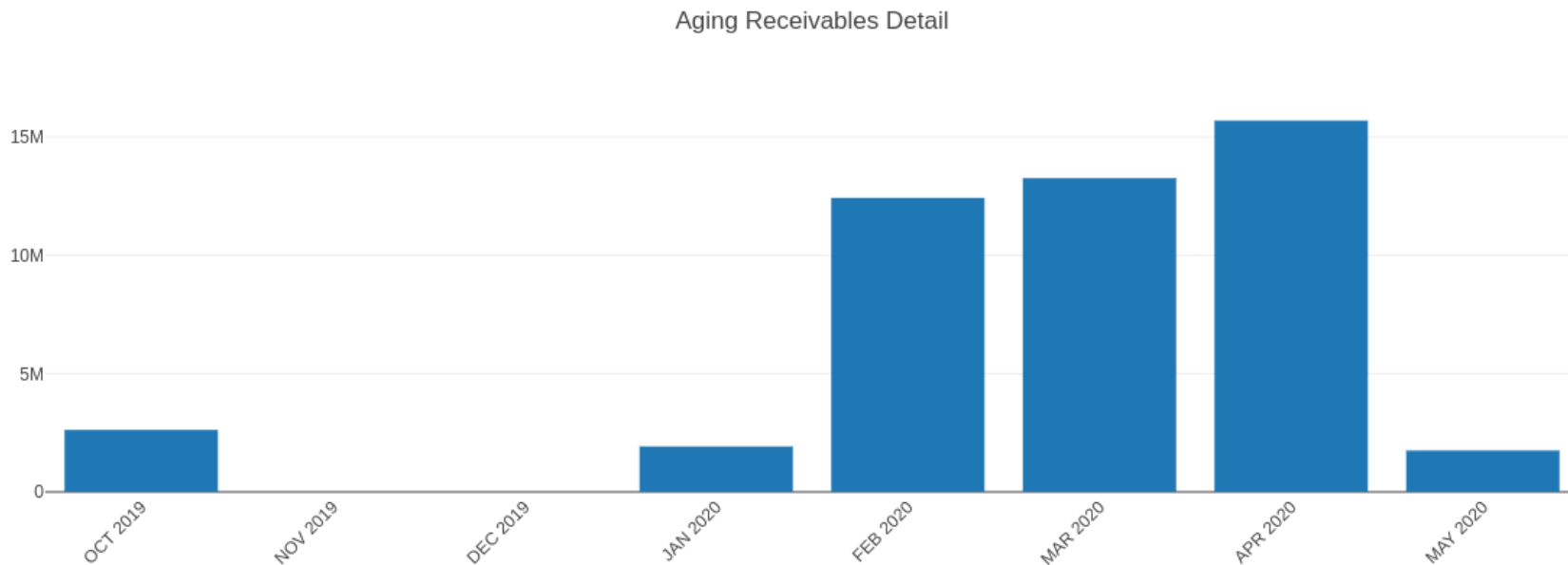
# 1 - Reporting : Dashboard

Aged Receivables



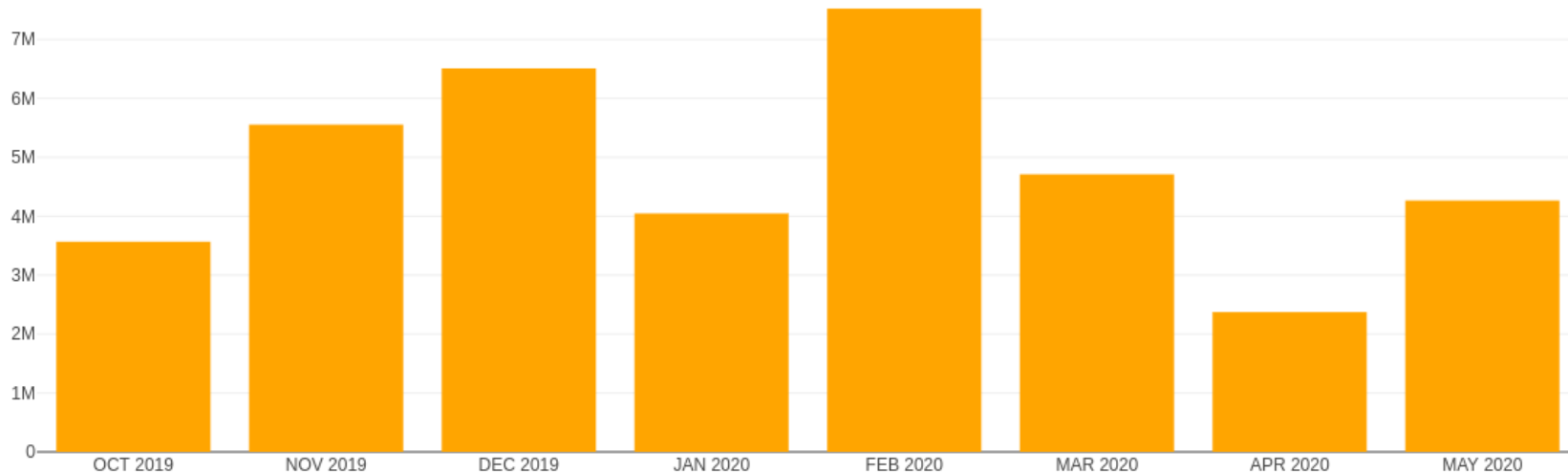
00 - 30 days	1740304.04
30 - 60 days	3680496.80
60 - 90 days	1284725.72
Over 90 days	2904771.90

