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भारत संचार निगम लिमिटेड
(भारत सरकार का उपक्रम)
BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

No: - CGMT/HR/Broadband/504/Part-II

Dated at Ambala 29-04-11

To

ALL SSA Heads

Sub: - Migration of Sancharnet Services on P3 system.

Earlier the Sancharnet services were managed through NIB-I platform and Ambala SSA printed the Sancharnet voucher for all SSAs. Now management of Sancharnet Service is migrated on P3 system and the SSAs can print them itself. The document containing the procedure for the subscriber management & voucher management is here by attached.

Tripathi
AGM (Broadband)

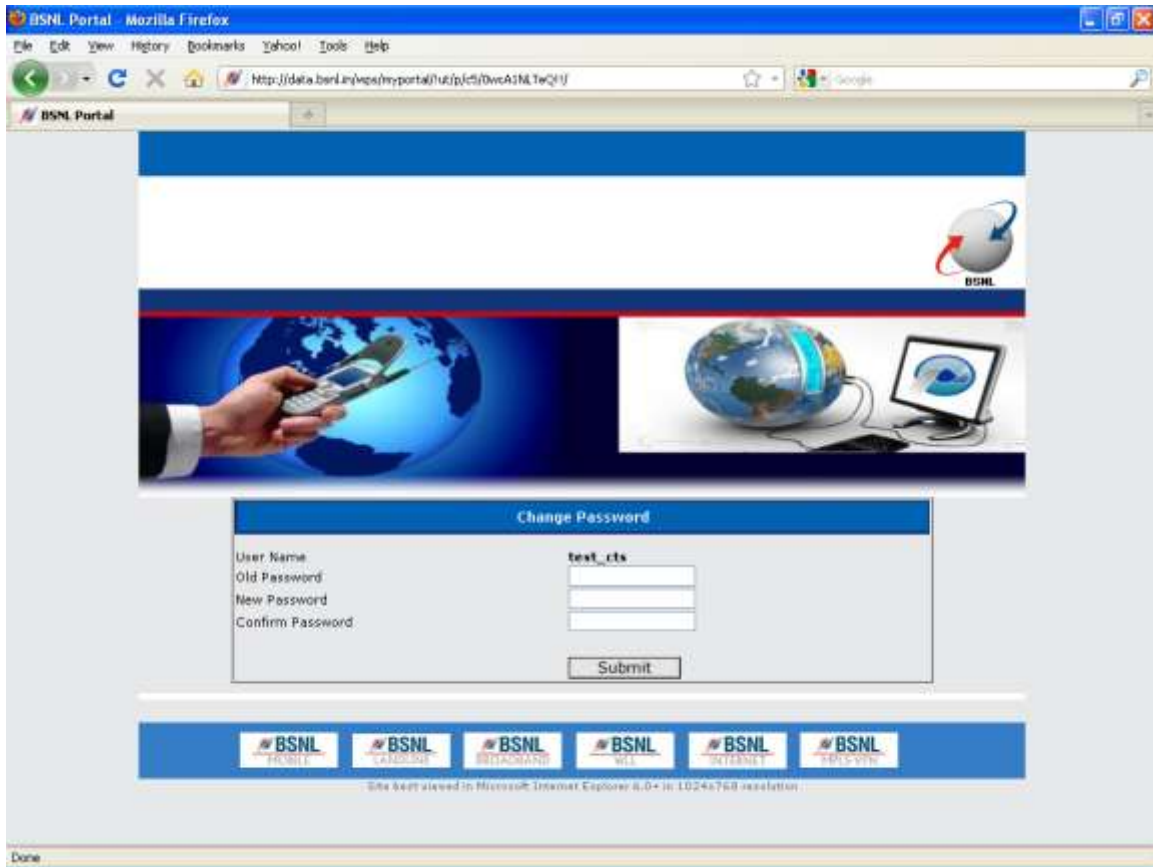
SANCHARNET CUSTOMER SELF CARE
[URL of New Portal <http://data.bsnl.in>]

Viewing Service Details

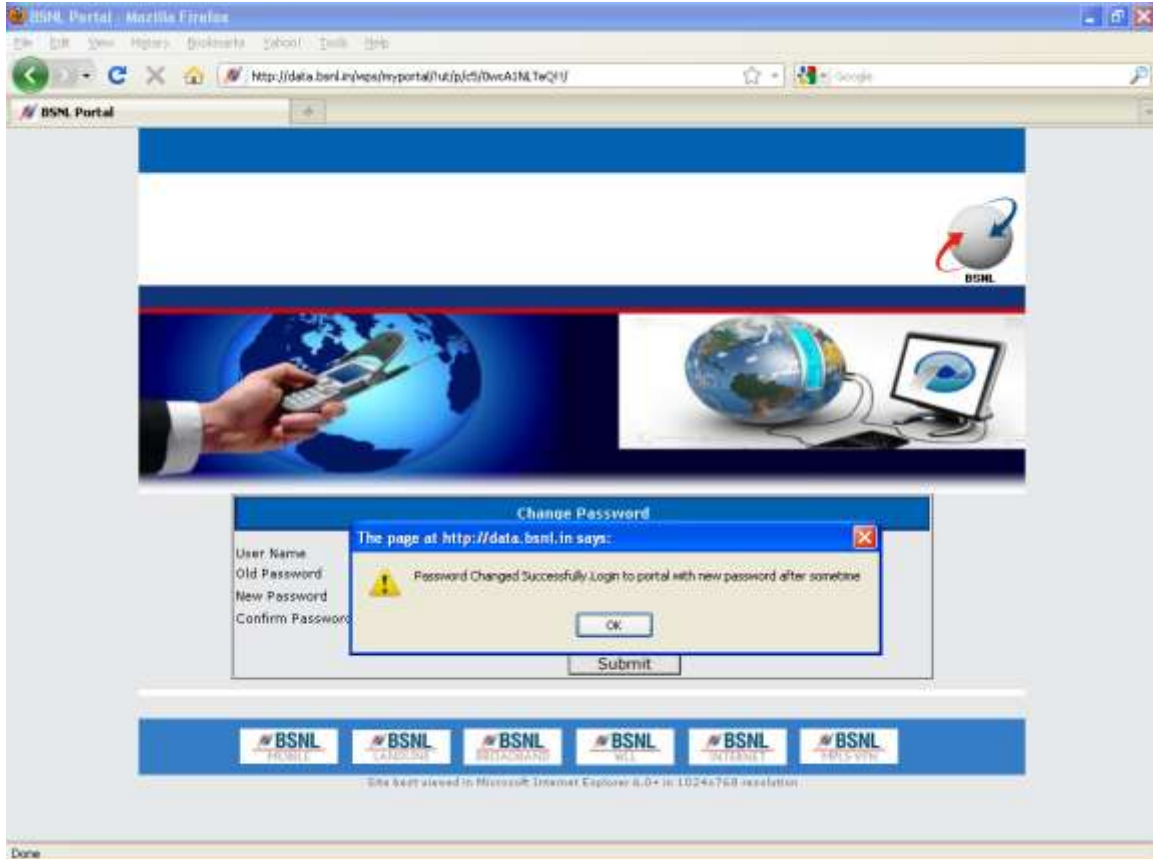
1) Login with customer portal userID and password



