

# **Provisional Acceptance Test**

of the work

"Billing Software Development"

**Document Title** 

Customer:	None
Title:	
	Billing Software Development

# **Document Control**

Author(s), quality control and client sign-off				
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Author(s):				
Review And Verification:				

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# 1. Background

intends to procure billing software for its
customer care department to generate bills and reports based on its types of customers. The Bidding
Document titled has been
prepared for this purpose. is a Core
Telecommunications service provider primarily through the international Submarine Cables. Emerging in
July 2008, presently handles the SEA-ME-WE-4 and SEA-ME-WE-5 submarine cables and
represents the country in the SMW-4 and SMW-5 international cable consortium.
is selling customer-oriented services. Therefore, needs to generate the monthly bills for its customers and collect the bills as well. It is also needed to generate different types of reports. Customer dues and payments and other customized reports for the management. Regarding its dues and the payment that is made. To the date is generating pre-paid invoices for monthly bills, demand notes etc. Manually using Microsoft Excel. All the required reports are also generated manually. wants to procure billing software to automate its billing system which will support pre-paid billing, post-paid billing and all the above-mentioned facilities.

## 2. Procedure & Entities

## 2.1 Acceptance Test Items

- □ Modules.
- □ Version.

## 2.2 PAT Schedule:

SL#	ITEMS	Start Date	End Date
1	Modules		
2	Version	]	
3	Annexure	]	
		31-July-2022	1-August-2022



## 3. Item to be tested

## 3.1 Modules Check

	Module Name	Test Parameters	Test Parameters Expected Output	
No				Status
1	Customer Information	Add, View, Edit and Delete Customer Information, Customers Roles & Permission and Services by selecting specific users, roles and services	User will successfully perform all the operations	Done (Screen Shots added below)
2	Roles & Permission	User wise roles & permission can be set	Roles & Permission will successfully work	Done (Screen Shots added below)
3	Product/ Service Information	Add, View, Edit and Delete Product/ Service Information and Sub Services of different stations	User will successfully perform all the operations	Done (Screen Shots added below)
4	Bandwidth Rates/Charges	Rates and Charges are based on services	Rates and Charges are working properly	Done (Screen Shots added below)
5	Adjustments	Enter Adjustments details	Adjustment Calculation will automatically generate	Done (Screen Shots added below)
6	VAT/TAX	Enter VAT/TAX information in the field	VAT/TAX will automatically Add with the Net price	Done (Screen Shots added below)
7	Discount	Enter the Discount Amount	Amount will automatically subtract from the Net price	Done (Screen Shots added below)
8	Demand Note	<ol> <li>Registration Fee</li> <li>Installation Charge</li> <li>Types of Ports</li> <li>Number of Ports</li> <li>MRC</li> <li>Default Discount on MRC (If any)</li> <li>Additional Special Management Discount</li> <li>VAT/BIN</li> <li>Security Deposit</li> <li>Total Payable Amount</li> </ol>	All the fields will take input properly	<b>Done</b> (Screen Shots added below)
9	Invoice	IPLC Service/ IP Transit Service-  1. Subscriber's Name, Address and BIN  2. Issuer's Name and BIN  3. Printing Date  4. Billing period	1. Discounts will automatically be calculated in discount fields for both wet segment and Backhaul	

- Circuit Information and Capacity of the circuits
- 6. Changes occurring in the billing period
- Type of Service (IPLC/IP Transit)
   Submarine Cable System and Location of the circuit
- 8. MRC for subscribed wet segment
- MRC for Backhaul based on backhaul capacity (optional).
- Default discounts will automatically be calculated in discount fields for both wet segment and Backhaul
- Special discounts (Management)
  will automatically be calculated in
  discount fields for wet segment and
  Backhaul rate should be
  mentioned.
- Billing amount and VAT amount should be mentioned separately for both Wet segment and Back haul.
- 13. Net payable will be calculated by adding VAT with Billing amount.
- There should be an option to add a section in case any previously generated invoice should be adjusted.
- There should be a Remarks Column that can be edited manually.
- Payment instructions and other notices.
- 17. Digital Signature
- 18. Invoice No. following Standard
- 19. If required, there should have an option to generate an annexure that contains clients' Number of circuits, capacities, activation/deactivation date, circuit ID and designations etc.)
- 20. Copy to
- 21. Attachments (Optional)

#### COLOCATION Service-

- Subscriber's Name and Address, BIN
- 2. Billing period
- 3. Rack Space hired
- 4. Unit price for Rack Space
- 5. Port charges for different capacity (STM-1, STM-4, STM-16, STM-64, 10GE, 100GE)

- discounts
  (Management)
  will
  automatically
  be calculated in
  discount fields
  for wet segment
  and Backhaul
  rate should be
  mentioned.
- Net Payable will be calculated
- Invoice will be generated successfully