# 1 - Reporting : Dashboard



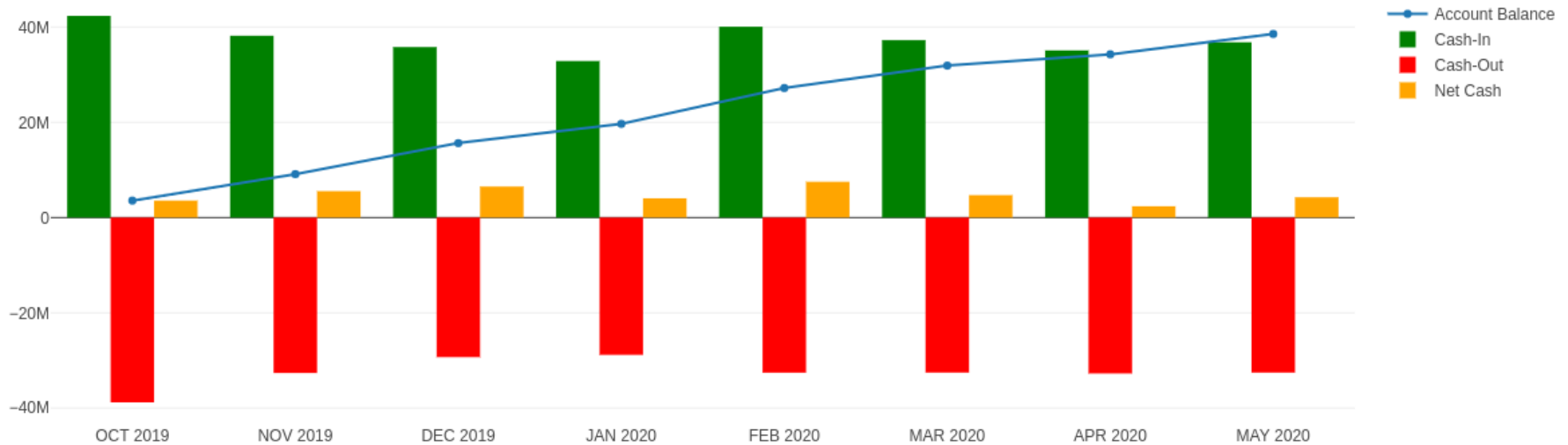
# 1 - Reporting : Dashboard

Cash Flow

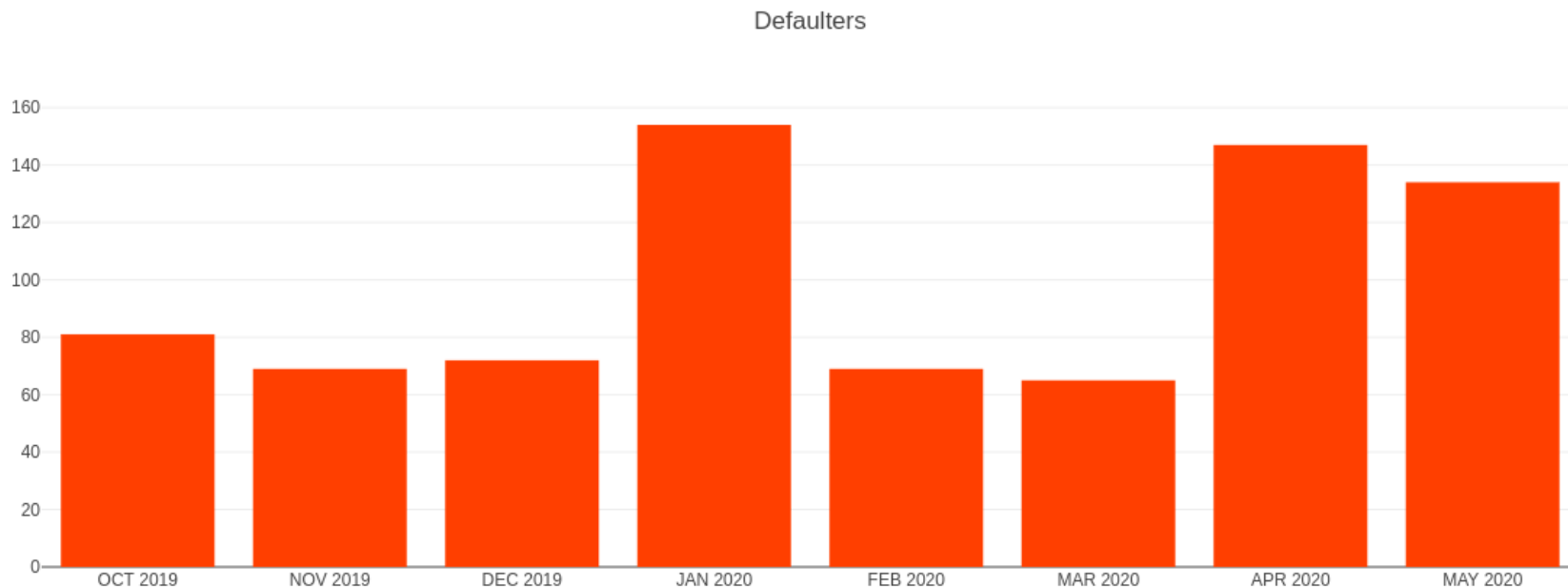


# 1 - Reporting : Dashboard

Cash Flow



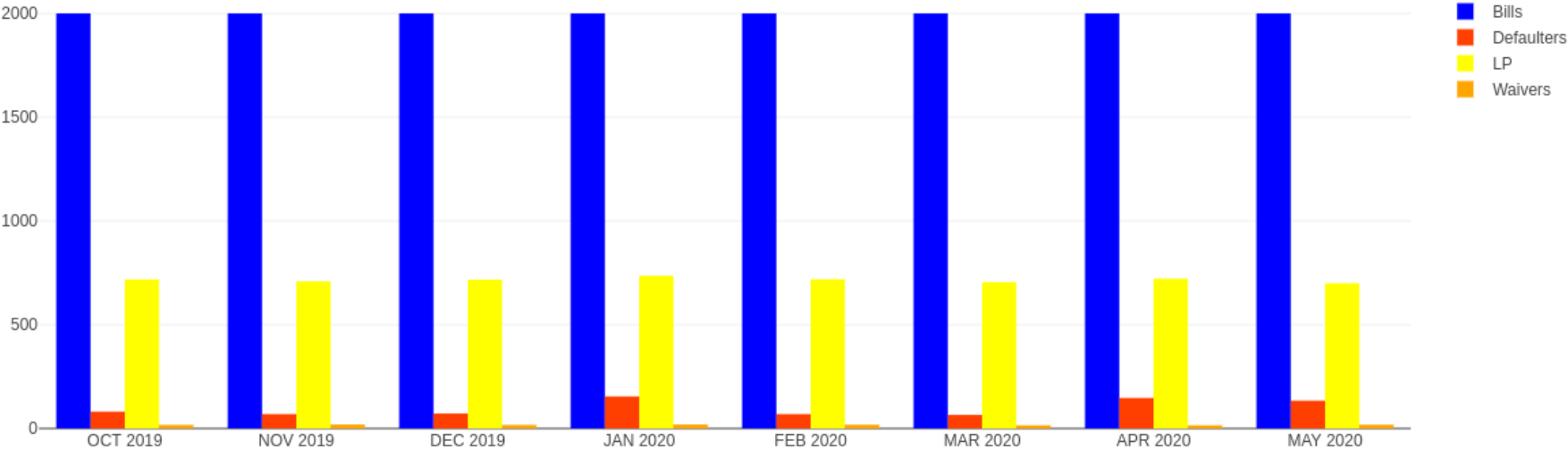
# 1 - Reporting : Dashboard



1 - Reporting : Dashboard

: Dashboard

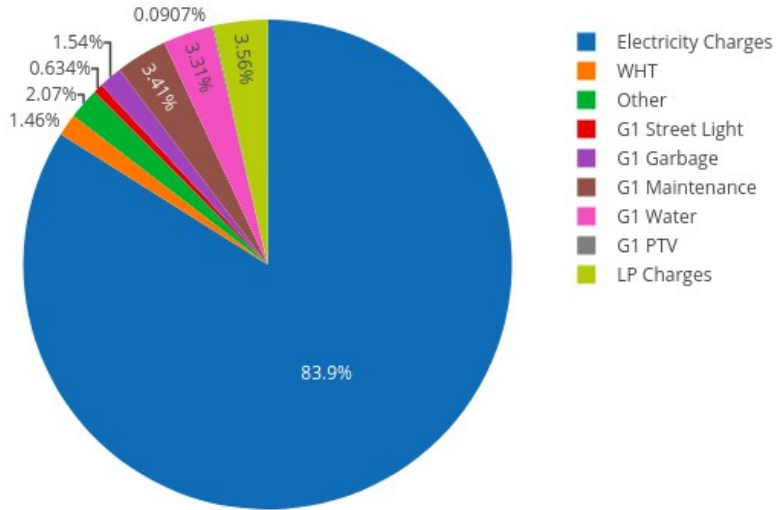
Billing



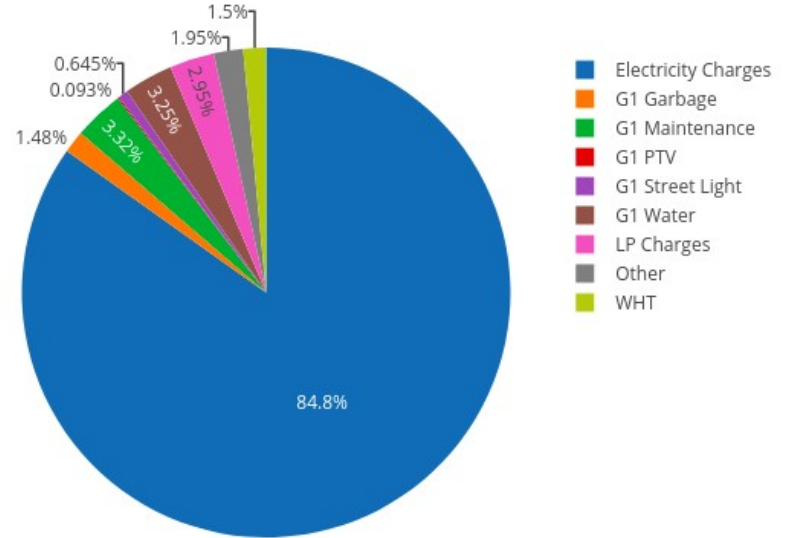
# 1 - Reporting : Dashboard

OCT 2019

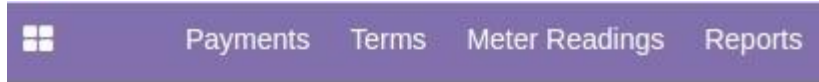
Components Monthly Billing



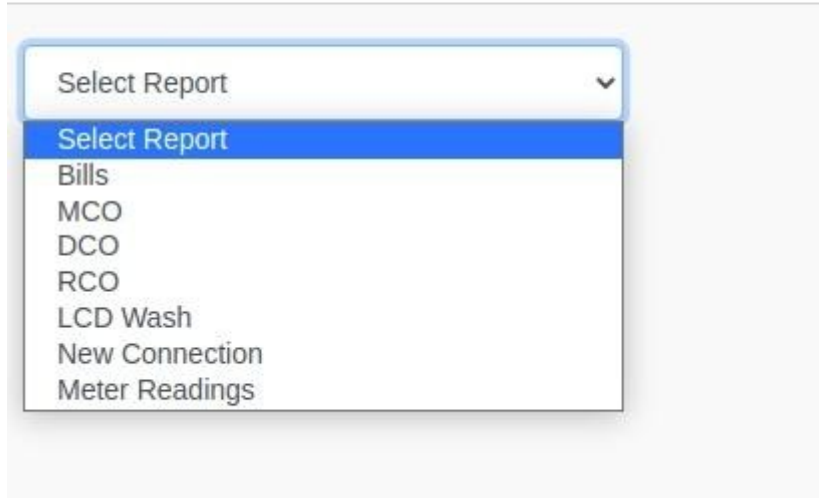
Components Monthly Payments



# 1 - Reporting : Report Designer



Operations | Published Docs




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Customer : {partyName}		Address : {buildingName}, {buildingNo}, {street}, {city}		Connection Date : {connDate}	Meter Status : {meter1Status}
Ref. No	Tariff	Bill Month	Issue Date	Due Date	
{connectionNumber}	{tariffCode}	{month}	{issueDate}	{dueDate}	
Meter No.	Meter Type	Reading Date	Prev. Reading	Units	
{meter1No}	{meter1Type}	{readingDate}	{KWH_previousReading}	{KWH_currentReading}	
Power Comps	Electricity Charges	{WHT}			
Charges	{Electricity Charges}	{WHT}			
Group1 Comps	G1 Street Light	G1 Garbage	G1 Maintenance	G1 Water	G1 RTV
Charges	{G1 Street Light}	{G1 Garbage}	{G1 Maintenance}	{G1 Water}	{G1 RTV}
Misc.	Misc.				
Charges	{Other}				
Bill History			{%img1}		
Month	Units	Bill Amount	Payment		
{#billHistory/billMonth}	{KWH}	{Payable Within Due Date}	{#paid} {amountPaid}/paid {#paid}/paid {#paid}/paid		
Current Bill			{Current Bill}		
Arrears			{arrears}		
Total within Due Date			{Payable within Due Date}		

1,341 characters Default Style English (USA) I [ ]

# 1 - Reporting : Report Designer

	<b>TechFoot</b> <b>Display Wash Report for April term</b>					
S No	Ref No	Address	Meter No	Comments	Avg Units	Picture
1	90041	Okara-abc-A-80041	80199	lcd_wash	50	
2	90042	Okara-abc-A-80042	80199	lcd_wash	50	
3	90043	Okara-abc-A-80043	80199	lcd_wash	50	
4	90044	Okara-abc-A-80044	80199	lcd_wash	50	
5	90045	Okara-abc-A-80045	80199	lcd_wash	50	
6	90046	Okara-abc-A-80046	80046	lcd_wash	0	
7	90047	Okara-abc-A-80047	80047	lcd_wash	0	
8	90048	Okara-abc-A-80048	80048	lcd_wash	0	
9	90049	Okara-abc-A-80049	80049	lcd_wash	0	

	<b>TechFoot</b> <b>MCO Report For Month April term</b>					
Ref No	Location	Electricity New Meter	Electricity Old Meter	KWH Current Reading	KWH Previous Reading	MCO Date
90041	A,abc, 1, abc	80201	80041	50	0	03/21/2021
90042	A,abc, 1, abc	80202	80042	50	0	03/21/2021
90043	A,abc, 1, abc	80203	80043	50	0	03/21/2021
90044	A,abc, 1, abc	80204	80044	50	0	03/21/2021
90045	A,abc, 1, abc	80205	80045	50	0	03/21/2021
In-charge IT		Electric Incharge		CFO		GM