In the next page user will be forced to change password.



Enter old password and New Password. After submit a message will appear.



Login again with new password after some time.

BSNL Portal Mozilla Firefox

http://data.bsnl.in/vea/portal/ut/p/c/04_5B8k2dLMMW55rPy8rBz9QJ_89FTUFP_SEv2C

Corporate Services BSNL Links Directory Services Application Forms

BHARAT SANCHAR NIGAM Ltd.

10 folder.
2010 folder.
SEP2010 folder.
days for the Broadband accounts which are activated from 15/09/2010 to 15/11/2010.

BSNL News

Any Questions? Need Help? Contact

Post-Paid services :
DataOne, NetOne, MPLS-VPN, Internet Leased Line, Wi-Fi, Web Hosting, Web Colocation, Message Hosting, Dial VPN

Pre-paid services :
DialUp PSTN, DialUp ISDN, Wi-Fi

BSNL MOBILE BSNL LANDLINE BSNL BROADBAND BSNL WI-FI BSNL INTERNET BSNL PRE-PAID

Site Best viewed in Microsoft Internet Explorer 6.0+ in 1024x768 resolution

http://data.bsnl.in/vea/portal/ut/p/c/04_5B8k2dLMMW55rPy8rBz9QJ_89FTUFP_SEv2C_SewG4SRw6Tcc8DAw69jw6D1yDTM89AAx0DA18z_XCQ2NHAz2A0LDfD2FYQYwBQC2sargfB3fE3j3dM3EvUJk2Sh...

BSNL Portal Mozilla Firefox

http://data.bsnl.in/vea/myportal/ut/p/c/0vca21M7wQ1f

Home Sitemap Email Logout

Corporate Services BSNL Links Directory Services Application Forms

Welcome dnu test
Logged in Time October 29, 2010 12:21 PM

Profile PostPaid Orders PrePaid Services Manage Passwords

Welcome To BSNL SelfCare Portal

Dear customer you can do the below activities in selfcare portal.

- View Your Profile
- Change Your Portal User ID
- Change Your Portal Password
- Track Your Portal Order
- View Your PostPaid Usages

Done

2) Select 'Prepaid Service'

BSNL Portal Mozilla Firefox

http://data.bsnl.in/psa/myportal/ut/p/cf/04_5B9K2oLLMFM3ePyt8z8rCP0e3Gdd8TDi

BSNL Portal

Home Sitemap Email Logout

Corporate Services BSNL Links Directory Services Application Forms

Welcome test test
Logged in Time November 2, 2010 1:10 PM

Profile PostPaid Orders PrePaid Services PostPaid Services Manage Passwords

My Services My Services

Voucher Verification

Recharge

Service User ID : test_cts@sancharnet.in

Select Type Of Service to be viewed: Balance Enquiry

View Reset

BSNL BSNL BSNL BSNL BSNL BSNL

Site best viewed in Microsoft Internet Explorer 6.0+ in 1024x768 resolution

3) Select 'select Type of Service to be viewed' as Balance Inquiry from dropdown and click on View

BSNL Portal Mozilla Firefox

http://data.bsnl.in/psa/myportal/ut/p/cf/04_5B9K2oLLMFM3ePyt8z8rCP0e3Gdd8TDi

BSNL Portal

Corporate Services BSNL Links Directory Services Application Forms

Welcome dnu test
Logged in Time October 29, 2010 12:25 PM

Profile PostPaid Orders PrePaid Services PostPaid Services Manage Passwords

My Services My Services

Voucher Verification

Recharge

Service User ID : dntest1@sancharnet.in

Select Type Of Service to be viewed: Balance Enquiry

View Reset

Plan Name: Sancharnet PSTH Corporate

Current Balance(in Minutes)	End Date
60000	07-FEB-11 10:53:21

BSNL BSNL BSNL BSNL BSNL BSNL

Site best viewed in Microsoft Internet Explorer 6.0+ in 1024x768 resolution

- 4) Select 'select Type of Service to be viewed' as "Billing Transaction History" from dropdown and click on View

The screenshot shows the BSNL Portal interface in Mozilla Firefox. The user is logged in as 'dnu test' on October 29, 2010 at 12:26 PM. The page features a navigation menu with 'Profile', 'PostPaid Orders', 'PrePaid Services', 'PostPaid Services', and 'Manage Passwords'. The 'My Services' section is active, displaying a form with 'Service User ID' set to 'dnu test1@sancharnet.in' and 'Select Type Of Service to be viewed' set to 'Billing Transaction History'. Below the form is a table for 'Plan Name: Sancharnet PSTN Corporate'.

Activity	Duration(in Minutes)	Start Time
Initial Balance	60000	21-SEP-10 16:12:48

Showing 1 - 1 of 1. Show per page: 10 ALL.