		<ul><li>6. Hired Power Consumption/ Electricity Consumption</li><li>7. Unit Price for Power Consumption</li><li>8. Total MRC</li></ul>		
10	Billing			
11	Report	Monthly financial statements of the customers will be automatically produced and accessible by the system	User will get the account statement through EMAIL	Done (Screen Shots added below)

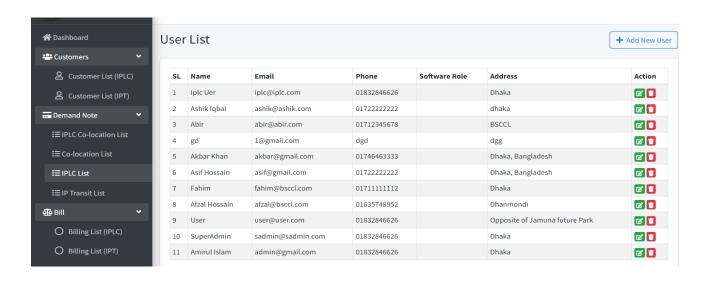
## 3.2 Version Check.

No	Test Description	Proposed Technology	<b>Expected Output</b>	Status
1	System Frontend	Vue JS, HTML5, AJAX, CSS, Bootstrap	As Expected	
2	System Backend	PHP 7.5	As Expected	
3	Framework	Laravel 8	As Expected	
4	Design Pattern	MVC	As Expected	
5	Database Engine	MySQL, Firebase	As Expected	
6	Web API	RESTful API	As Expected	

7	Search Engine	Elastics/Haystack search engine	As Expected	
8	Caching Technology	Redis, Memcached, Varnish, Squid	As Expected	
9	Service Environment	LAMP	As Expected	
10	Project Management Tools	Slack, Trello, Jira Issue Tracker	As Expected	
11	Version Control	GitHub	As Expected	
12	Design Tools	Adobe XD, Photoshop, Illustrator	As Expected	
13	Testing Tools	Selenium, Zephyr, Testpad	As Expected	