# 1 - Reporting : Query Filters

Records containing

Columns Rows Group By Having

- ☐ Bill Number
- ☐ Term Number
- ☐ Term
- ☐ Batch Code
- ☐ Conn No
- ☐ Tariff Code
- ☐ Status
- ☐ Party Number
- ☐ Name
- ☐ Arrears
- ☐ Issue Date
- ☐ Due Date
- ☐ Payment Date
- ☐ Payment
- ☐ Late Fee Applied
- ☐ Elec Rate
- ☐ LP Factor
- ☒ Electricity Charges SUM
- ☐ WHT

Records containing

Columns Rows Group By Having

Bill Number	Term Number
78	0
248	0
68	0
240	0
227	0
40	1
267	1

G1 Street Light > 0  
OR Connection Type = 'Residential'

Bracket : None  
Connector : None  
Column : None  
Operator : None

value

Add condition element

Records containing

Columns Rows Group By Having

Bill Number	Term Number	G1 Code
78	0	None
248	1	0
68	1	0
240	1	0

Add group condition

Records containing

Columns Rows Group By Having

Bill Number	Term Number	SUM(Electricity Charges)>2000
78	1	0
248	1	0
68	1	0
240	1	0
227	1	0
40	1	0

Bracket : None  
Connector : None  
Func : None  
Column : None  
Operator : None

value

Add condition element

## 2 - Setup

- Service management
  - Define your product billing components
  - accounts
  - payment priorities
- Billing Rules management
  - Define multiple groups of billing rules for each component
- Publishing Templates
  - Upload templates for bills and reports
- Bulk Data upload
  - Upload your customer
  - Meters (if metered billing)
  - Connections

## 2 - Setup : Service (service or goods)




















Name*	Code*
<input type="text" value="IZMIR Service 103"/>	<input type="text" value="IZM103"/>
Description	Due date offset*
<input type="text" value="This is Izmir service."/>	<input type="text" value="10"/>
	Billing cycle*
	<input type="text" value="monthly"/>

Values Billing Comps\* Connection Inputs Metered Inputs Unmetered Inputs Bank Accounts\* Batches\*

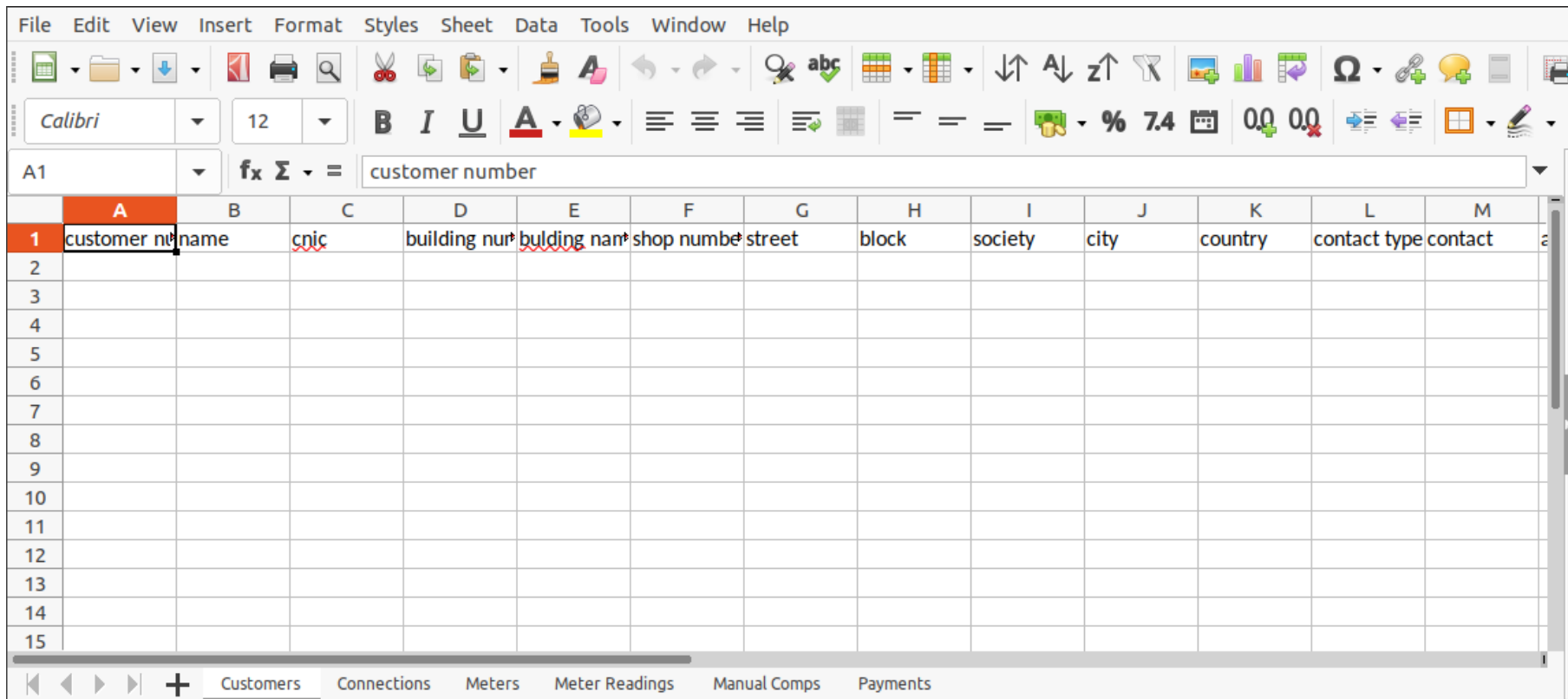
Calc. Order	Name	Account/type	Payment Priority	Late Payment	Type	Actions
1	Electricity Charges	payable ▾	4 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
2	WHT	payable ▾	1 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
3	Other	income ▾	8 ▾	<input type="checkbox"/>	Manual ▾	⊕ ⊗
4	G1 Street Light	payable ▾	3 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
5	G1 Garbage	income ▾	7 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
6	G1 Maintenance	income ▾	6 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
7	G1 Water	income ▾	5 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
8	G1 PTV	payable ▾	2 ▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
9	Current Bill	▾	▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
10	LP Charges	income ▾	9 ▾	<input checked="" type="checkbox"/>	Calculated ▾	⊕ ⊗
11	Payable within Due Date	▾	▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗
12	Payable after Due Date	▾	▾	<input type="checkbox"/>	Calculated ▾	⊕ ⊗

Add billing component

## 2 - Setup : Service accounts

Account Name	Description	Balance
▼  Assets (1)	This is the root Account for all asset Accounts.	47906600
▼  IZMIR Service 103 (24)	Service asset account.	47906600
▶  Accounts Receivable (30)	Service accounts receivable balance.	9355739.965
▶  Current Assets (22)	Service current asset accounts balance.	38550860.035
▶  Suspense Account (20)	Service suspense account.	0
▶  Equity (10)	This is Equity account	0
▶  Expense (7)	This is Expense Account	0
▼  Income (12)	This is the root Account for owner.	47906600
▼  IZMIR Service 103 (26)	Organization income account.	47906600
▶  Other (36)	Organization payable account.	7561298
▶  G1 Garbage (38)	Organization payable account.	5544600
▶  G1 Maintenance (39)	Organization payable account.	12277600
▶  G1 Water (40)	Organization payable account.	11914200
▶  LP Charges (42)	Organization payable account.	10608902
▼  Liabilities (15)	This is the root Account for all components of all services.	0
▼  IZMIR Service 103 (27)	Organization payable account.	0
▶  Electricity Charges (34)	Component libiability account.	0
▶  WHT (35)	Component libiability account.	0
▶  G1 Street Light (37)	Component libiability account.	0

## 2 - Setup : Service (data upload template)



## 2 - Setup : Billing Rules Group (Tariff/package)

Name\*

Izmir Tariff

Code\*

IZMT103

Parent\*

none

Description

This is a test tariff.

☐ Abstract

Values

Electricity Charges

WHT

G1 Street Light

G1 Garbage

G1 Maintenance

G1 Water

G1 PTV

Current Bill

LP Charges

Payable within Due Date

Payable after Due Date

☐ Inherit From Parent

Commercial (Electricity Charges between 4501 to 6000)

if

Electricity Charges

between

4501

to

6000

Parameters

Billing formula

500

Close

Update >>

Residential (Electricity Charges below 75000)

Residential (Electricity Charges 75000 or above)

Commercial (Electricity Charges between 0 to 400)

Commercial (Electricity Charges between 401 to 600)

Commercial (Electricity Charges between 601 to 800)

Commercial (Electricity Charges between 801 to 1000)

Commercial (Electricity Charges between 1001 to 1500)

Commercial (Electricity Charges between 1501 to 3000)


Commercial (Electricity Charges between 3001 to 4500)

Commercial (Electricity Charges between 4501 to 6000)

## 2 - Setup : Report templates (using docx files)

File Edit Styles Table Form Tools Window Help

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Customer : {custName}		Address : {buildingName}, {buildingNo}, {street}, {city}		Connection Date : {connDate}	Meter Status : {meter1Status}
Ref. No {connectionNumber}	Tariff {tariffCode}	Bill Month {month}	Issue Date {issueDate}	Due Date {dueDate}	
Meter No. {meter1No}	Meter Type {meter1Type}	Reading Date {readingDate}	Prev. Reading {KWH_previousReading}	Pres. Reading {KWH_currentReading}	Units {KWH}
Power Comps	Electricity Charges {Electricity Charges}				
Charges	{Electricity Charges}	{WHT}			
Group1 Comp1 G1 Street Light	G1 Garbage	G1 Maintenance	G1 Water	G1 PTV	
Charges	{G1 Street Light}	{G1 Garbage}	{G1 Maintenance}	{G1 Water}	{G1 PTV}
Misc.	Misc.				
Charges	{Other}				
Bill History			{%img1}		
Month {billHistoryMonth}	Units {KWH}	Bill Amount {Payable Within Due Date}	Payment {paid} {amountPaid}/ {notPaid}/ {billHistory}		
مقررہ تاریخ پر بل کی رقم ادا کرنا ضروری ہے۔ اگر کوئی رقم نہیں دیا گیا تو اس کے بعد سے اس کا بل دوبارہ جاری کیا جائے گا۔ (Monday to Friday) Payoral Bank / Allied Bank اگر آپ کو یہ سہولت چاہی ہو تو اس سہولت پر (Deposit Slip) جمع کروانے کے لئے اس سہولت پر رجسٹرڈ ہونا ضروری ہے۔					
			Current Bill	{Current Bill}	
			Arrears	{Arrear}	
			Total within Due Date	{Payable within Due Date}	