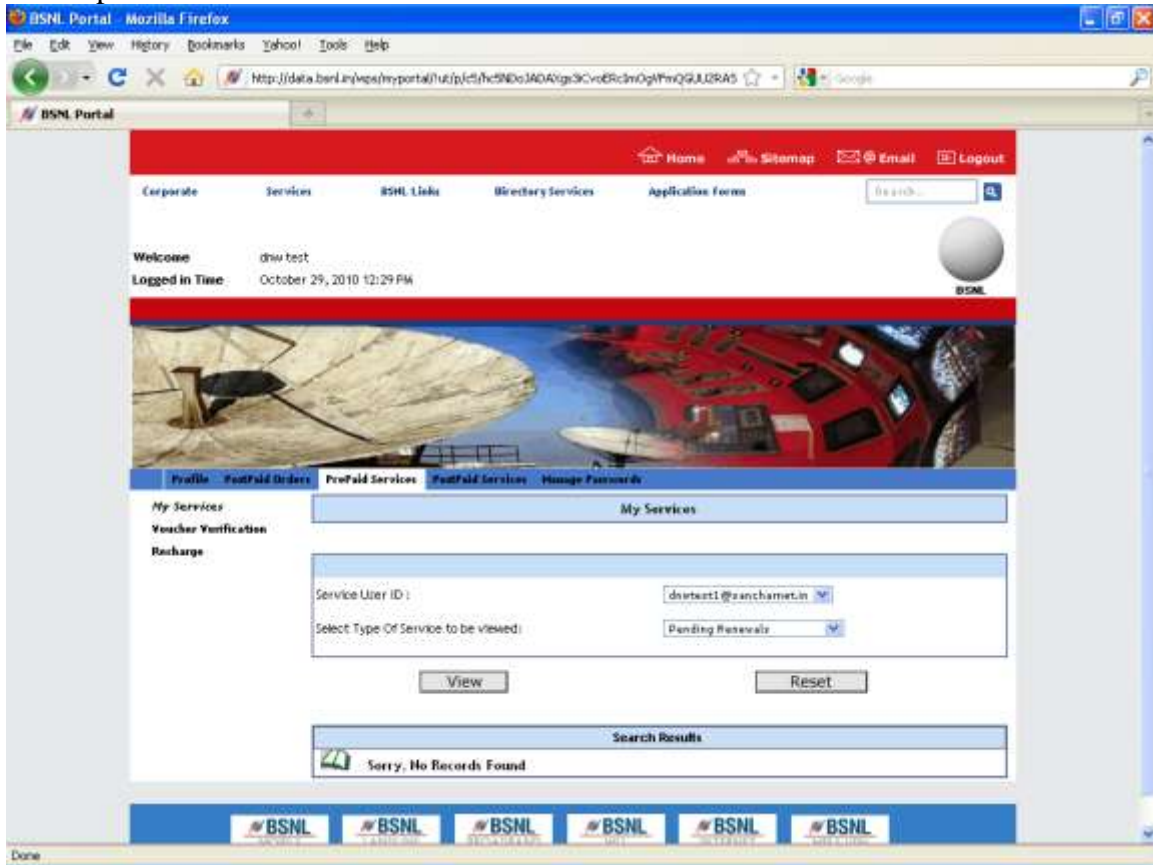
- 5) Select 'select Type of Service to be viewed' as Usage Details from dropdown and click on View

The screenshot shows the BSNL Portal interface in Mozilla Firefox. The user is logged in as 'dnu test' on October 29, 2010 at 12:28 PM. The page features a navigation menu with 'Corporate', 'Services', 'BSNL Links', 'Directory Services', and 'Application Forms'. The 'My Services' section is active, displaying a form with 'Service User ID' set to 'dnu test1@sancharnet.in' and 'Select Type Of Service to be viewed' set to 'Usage Details'. Below the form is a 'Search Results' section.