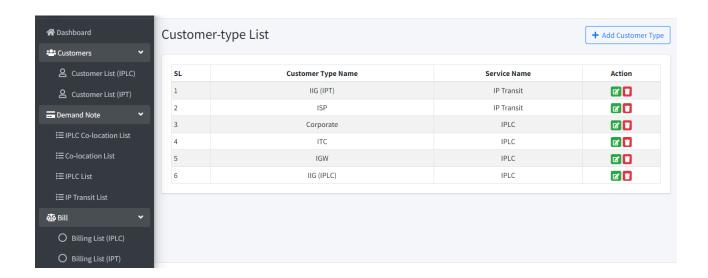
## 4. Annexure

#### **Customer Information-**

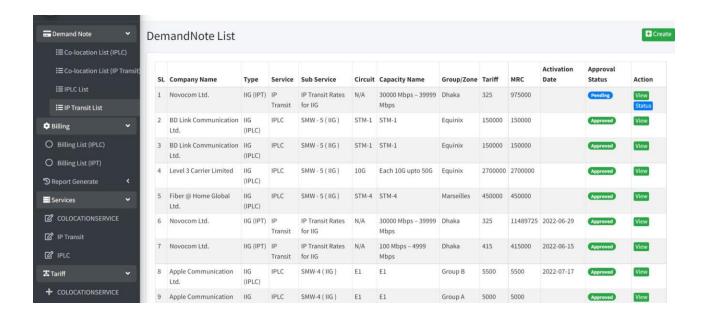




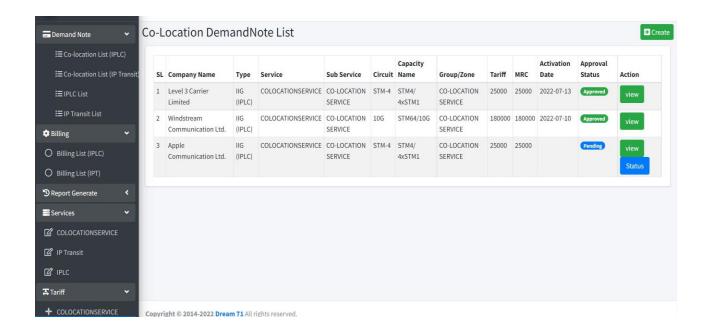
#### **Customer Type-**



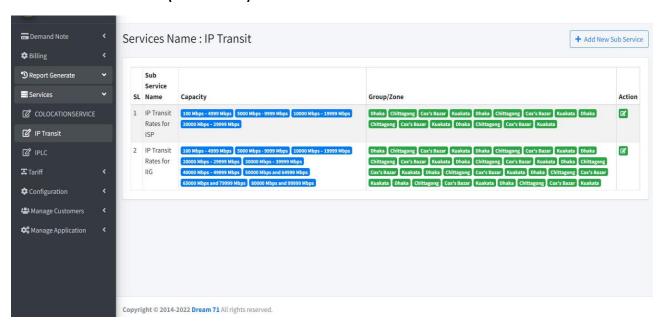
### Demand Note List (IPLC/IPT)-



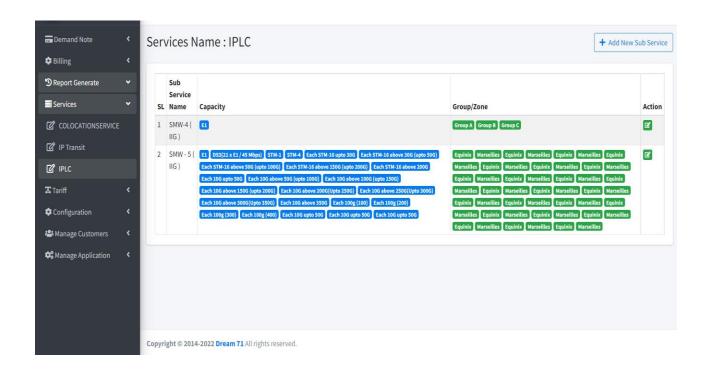
### **Demand Note List (COLOCATION)-**



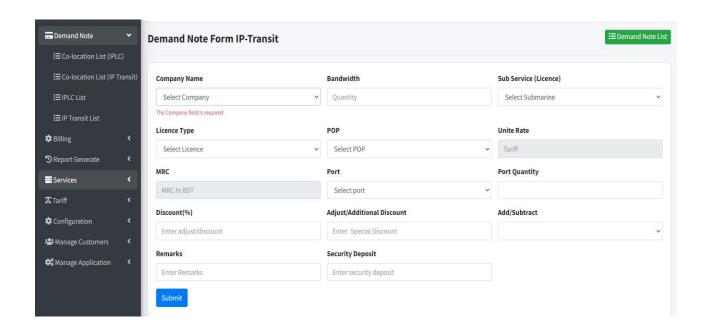
#### Services and Sub services (IPT and IPLC)

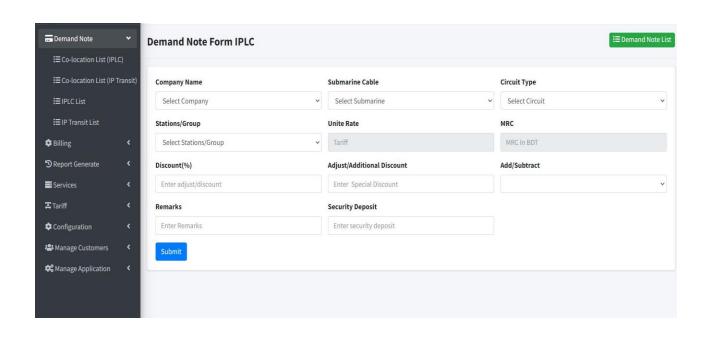


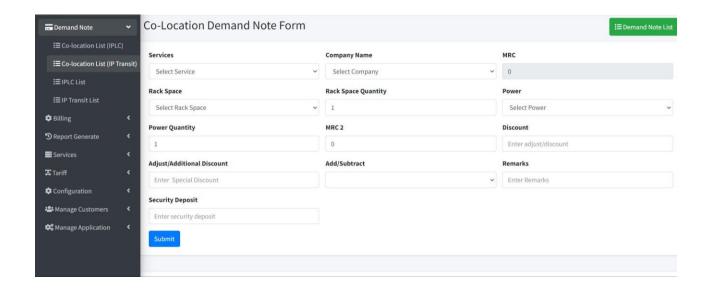




### **Demand Notes Create for IP Transit, IPLC, COLOCATION:**

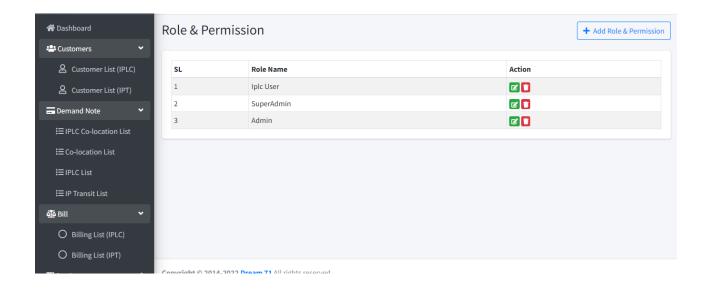








#### **Roles & Permission-**



## 5. Recommendation

Overall Provisional Acceptance Test (PAT) has been successfully done with satisfactory results on all of the items. So, the issuance of Provisional Acceptance Certificate (PAC) is recommended.

Signature of PAT Members:	
 1. Name:	-
Designation:	
Designation:	
3. Name: Designation:	
6. PAT Sign-off	
This PAT was conducted with t	eams and QA engineers professionally.
This PAT document certifies th proposal and has customer's c	· ·
Below is the final sign-off and s	summary of the tests covered by this PAT:



"Billing Software Development"		
PAT Team	PAT Team	
Name: Designation: Date: Signature:	Name: Designation: Signature:	