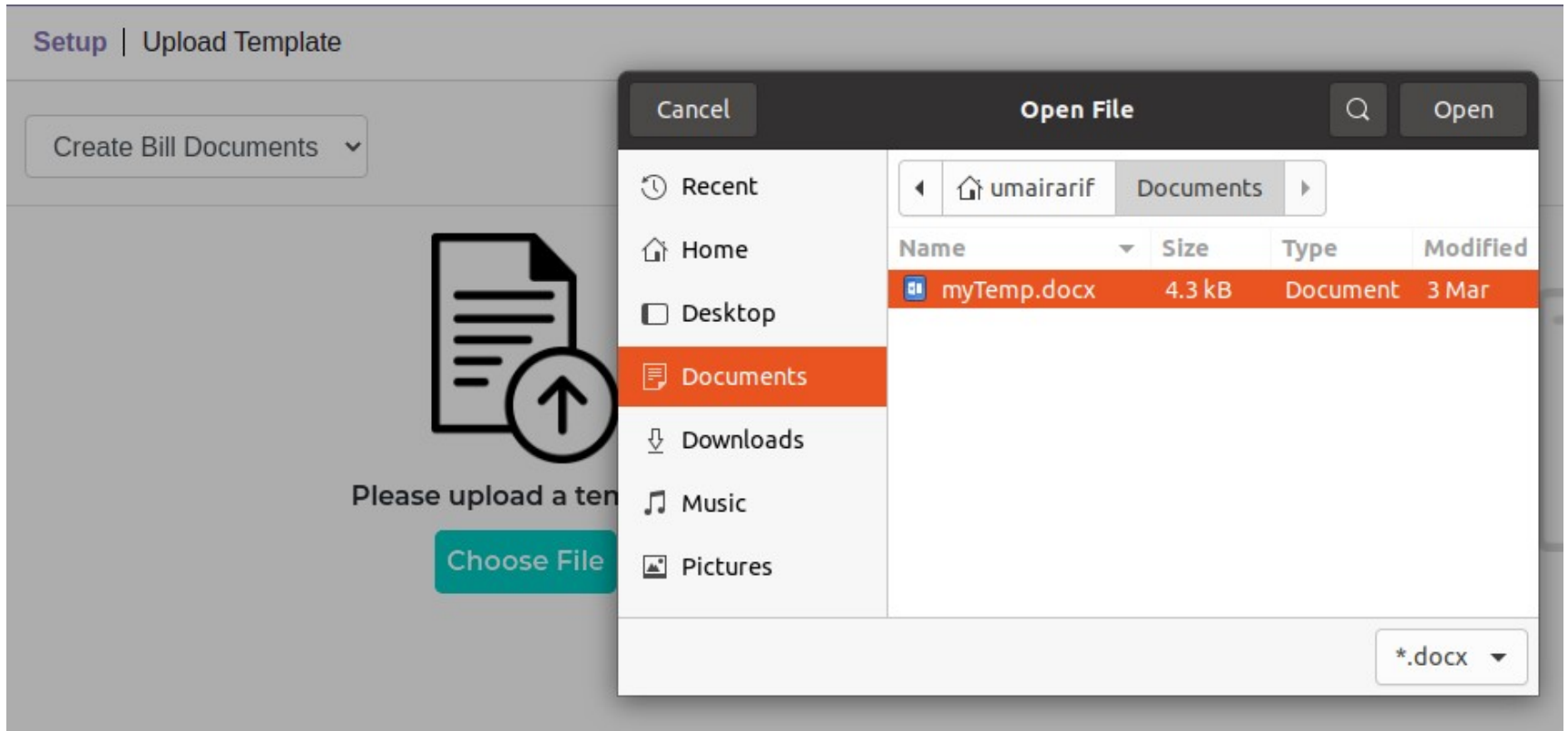
Customer : Alan		Address : Clopetra, 501, 504g, Lahore		Connection Date : 09/01/2019	Meter Status : Active
Ref. No		Tariff	Bill Month	Issue Date	Due Date
501		IZMT103	SEP 2019	10/01/2019	10/10/2019
Meter No.	Meter Type	Reading Date	Prev. Reading	Pres. Reading	Units
501	Single Phase	10/01/2019	416	1057	641
Power Comps	Electricity Charges	WHT			
Charges	22114.5	0			
Group1 Comps	G1 Street Light	G1 Garbage	G1 Maintenance	G1 Water	G1 PTV
Charges	2000	0	0	0	35
Misc.	Misc.				
Charges	648				
Bill History					
Month	Units	Bill Amount	Payment		

ضروری \*دیا گیا

یکم جون تا جمعہ / بدھ تا یکم جون کے روزہ گاہت پاس کیے لئے 24 گھنٹے ہفتہ  
(Monday to Friday) کے روزہ گاہت پاس کیے لئے 24 گھنٹے ہفتہ  
بیکس پر موجود ایکویزیشن نمبر: Faysal Bank / Allied Bank