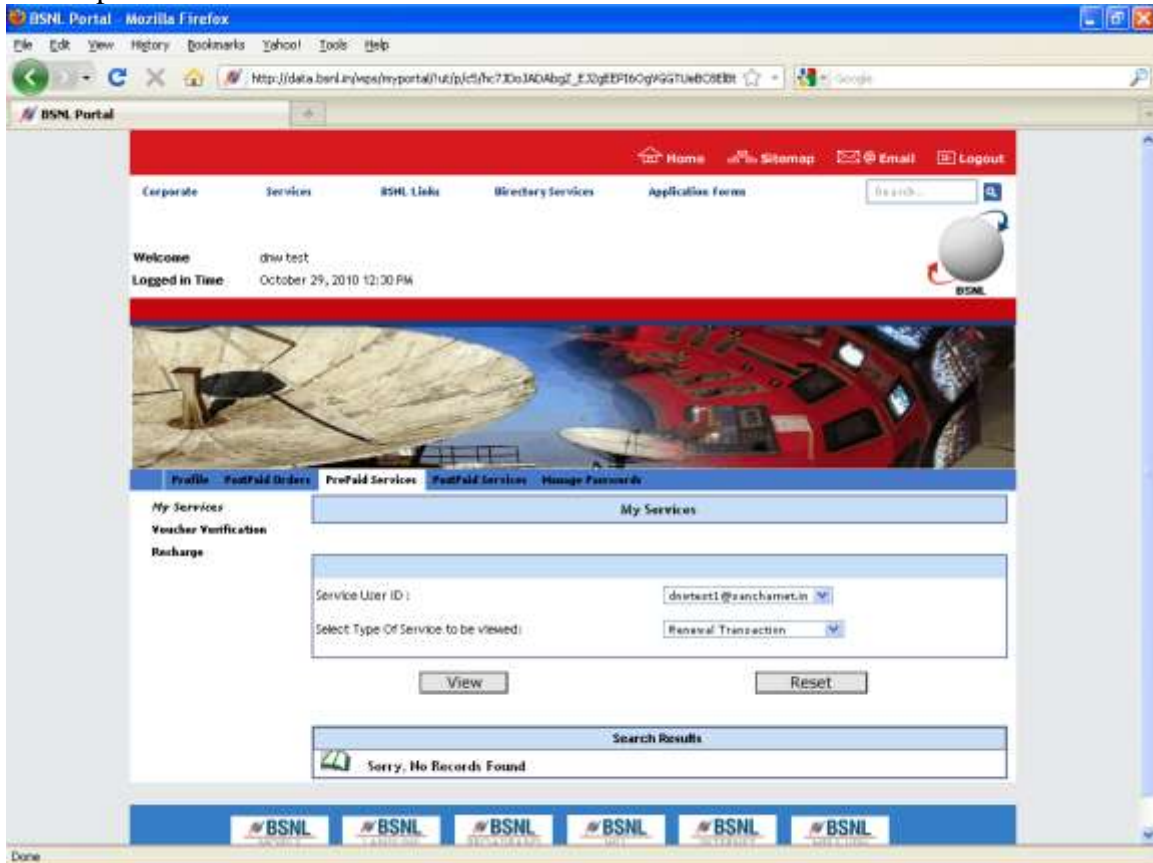
Search Results

Sorry, No Records Found

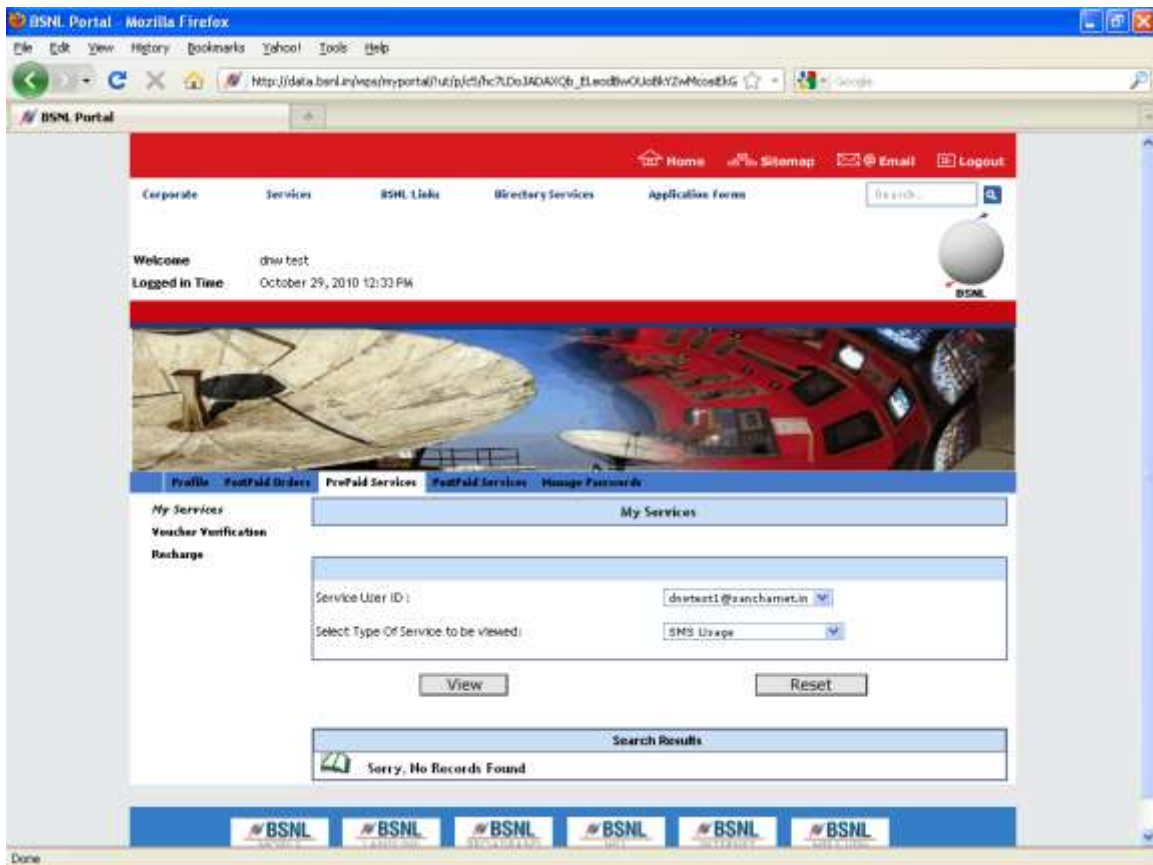
7) Select 'select Type of Service to be viewed' as Pending Transaction from dropdown and click on View



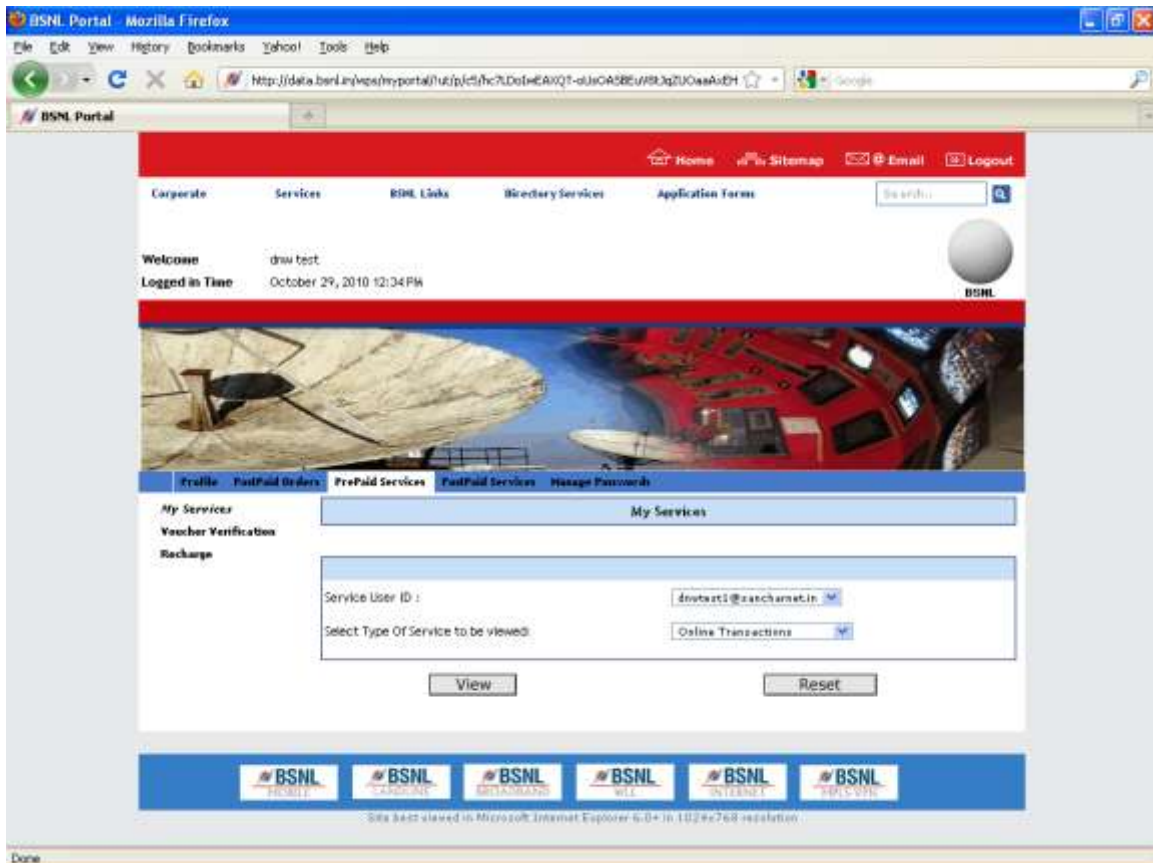
8) Select 'select Type of Service to be viewed' as Renewal Transaction from dropdown and click on View