Current Bill	24797.5
Arrears	0

## 2 - Setup : Report templates (using docx files)



## 2 - Setup : Bulk data uploading : Connections

2K\_connections.csv - LibreOffice Calc

File Edit View Insert Format Styles Sheet Data Tools Window Help

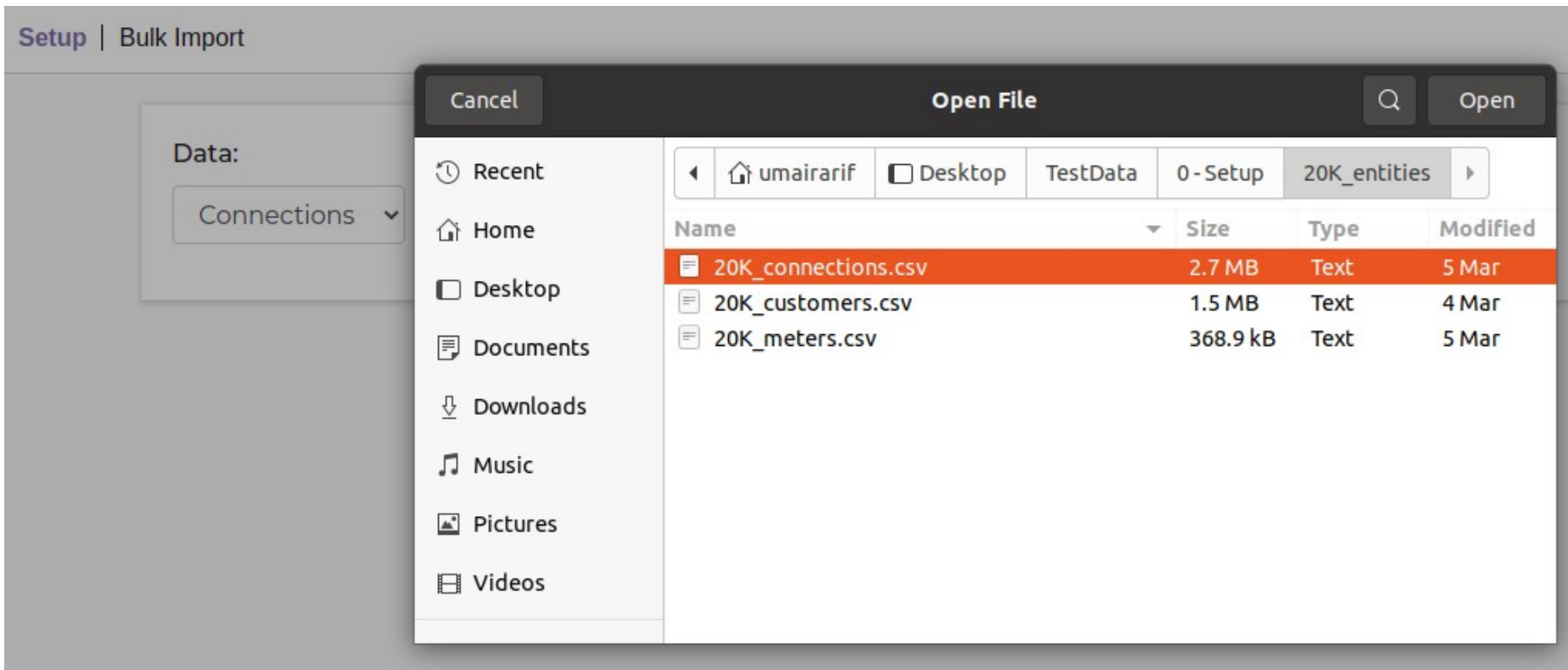
Liberation Sa 10 B I U A % 7.4 00 00

A1 f<sub>x</sub> Σ = connection number

	O	P	Q	R	S	T	U	V	W	X	Y	Z	
1	country	title	additional information	G1 Code	G1 Street Light Applied	G1 Garbage Applied	G1 Maintenance Applied	G1 Water Applied	G1 PTV Applied	Connection Type	KWH Meter	Electricity Charges opening balance	WHT o
2	Pakistan	Mr		74 (office2)	NO	YES	NO	NO	YES	Commercial	Connected		0
3	Pakistan	Mr		4 (8-M)	YES	NO	YES	YES	YES	Residential	Connected		0
4	Pakistan	Mr		41 (1 K temp)	YES	NO	YES	YES	YES	Residential	Connected		0
5	Pakistan	Mr		53 (5 M temp)	NO	YES	YES	NO	YES	Commercial	Connected		0
6	Pakistan	Mr		45 (10 M temp1)	YES	YES	YES	NO	YES	Residential	Connected		0
7	Pakistan	Mr		18 (mghall)	NO	YES	NO	YES	YES	Commercial	Connected		0
8	Pakistan	Mr		34 (temp)	NO	NO	YES	YES	NO	Residential	Connected		0
9	Pakistan	Mr		38 (2 K temp)	NO	YES	YES	YES	NO	Commercial	Connected		0
10	Pakistan	Mr		66 (5 M temp2)	YES	YES	YES	YES	NO	Commercial	Connected		0
11	Pakistan	Mr		50 (7 M temp)	NO	NO	YES	NO	NO	Residential	Connected		0
12	Pakistan	Mr		4 (8-M)	YES	YES	YES	YES	YES	Commercial	Connected		0
13	Pakistan	Mr		52 (5 M 2nd)	NO	NO	NO	YES	NO	Residential	Connected		0
14	Pakistan	Mr		35 (temp1)	NO	NO	YES	YES	YES	Commercial	Connected		0
15	Pakistan	Mr		42 (1 K tmp1)	YES	NO	NO	YES	YES	Commercial	Connected		0
16	Pakistan	Mr		62 (2 Kanal)	YES	YES	YES	NO	NO	Commercial	Connected		0
17	Pakistan	Mr		46 (8 M 2nd)	NO	NO	YES	NO	YES	Residential	Connected		0
18	Pakistan	Mr		43 (10 M 2nd)	NO	YES	YES	NO	YES	Commercial	Connected		0
19	Pakistan	Mr		26 (tower2)	NO	NO	NO	YES	NO	Residential	Connected		0
20	Pakistan	Mr		64 (stonly)	YES	YES	NO	NO	YES	Commercial	Connected		0
21	Pakistan	Mr		74 (office2)	YES	YES	YES	YES	NO	Commercial	Connected		0

Sheet 1 of 1 Default English (USA) Average: ; Sum: 0 75%

## 2 - Setup : Bulk data uploading



## 2 - Setup : Customers

Records containing

User Number	CNIC	Name	Shop No	Building No	Street	Block
1	39706-6089523-5	Freda	896	1	h4	U
2	35868-3048488-6	Vera	897	1	h5	U
3	22833-6276814-8	Geoffrey	898	1	h6	U
4	41129-7137597-8	Lupe	899	1	h7	U
5	70183-5872105-8	Ardith	900	1	h8	U
6	81233-8085024-6	Liddie	901	1	h9	U
7	75202-2320266-6	Louann	902	1	h10	U
8	40508-8577181-1	Estella	903	1	h11	U
9	51150-7946919-6	Freddy	904	1	h12	U
10	43257-8529214-6	Joanna	905	1	h13	U

2,000 total

◀ < 1 2 3 4 5 > ▶

## 2 - Setup : Meters

Records containing

Columns ▾

Batch Actions ▾

Number	MF	Status	Meter Health	Meter Type	actions
1	1	Active	ok	Single Phase	<div>▾</div>
2	1	Active	ok	Single Phase	<div>▾</div>
3	1	Active	ok	Single Phase	<div>▾</div>
4	1	Active	ok	Single Phase	<div>▾</div>
5	1	Active	ok	Single Phase	<div>▾</div>
6	1	Active	ok	Single Phase	<div>▾</div>
7	1	Active	ok	Single Phase	<div>▾</div>
8	1	Active	ok	Single Phase	<div>▾</div>
9	1	Active	ok	Single Phase	<div>▾</div>
10	1	Active	ok	Single Phase	<div>▾</div>

2,000 total

◀

<

1

2

3

4

5

>

▶

## 2 - Setup : Connection view

Records containing

Connection Number	Customer Number	Date	Status	Tariff Code	Account	Meter Number	actions
1	1	01/09/2019	Active	IZMT103	241	1	▼
2	2	01/09/2019	Active	IZMT103	260	2	▼
3	3	01/09/2019	Active	IZMT103	279	3	▼
4	4	01/09/2019	Active	IZMT103	298	4	▼
5	5	01/09/2019	Active	IZMT103	317	5	▼
6	6	01/09/2019	Active	IZMT103	336	6	▼
7	7	01/09/2019	Active	IZMT103	355	7	▼
8	8	01/09/2019	Active	IZMT103	374	8	▼
9	9	01/09/2019	Active	IZMT103	393	9	▼
10	10	01/09/2019	Active	IZMT103	412	10	▼

2,000 total ⏮ < 1 2 3 4 5 > ⏭

Operations | Connection (2)

Ownership **Settings** Address Meters Bills Scheduled Bills

Connection Creation Date	Description	Connection No	Status
<input type="text" value="2020-05-05"/>	<input type="text" value="test conn"/>	<input type="text" value="2"/>	<input type="text" value="Active"/>

















Owners

Customer Number	Transfer Date	Percentage Ownership
<input type="text" value="2"/>	<input type="text" value="05/05/2020"/>	<input type="text" value="40"/>
<input type="text" value="3"/>	<input type="text" value="15/10/2021"/>	<input type="text" value="60"/>

Transfers

Customer Number	Transfer Date	Percentage Ownership
<input type="text" value="21"/>	<input type="text" value="05/05/2020"/>	<input type="text" value="40"/>
<input type="text" value="31"/>	<input type="text" value="05/05/2020"/>	<input type="text" value="20"/>

## 2 - Setup : Connection accounts

Account Name	Description	Balance
▼  Assets (1)	This is the root Account for all asset Accounts.	47906600
▼  IZMIR Service 103 (24)	Service asset account.	47906600
▼  Accounts Receivable (30)	Service accounts receivable balance.	9355739.965
▼  Connections (21)	Service connection accounts balance.	9355739.965
▼  conn : 1 : 241 (241)	test conn	0
▶  Electricity Charges (242)	test conn	0
▶  WHT (243)	test conn	0
▶  Other (244)	test conn	0
▶  G1 Street Light (245)	test conn	0
▶  G1 Garbage (246)	test conn	0
▶  G1 Maintenance (247)	test conn	0
▶  G1 Water (248)	test conn	0
▶  G1 PTV (249)	test conn	0
▶  LP Charges (250)	test conn	0
▶  unsettled (251)	test conn	0
▶  conn : 2 : 260 (260)	test conn	0

# 3 - Billing Operations

- MDM
  - Meter readings posting
  - Usage calculations
  - Adjustments
  - estimations
- Invoicing
  - Bill processing
  - Bill posting
  - Late fee posting
  - Late fee waiver
  - Installments
- Payments
  - Payments posting
  - Disbursements
  - Payment settlement
- Connection
  - Customer
  - Meter
  - MCO
  - DCO
  - Transfer
  - Installments
- Publishing
  - Billing
  - Other reports

## 3 - Billing Ops : Customer

<b>User Number</b> <input type="text" value="Number"/>	<b>Select User</b> <input type="text" value="Customer"/>	<b>User Name</b> <input type="text" value="Name"/>
<b>cnic (ABCDE-ABCDEF-GH)</b> <input type="text" value="Cnic"/>	<b>country</b> <input type="text" value="Pakistan"/>	<b>Title</b> <input type="text" value="title"/>
<b>ShopNo/SuitNo</b> <input type="text" value="shopNo"/>	<b>Additional Info</b> <input type="text" value="additionalInfo"/>	<b>Building No</b> <input type="text" value="buildingNo"/>
<b>Building Name</b> <input type="text" value="buildingName"/>	<b>Street</b> <input type="text" value="street"/>	<b>Block/Sector</b> <input type="text" value="block"/>
<b>Society/Colony/Town</b> <input type="text" value="society"/>	<b>City</b> <input type="text" value="city"/>	

---

<input type="text" value="Mobile"/>	<input type="text" value="Enter value"/>	<input type="button" value="Add"/>
-------------------------------------	--	------------------------------------

## 3 - Billing Ops : Meter

**Meter Number\***

Enter Number

**Meter Brand**

Enter Brand

**Meter Type\***

Single Phase



**Purchase Date\***


10/15/2021




**MF\***

1

# 3 - Billing Ops : Connection

<div>Add</div>		<div>Remove</div>	
Customer Number* <input type="text" value="0"/>		Owship* <input type="text" value="100"/>	
Service* <div>Select Service ▼</div>		Tariff* <div>Select Tariff ▼</div>	
Date* <div>10/15/2021 </div>		Batch* <div>Select Batch ▼</div>	
Description <input type="text" value="Service Connection Description"/>		Connection Number <input type="text" value="Connection Number"/>	
Connection Address Detail			
Country <div>Pakistan ▼</div>		Title <input type="text" value="title"/>	
ShopNo/SuitNo <input type="text" value="shopNo"/>		Additional Info <input type="text" value="additionalInfo"/>	
Building No <input type="text" value="buildingNo"/>		Building Name <input type="text" value="buildingName"/>	
Street <input type="text" value="street"/>		Block/Sector <input type="text" value="block"/>	
Society/Colony/Town <input type="text" value="society"/>		City <input type="text" value="city"/>	

### 3 - Billing Ops : Meter Readings Uploading

Meter No	Reading Type	Reading	Reading Date	Meter Health	Comments	Actions
1	KWH 	736	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
2	KWH 	659	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
3	KWH 	1091	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
4	KWH 	1120	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
5	KWH 	975	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
6	KWH 	931	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
7	KWH 	900	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
8	KWH 	Enter Reading	10/01/2019 	lcd_wash 	Enter comments	<a href="#">Remove</a>
9	KWH 	1239	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>
10	KWH 	1260	10/01/2019 	ok 	Enter comments	<a href="#">Remove</a>