9) Select 'select Type of Service to be viewed' as SMS Usage from dropdown and click on View

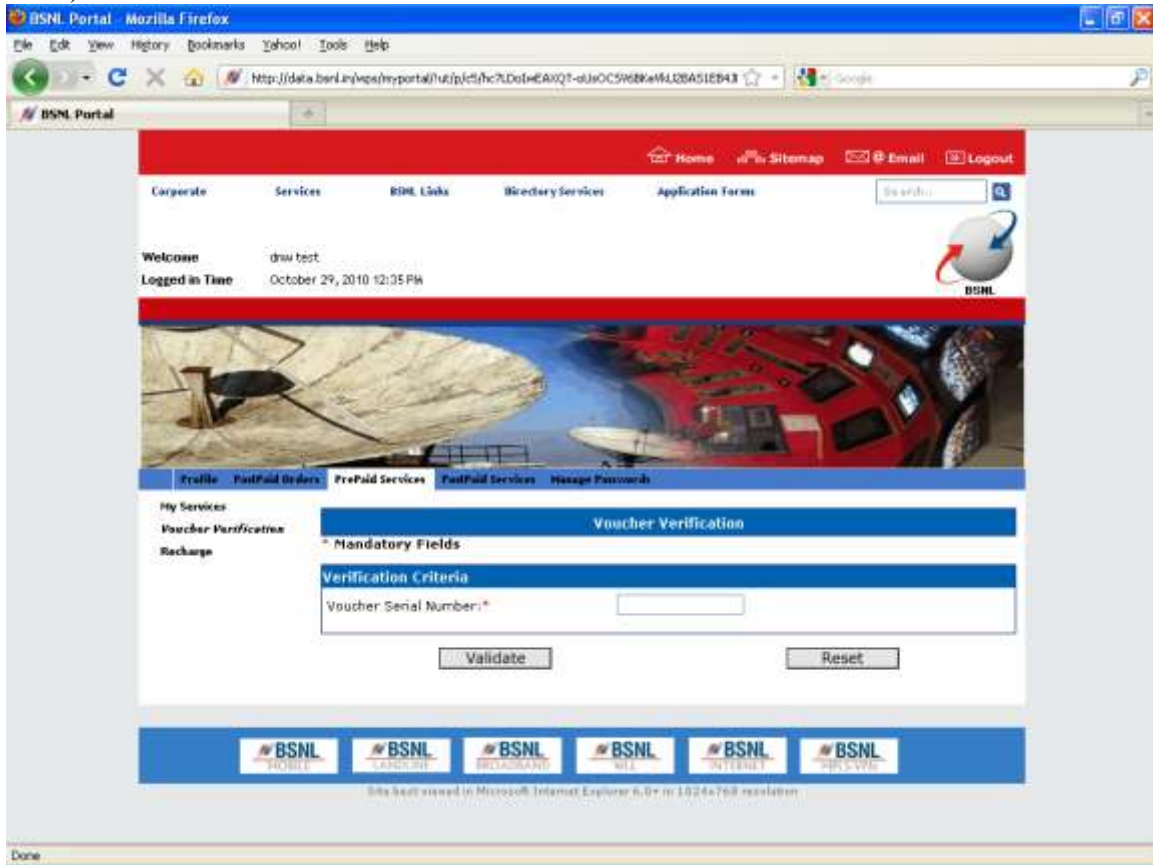


9) Select 'select Type of Service to be viewed' as Online Transactions from dropdown and click on View