# 3 - Billing Ops : Meter Readings posting

Records containing

Applied	Connection Type	KWH Meter	KWH	Reading Date	kwh_MCO	kwh_estimated	kwh_mf	kwh_previousReading	kwh_currentReading	actions
	Commercial	Connected	513	01/05/2020	0		1	3407	3920	<input type="button" value="v"/>
	Residential	Connected	591	01/05/2020	0		1	3339	3930	<input type="button" value="v"/>
	Residential	Connected	423	01/05/2020	0		1	3681	4104	<input type="button" value="v"/>
	Commercial	Connected	408	01/05/2020	0		1	3729	4137	<input type="button" value="v"/>
	Residential	Connected	312	01/05/2020	0		1	3801	4113	<input type="button" value="v"/>
	Commercial	Connected	355	01/05/2020	0		1	3611	3966	<input type="button" value="v"/>
	Residential	Connected	421	01/05/2020	0		1	3901	4322	<input type="button" value="v"/>
	Commercial	Connected	407	01/05/2020	0		1	3637	4044	<input type="button" value="v"/>
	Commercial	Connected	332	01/05/2020	0		1	3754	4086	<input type="button" value="v"/>
	Residential	Connected	425	01/05/2020	0		1	4030	4455	<input type="button" value="v"/>

2,000 total

1 2 3 4 5

# 3 - Billing Ops : Invoicing and MDM

Operations | Service (IZM103) | Batch (B01) | Term (APR 2020)

Records containing



Columns

Batch Actions











Columns Rows Group By Having








Conn No	Tariff Code	Status		Arrears	Issue Date	Due Date	Elec Rate	LP Factor	Electricity Charges	WHT
1	IZMT103	POSTED		0			34.5	0.1	17698.5	1500
2	IZMT103	POSTED		0			34.5	0.1	20389.5	0
3	IZMT103	POSTED		0			34.5	0.1	14593.5	0
4	IZMT103	POSTED		0			34.5	0.1	14076	1000
5	IZMT103	POSTED		8202			34.5	0.1	10764	0
6	IZMT103	POSTED		0			34.5	0.1	12247.5	1000
7	IZMT103	POSTED	Louann	0			34.5	0.1	14524.5	0
8	IZMT103	POSTED	Estella	0			34.5	0.1	14041.5	1000
9	IZMT103	POSTED	Freddy	0			34.5	0.1	11454	1000
10	IZMT103	POSTED	Joanna	42323.65			34.5	0.1	14662.5	0

2,000 total












1 2 3 4 5

## 3 - Billing Ops : Adjustments














KWH	Reading Date	kwh_MCO	kwh_estimated	kwh_mf	kwh_previousReading	kwh_currentReading	actions
513	01/05/2020	0		1	3407	3920	
591				1	3339	3930	
423				1	3681	4104	
408				1	3729	4137	
312				1	3801	4113	
355				1	3611	3966	
421				1	3901	4322	
407				1	3637	4044	
332				1	3754	4086	
425				1	4030	4455	

id	kwh_currentReading	actions
3920		
3930		Adjustment MCO
4104		
4137		
4113		
3966		
4322		
4044		
4086		
4455		

### 3 - Billing Ops : Bills posting (connection accounts)

▼  conn : 5 : 317 (317)	test conn	8075.6
▶  Electricity Charges (318)	test conn	5504.6
▶  WHT (319)	test conn	0
▶  Other (320)	test conn	1471
▶  G1 Street Light (321)	test conn	0
▶  G1 Garbage (322)	test conn	350
▶  G1 Maintenance (323)	test conn	750
▶  G1 Water (324)	test conn	0
▶  G1 PTV (325)	test conn	0
▶  LP Charges (326)	test conn	0
▶  unsettled (327)	test conn	0

### 3 - Billing Ops : Bills posting (service accounts)

▼  Income (12)	This is the root Account for owner.	47906600
▼  IZMIR Service 103 (26)	Organization income account.	47906600
▶  Other (36)	Organization payable account.	7561298
▶  G1 Garbage (38)	Organization payable account.	5544600
▶  G1 Maintenance (39)	Organization payable account.	12277600
▶  G1 Water (40)	Organization payable account.	11914200
▶  LP Charges (42)	Organization payable account.	10608902
▼  Liabilities (15)	This is the root Account for all components of all services.	0
▼  IZMIR Service 103 (27)	Organization payable account.	0
▶  Electricity Charges (34)	Component liability account.	0
▶  WHT (35)	Component liability account.	0
▶  G1 Street Light (37)	Component liability account.	0
▶  G1 PTV (41)	Component liability account.	0

# 3 - Billing Ops : Ledgers

Title  
Type  
Description  
Balance  
Status

Electricity Charges  
payable component  
Component liability account.  
0  
ACTIVE

Transaction Date	Posting Date	Description	Transaction Number	dr	cr	Reference type	Reference ID	Balance
01/10/2019	04/04/2021	BILLING	2002		37809895.5	Invoice	0	37809895.5
25/10/2019	04/04/2021	Disbursement	2029	37809895.5			0	0
01/11/2019	04/04/2021	BILLING	2031		31098783	Invoice	0	31098783
26/11/2019	04/04/2021	Disbursement	2059	31098783			0	0
01/12/2019	04/04/2021	BILLING	2061		27777537	Invoice	0	27777537
27/12/2019	04/04/2021	Disbursement	2088	27777537			0	0
01/01/2020	04/04/2021	BILLING	2090		27305404.5	Invoice	0	27305404.5
26/01/2020	05/04/2021	Disbursement	2146	27305404.5			0	0
01/02/2020	05/04/2021	BILLING	2148		31052311.5	Invoice	0	31052311.5
26/02/2020	05/04/2021	Disbursement	2175	31052311.5			0	0

### 3 - Billing Ops : Connection Transfer

Customer Number

Ownership

From

2

40

3

60

To

0

100

Add Remove

Transfer

Ownership

Settings

Add

Connection Creation Date

2020-05-05

test conn

2

Active

Owners

Customer Number

Transfer Date

Percentage Ownership

### 3 - Billing Ops : Installments of an unposted bill

The screenshot shows a software interface for managing bill installments. A modal window titled "Manual Components" is open, displaying a form for creating or editing bill components. The form includes tabs for "Bill", "Installment 1", "Installment 2", "Installment 3", "Installment 4", and "Installment 5". The "Installment 1" tab is currently selected. The form contains several input fields and buttons. The "Installments" field is set to 5. The "Process" button is highlighted. The "Show Installments" and "Create Bills" buttons are also visible. The background shows a sidebar with navigation links: "Connections", "Customers", "Meters", and "Bills". The main content area displays a form for creating a bill, with fields for "Connection (2)", "Ownership", "Settings", "Add", "Connection Creation Date" (2020-05-05), "Owners", "Customer Number" (2, 3), "Transfers", "Customer Number" (21, 31), and "Elec Rate : 34.5".

Manual Components

Other Other

Installments

Installments : 5

Process Show Installments Create Bills

Bill Installment 1 Installment 2

Installment 3 Installment 4

Installment 5

Elec Rate : 34.5

LP Factor : 0.1

Nothing : 0

Electricity Charges : 0.000

WHT : 0.000

Other : 0.000

G1 Street Light : 0.000

G1 Garbage : 0.000

G1 Maintenance : 0.000

G1 Water : 80.000

G1 PTV : 0.000

Current Bill : 80.000

LP Charges : 8.000

Payable within Due Date : 80.000

Payable after Due Date : 88.000

10/15/2021

### 3 - Billing Ops : Installments of a posted bill

The screenshot displays a web application interface for billing operations. A modal window titled 'Installments' is open, showing details for a bill with 3 installments. The modal includes tabs for 'Bill', 'Installment 1', 'Installment 2', and 'Installment 3'. The 'Installment 3' tab is selected, displaying various charges and a due date of 10/19/2021. The background shows a list of KWH meters, all of which are 'Connected'. The top navigation bar includes links for Meter Readings, Reports, Connections, Customers, Meters, and Bills. The user's email, hamza.techfootintl@gmail.com, is visible in the top right corner.

**Installments**

Installments :

**Bill**   **Installment 1**   **Installment 2**   **Installment 3**

Elec Rate : 34.5  
LP Factor : 0.1  
Nothing : 0  
Electricity Charges : 13524.000  
WHT : 0.000  
Other : 0.000  
G1 Street Light : 0.000  
G1 Garbage : 0.000  
G1 Maintenance : 0.000  
G1 Water : 0.000  
G1 PTV : 0.000  
Current Bill : 13524.000  
LP Charges : 1352.400  
Payable within Due Date : 13524.000  
Payable after Due Date : 14876.400


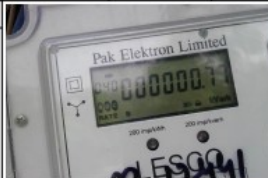
**KWH Meter**

Connected
Connected
Connected
Connected
Connected
Connected
Connected
Connected
Connected
Connected
Connected
Connected

previousReading	kwh_currentReading	actions
	1105	<input type="button" value="Dropdown"/>
		<input type="button" value="Dropdown"/>
	1176	<input type="button" value="Dropdown"/>
	1116	<input type="button" value="Dropdown"/>
	902	<input type="button" value="Dropdown"/>
	925	<input type="button" value="Dropdown"/>
	1192	<input type="button" value="Dropdown"/>
	659	<input type="button" value="Dropdown"/>
	858	<input type="button" value="Dropdown"/>
	1285	<input type="button" value="Dropdown"/>

10/19/2021 396 397 398 399 400

## 3 - Billing Ops : Publishing










		<b>A/C Title:</b> Lake City Management (Pvt) Ltd. <b>Allied Bank A/C No:</b> 0010035550910016 Branch Code: 0062 <b>Faysal Bank A/C No:</b> 3127301900234171 Branch Code: 3127		<b>Customer Services</b> 0308-4449696, 0317-4215794 <b>For Billing:</b> 111-000-096 Ext-157 <b>Security Emergency</b> 0335-2200077, 0423-5322555 (9:00 AM to 5:00 PM Except Sundays) <a href="mailto:Imran.khan@thelakecity.com.pk">Imran.khan@thelakecity.com.pk</a> <b>QAZAL@thelakecity.com.pk</b>	
		Back up Generation Bill			
<b>Customer :</b> Alan		<b>Address :</b> Clopetra, 501, 504g, Lahore		<b>Connection Date :</b> 09/01/2019	<b>Meter Status :</b> Active
Ref. No	Tariff	Bill Month	Issue Date	Due Date	
501	IZMT103	SEP 2019	10/01/2019	10/10/2019	
Meter No.	Meter Type	Reading Date	Prev. Reading	Pres. Reading	Units
501	Single Phase	10/01/2019	416	1057	641
Power Comps	Electricity Charges	WHT			
Charges	22114.5	0			
Group1 Comps	G1 Street Light	G1 Garbage	G1 Maintenance	G1 Water	G1 PTV
Charges	2000	0	0	0	35
Misc.	Misc.				
Charges	648				
Bill History					
Month	Units	Bill Amount	Payment		
					