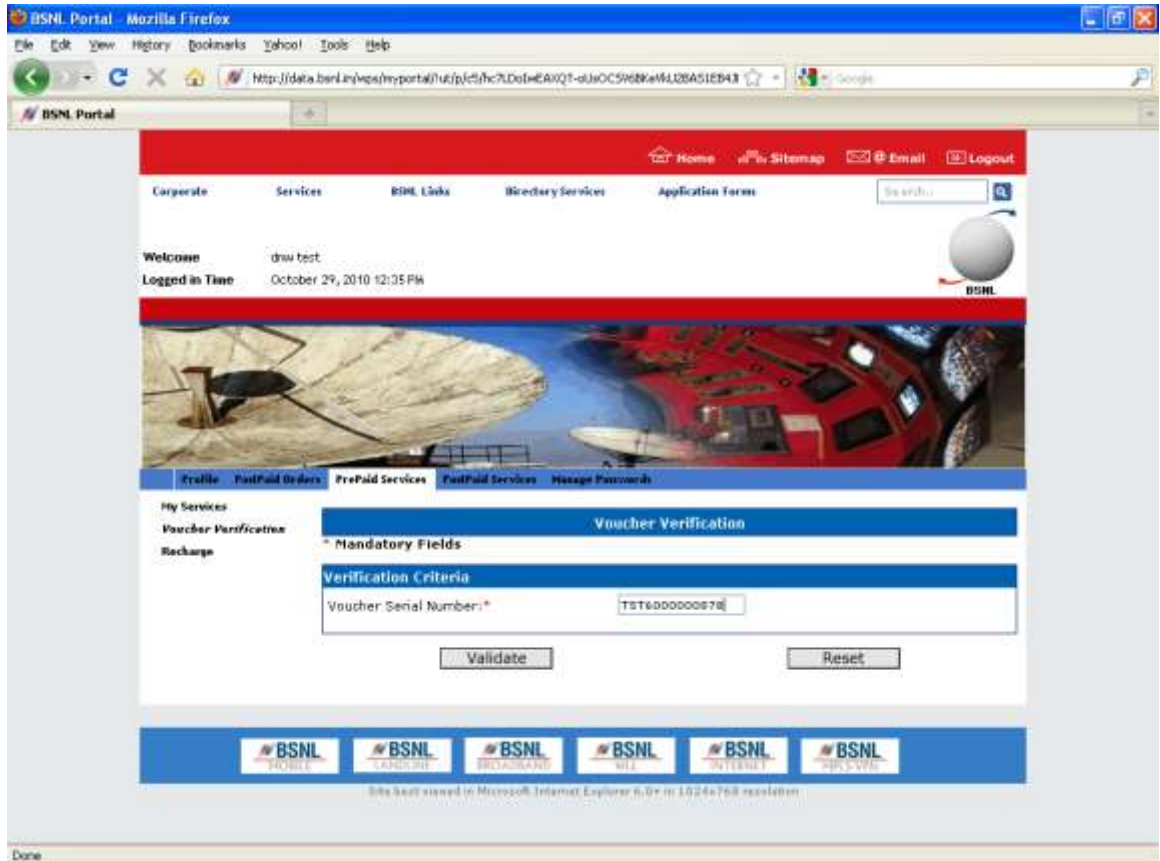


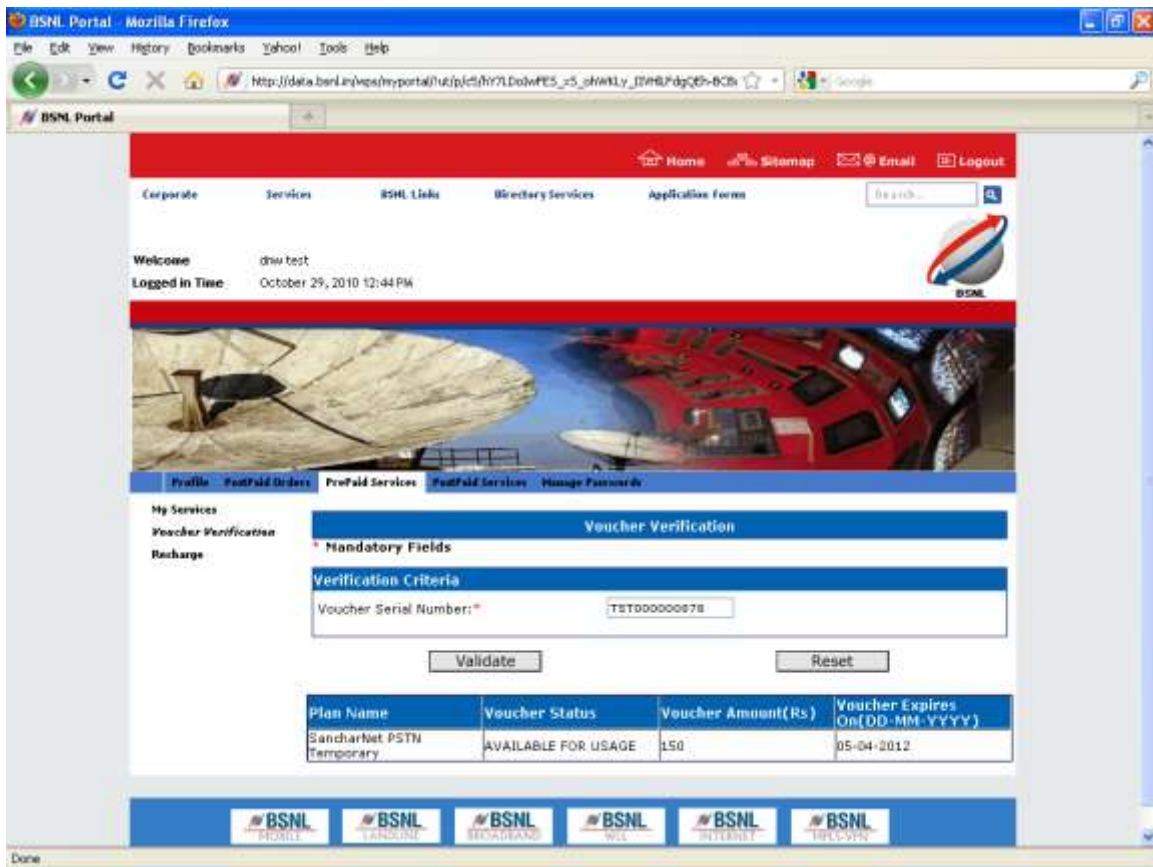
RECHARGE

1) Click on Voucher Verification.

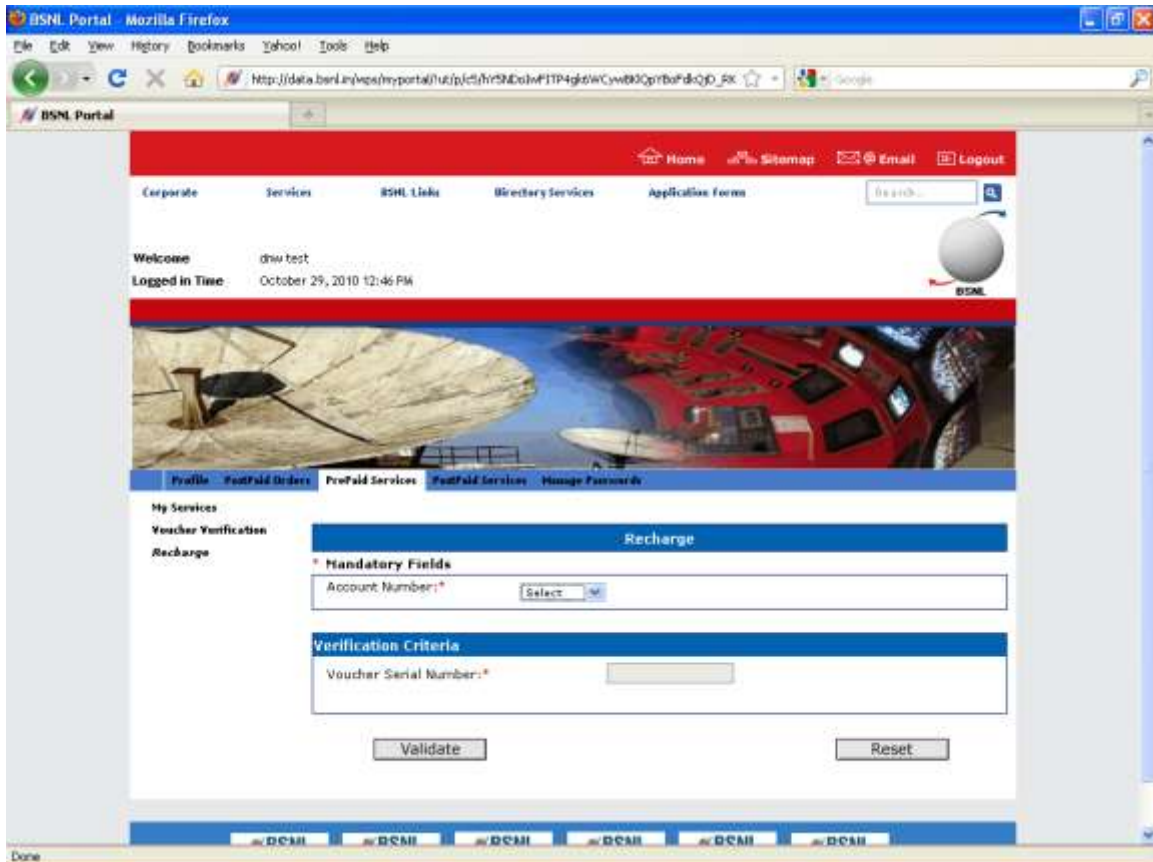


2) Enter voucher serial number and click on validate

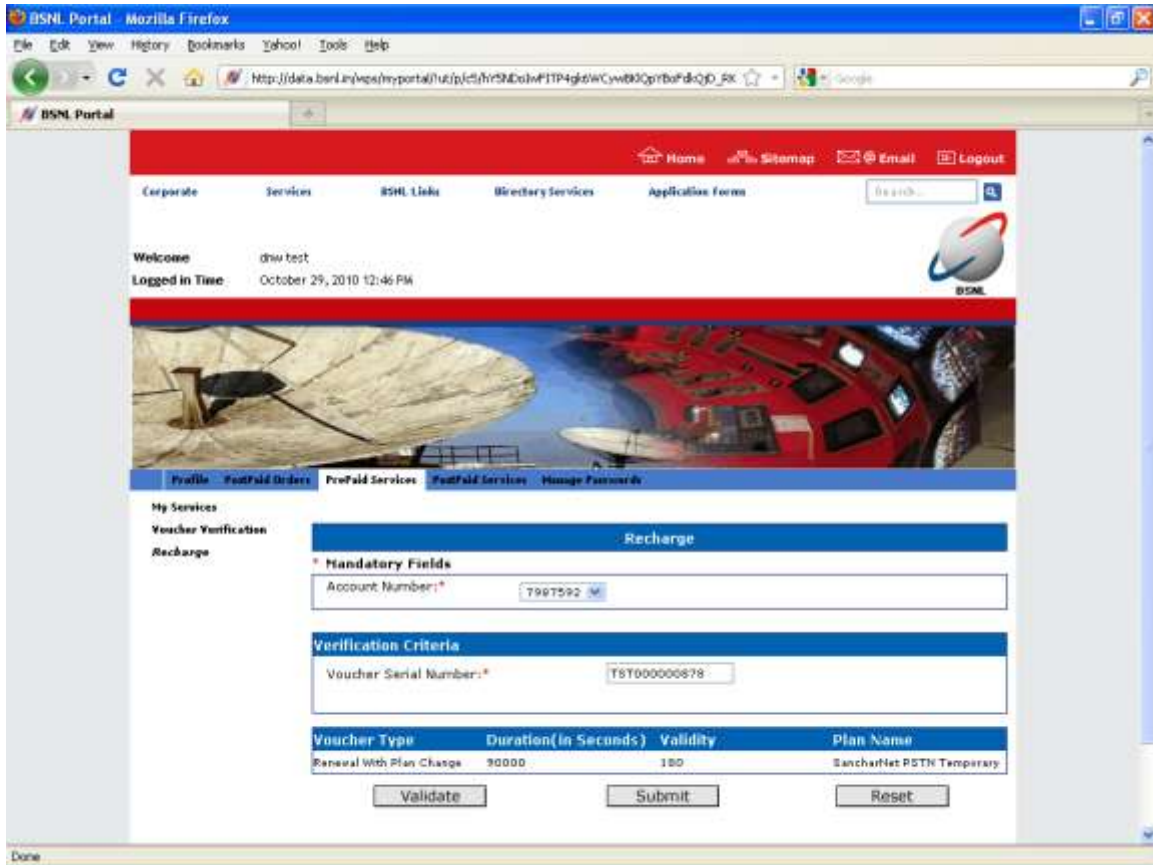




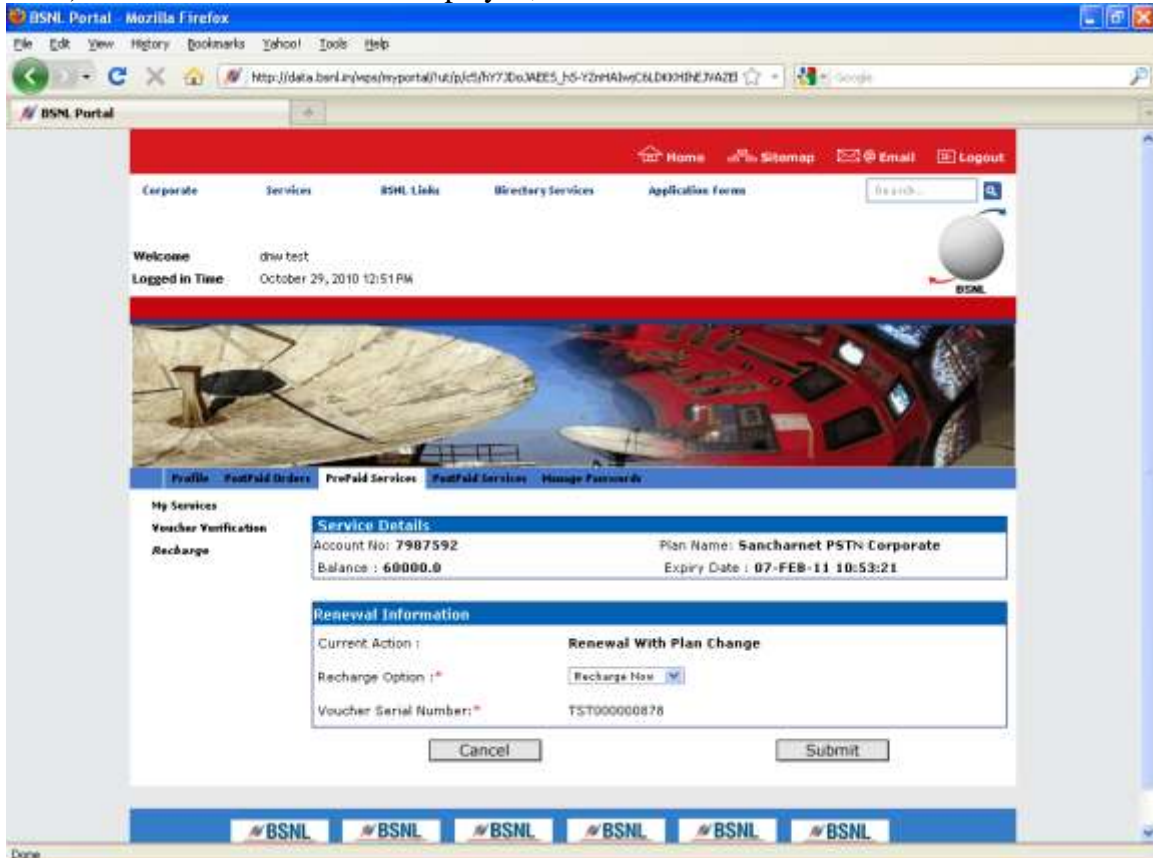
3) Now Select “Recharge” Option



- 4) Select “Account Number” and “Voucher Serial Number” from drop down and click on Validate



- 5) Voucher details will be displayed, click on submit.



6) Select 'recharge Option' as Recharge Now or Recharge Later from dropdown and click on Submit.

* Recharge Now means new package will take effect immediately and Recharge Later means Advance Renewal which takes effect after your current package will expire.

The screenshot shows the BSNL Portal interface in a Mozilla Firefox browser. The page title is "BSNL Portal" and the URL is "http://data.bsnl.in/bsnl/myportal/uc/p/c/1/1/3/00NAPR_53_8HbcufcQvabvneJFXZ1D". The browser's address bar shows the URL. The page has a red header with navigation links: Home, Sitemap, Email, and Logout. Below the header, there are tabs for Corporate, Services, BSNL Links, Directory Services, and Application Form. A search bar is also present. The main content area shows a welcome message for "dnw test" logged in on October 29, 2010 at 12:54 PM. Below this is a banner image of a satellite dish and a red train. The page has a blue navigation bar with links: Profile, PostPaid Orders, PrePaid Services, PostPaid Services, and Manage Passwords. The "My Services" section is active, showing "Voucher Verification" and "Recharge". The "Service Details" form is displayed, containing the following information:

Telephone No:	11 - 23755208	ServiceUserId :	dnwtest1@sancharnet.in
Selected Email Ids :	1. dnwtest1@bsnl.in		
Existing Plan Name :	Sancharnet_PSTN_Corporate		
New Plan Name :	Sancharnet_PSTN_Temporary Plan Rate(In Rs): 150		