<b>Current Bill</b>				24797.5	
<b>Arrears</b>				0	
<b>Total within Due Date</b>				24797.5	
<b>Late Payment Sur.</b>				2479.75	
<b>Total After Due Date</b>				27277.25	


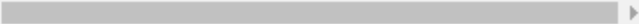
# 3 - Billing Ops : Payments posting

paymentsWithinDueDate				
File Edit View Insert Format Styles Sheet Data				
Liberation Sa 10 B I U A				
F1 fx Σ =				
A	B	C	D	E
Transaction Number	Connection Number	Paid	Date	
1	1	692	16920.503/10/2019	
2	2	1641	18163.503/10/2019	
3	3	756	19545.503/10/2019	
4	4	871	15750.503/10/2019	
5	5	1389	24037.503/10/2019	
6	6	1001	27320.503/10/2019	
7	7	710	1425003/10/2019	
8	8	1866	22243.503/10/2019	
9	9	1709	18750.503/10/2019	
10	10	1680	18241.603/10/2019	
11	11	729	25321.503/10/2019	
12	12	402	15603.503/10/2019	
13	13	1707	26718.503/10/2019	
14	14	1585	14485.503/10/2019	
15	15	1361	2098003/10/2019	
16	16	1107	2174303/10/2019	
17	17	772	16795.503/10/2019	
18	18	1368	2258703/10/2019	
19	19	258	25426.503/10/2019	
20	20	1050	1403403/10/2019	
21	21	1116	17868.503/10/2019	
22	22	1620	3256403/10/2019	
23	23	828	13660.503/10/2019	
24	24	1752	2776203/10/2019	

Assets (1)	This is the root Account for all asset Accounts.	47906600
IZMIR Service 103 (24)	Service asset account.	47906600
Accounts Receivable (30)	Service accounts receivable balance.	9355739.965
Current Assets (22)	Service current asset accounts balance.	38550860.035
Banks (23)	Service bank accounts balance.	38550860.035
Meezan (33)	123456 - Service cash account	38550860.035

### 3 - Billing Ops : Late Fee Waiver

Reading Date	kwh_MCO	kwh_estimated	kwh_mf	kwh_previousReading	kwh_currentReading	actions
01/10/2019	0		1	361	736	
01/10/2019	0		1	592	659	Waive LP Charges
01/10/2019	0		1	485	1091	
01/10/2019	0		1	318	1120	
01/10/2019	0		1	323	975	
01/10/2019	0		1	311	931	
01/10/2019	0		1	310	900	
01/10/2019	0		1	566	1066	
01/10/2019	0		1	324	1239	
01/10/2019	0		1	493	1260	



### 3 - Billing Ops : Disbursements

Services:

IZMIR Service 103

Payables

Electricity Charges : 0

WHT : 0

G1 Street Light : 0

G1 PTV : 0

Electricity Charges

Meezan,123456

Banks

Meezan,123456 : 38550860.035

Disburse

## 4 - User Management

- Permission Lists
- Roles
- User Logins

## 4 - User Management : Permission Lists

Authorization | Make Permission

Save

Discard

- Get User Types ☐
- Create User ☐
- Get Users ☐
- Create Connection ☐
- Get Connection Count ☐
- Get Connections ☐
- Create Bill Term ☐
- Get Bill Terms ☒
- Get Bill Term ☒
- Close Bill Term ☐
- Get Batches By Term ☐
- Process Bills ☒
- Get Connection Account Numbers by Batch ☐
- Post Batch Billing JV to Accounts ☐
- Post Bills ☐

## 4 - User Management : Roles and assignment to Logins

Enter Role Name

Executive

- All services allowed ☒

Crating a role for selected  
permission lists

Assigning the role to a login

Enter Email

almalik.umair@gmail.com

Enter Password

sgdda

- Executive ☐

# 5 - Processes Scheduling

- Long running processes
- Process scheduling
- Recurring Processes
- Process status

## 5 - Processes Scheduling : Long running processes

System | Process Scheduling



A screenshot of a web application interface showing a dropdown menu for selecting a process. The dropdown is titled 'Select Process' and is currently open, displaying a list of 16 options. The first option, 'Select Process', is highlighted with an orange background. The other options are listed in a standard font. The dropdown is set against a light gray background.

- Select Process
- New Bill Term
- Process Bills
- Post Bills
- Create Bill Documents
- Apply Late Fee
- Post payments
- Settle payments
- Estimate Missing Meter Units
- Post Readings
- MCO
- DCO
- RCO
- LCD Wash
- New Connection
- Meter Readings

## 5 - Processes Scheduling : Process Scheduling

Post Readings ▾

Select Service

IZMIR Service 103 ▾

Select Batch

IZMIR Service 103 Batch 1 ▾

Select Term

0 Term ▾

☒ Notify me when completed

Start Process ^

⌚ Schedule Process

## 5 - Processes Scheduling : Process Scheduling

The image shows a web application interface for scheduling a process. A modal window titled "Pick Date & Time" is open, allowing the user to select a date and time. The background interface includes a dropdown menu for "Post Readings", a "Start Process" button, and a checkbox for "Notify me when completed".

**Pick Date & Time**

Choose a date  
4/8/2021

Enter time in am or pm  
7:23 am

Cancel Schedule Process

Post Readings

Select Service IZMIR

Select Batch IZMIR

Select Term 0 Term

☒ Notify me when completed

Start Process

## 5 - Processes Scheduling : Process Status

Status goes from Pending to Progress to Done or Fail

New Bill Term ▾

Records containing

Create

Columns ▾

Batch Actions ▾




















Process	Process ID	Service Code	Status
New Bill Term	63	IZM103	Done
New Bill Term	55	IZM103	Done
New Bill Term	47	IZM103	Done
New Bill Term	37	IZM103	Done
New Bill Term	29	IZM103	Done
New Bill Term	21	IZM103	Done
New Bill Term	12	IZM103	Done
New Bill Term	3	IZM103	Done
New Bill Term	1	IZM103	Done

9 total

## 6 - Accounting

- Chart of Accounts
- General Journal
- Ledgers
- General JV posting interface

# 6 - Accounting : Chart of Accounts

Account Name	Description	Balance
▼  Assets (1)	This is the root Account for all asset Accounts.	47906600
▼  IZMIR Service 103 (24)	Service asset account.	47906600
▶  Accounts Receivable (30)	Service accounts receivable balance.	9355739.965
▶  Current Assets (22)	Service current asset accounts balance.	38550860.035
▶  Suspense Account (20)	Service suspense account.	0
▶  Equity (10)	This is Equity account	0
▶  Expense (7)	This is Expense Account	0
▼  Income (12)	This is the root Account for owner.	47906600
▼  IZMIR Service 103 (26)	Organization income account.	47906600
▶  Other (36)	Organization payable account.	7561298
▶  G1 Garbage (38)	Organization payable account.	5544600
▶  G1 Maintenance (39)	Organization payable account.	12277600
▶  G1 Water (40)	Organization payable account.	11914200
▶  LP Charges (42)	Organization payable account.	10608902
▼  Liabilities (15)	This is the root Account for all components of all services.	0
▼  IZMIR Service 103 (27)	Organization payable account.	0
▶  Electricity Charges (34)	Component liability account.	0
▶  WHT (35)	Component liability account.	0
▶  G1 Street Light (37)	Component liability account.	0






# 6 - Accounting : General Journal

Accounting | General Journal

Records containing

Columns ▾

Batch Actions ▾

 Columns  Rows  Group By  Having 

Account #	Transaction #	Transaction Date	Posting Date	Description	Dr	Cr	Reference #	Reference Type	Posted
37414	2258	27/05/2020	5/04/2021	SETTLEMENT		1393.75	0	Invoice	1
37433	2258	27/05/2020	5/04/2021	SETTLEMENT		0	0	Invoice	1
37452	2258	27/05/2020	5/04/2021	SETTLEMENT		2063.35	0	Invoice	1
37471	2258	27/05/2020	5/04/2021	SETTLEMENT		0	0	Invoice	1
37490	2258	27/05/2020	5/04/2021	SETTLEMENT		2932.75	0	Invoice	1
37509	2258	27/05/2020	5/04/2021	SETTLEMENT		0	0	Invoice	1
37528	2258	27/05/2020	5/04/2021	SETTLEMENT		0	0	Invoice	1
37547	2258	27/05/2020	5/04/2021	SETTLEMENT		0	0	Invoice	1
37566	2258	27/05/2020	5/04/2021	SETTLEMENT		0	0	Invoice	1
37585	2258	27/05/2020	5/04/2021	SETTLEMENT		1270.35	0	Invoice	1

348,694 total


◀ < 34864 34865 34866 34867 34868 > ▶

# 6 - Accounting : Ledgers

Title	Electricity Charges
Type	receivable
Description	test conn
Balance	5504.6
Status	ACTIVE

Transaction Date	Posting Date	Description	Transaction Number	dr	cr	Reference type	Reference ID	Balance
01/09/2019	04/04/2021	OPENING BALANCE	6	0		OPENING BALANCE	0	0
01/10/2019	04/04/2021	BILLING	2002	22494		Invoice	2052	22494
26/10/2019	4/04/2021	SETTLEMENT	2030		22494	Invoice	0	0
01/11/2019	04/04/2021	BILLING	2031	16663.5		Invoice	4099	16663.5
27/11/2019	4/04/2021	SETTLEMENT	2060		16663.5	Invoice	0	0
01/12/2019	04/04/2021	BILLING	2061	14076		Invoice	6146	14076

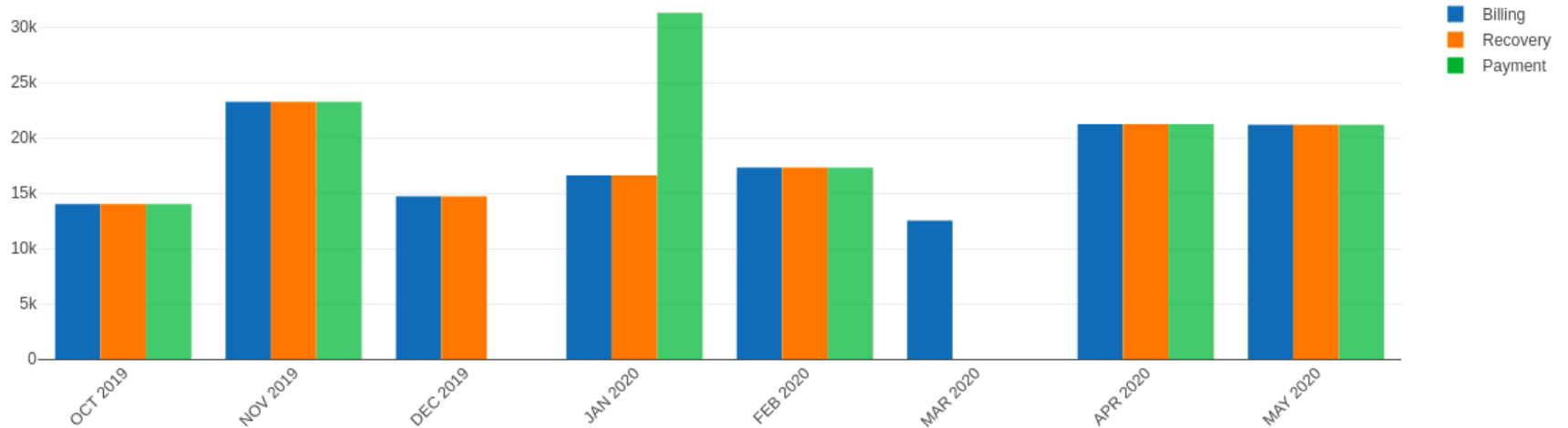
## 6 - Accounting : General JV posting interface

04/08/2021		Description	
Account Number	dr ▼	0	
Account Number	dr ▼	0	
<input type="button" value="Add"/>			

## 7 - Customer Portal : Dashboard

Export

Billing-Recovery-Payment



## 7 - Customer Portal : Bills history



almalik.umair+1@gmail.com

Customer Portal | Current Bills

IZM103

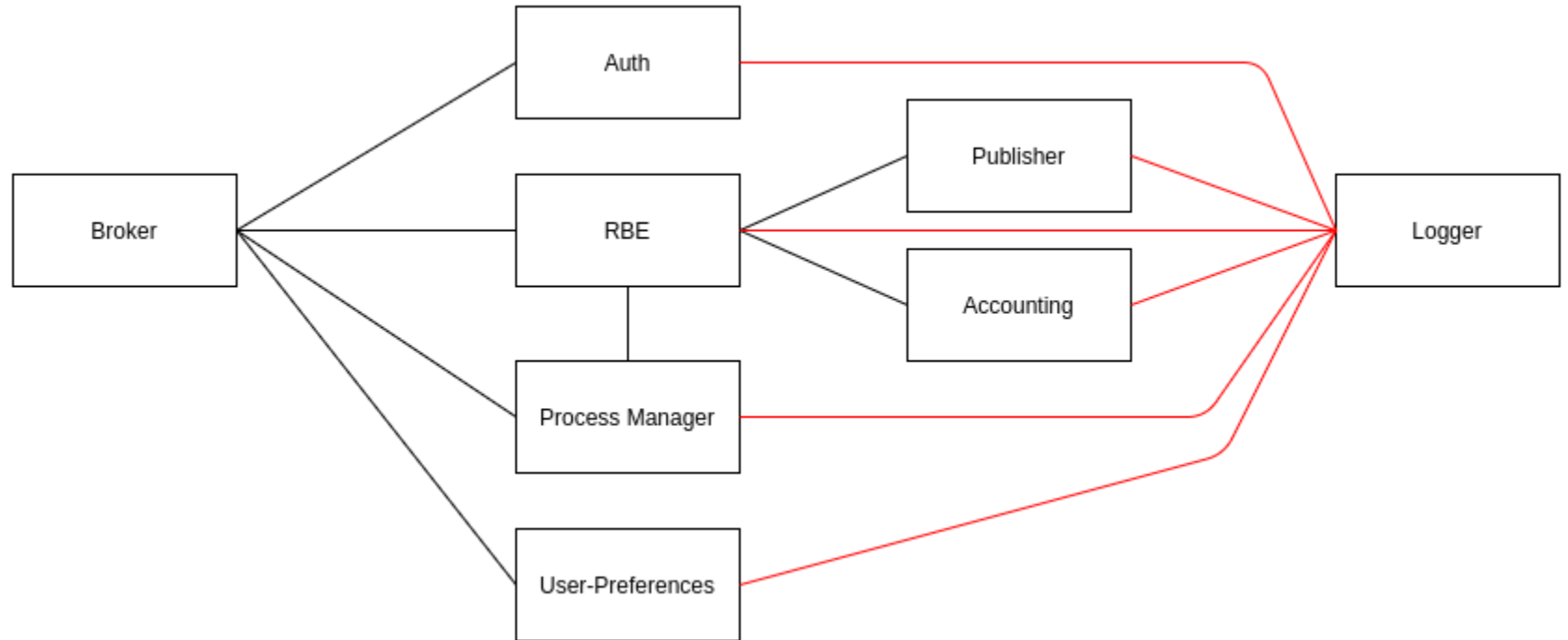
Connection Number	Term	Billed Amount	Issue Date	Due Date	Payment	Payment Date	Action
1	SEP 2019	13997.5	01/10/2019	10/10/2019	13997.5	08/10/2019	<a href="#">View</a>
1	OCT 2019	21136.5	01/11/2019	10/11/2019	23250.15	11/11/2019	<a href="#">View</a>
1	NOV 2019	13376.5	01/12/2019	10/12/2019	0	0	<a href="#">View</a>
1	DEC 2019	16588	01/01/2020	10/01/2020	31302.15	08/01/2020	<a href="#">View</a>
1	JAN 2020	17293.5	01/02/2020	10/02/2020	17293.5	05/02/2020	<a href="#">View</a>
1	FEB 2020	12502	01/03/2020	10/03/2020	0	0	<a href="#">View</a>
1	MAR 2020	21246	01/04/2020	10/04/2020	21246	10/04/2020	<a href="#">View</a>

# Technical Overview

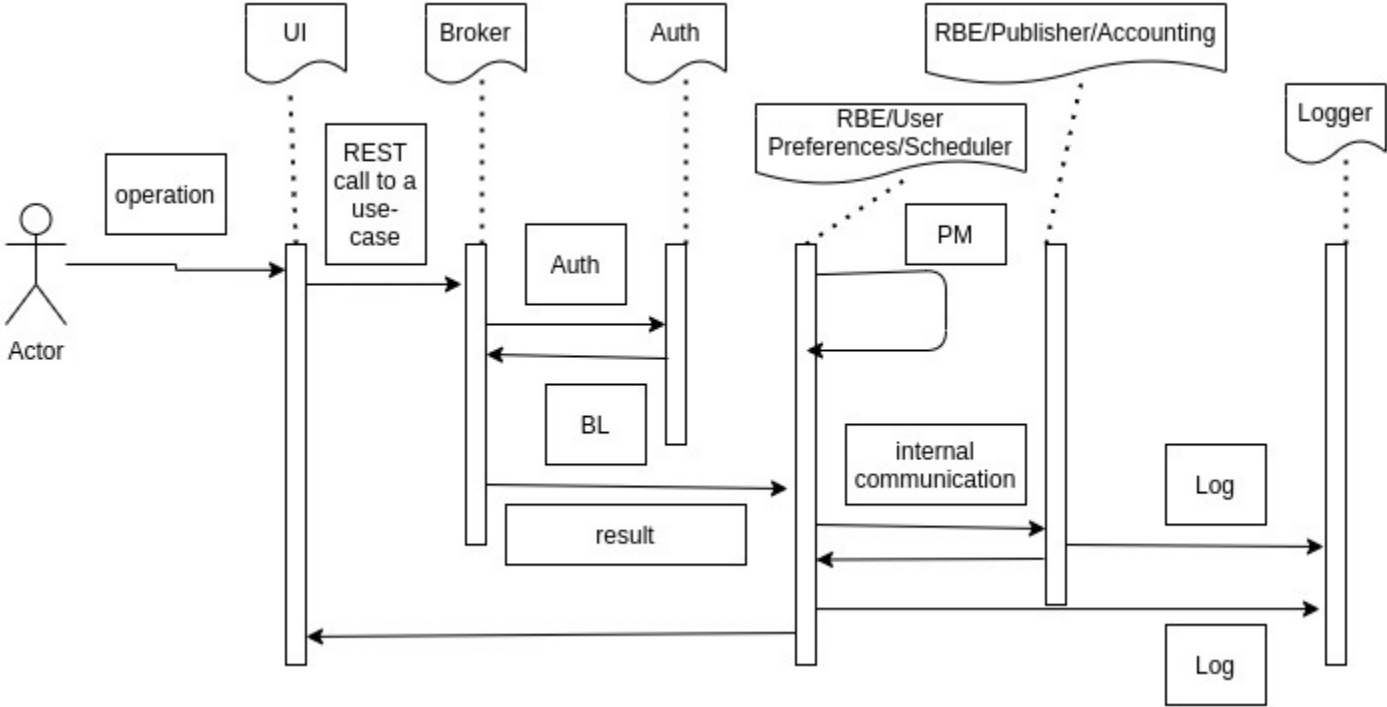
# Architecture



# BillSpree micro-services interactions



# BillSpree micro-services interactions



# BillSpree micro-service