PIN No:*	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		

At the bottom of the form, there are two buttons: "Select" and "EmailID". Below the "EmailID" button, the email address "dnwtest1@bsnl.in" is displayed.

7) Enter PIN no. email id if extra email available in new plan and click on Submit

The screenshot shows the BSNL Portal interface in a Mozilla Firefox browser window. The browser's address bar displays the URL: http://data.bsnl.in/ps/myportal/ut/p/c/5/e_NDowD4fwZ_E3YmCOsRxCYAcDd2PHz2Bo. The page features a red header with navigation links: Home, Sitemap, Email, and Logout. Below the header, there are menu items for Corporate, Services, BSNL Links, Directory Services, and Application Forms, along with a search bar. A welcome message is displayed: "Welcome drw test" and "Logged in Time October 29, 2010 11:13 PM". A large banner image shows a satellite dish and a control room. A blue navigation bar contains links for Profile, PostPaid Orders, PrePaid Services, PostPaid Services, and Manage Passwords. The main content area is titled "Prepaid Recharge" and shows a confirmation message: "Recharge is done successfully. The duration added is 1000.0 Hours and is valid till 28-10-2012". A "Back" button is located below the message. At the bottom, there are logos for BSNL Mobile, Landline, Broadband, WLL, Internet, and Prepaid. The footer text reads: "Site best viewed in Microsoft Internet Explorer 6.0+ in 1024x768 resolution". The browser's status bar at the bottom shows "Done".

Voucher Management System

Privileges, Life Cycle & Process Flow

(Voucher Generation, Voucher Printing &
Sale of Vouchers)

Contents

- ❖ **What is a Voucher**
 - ❖ **Voucher Attributes**
 - ❖ **Voucher Flow**
 - ❖ **Voucher Life Cycle**
- ❖ **Admin Console and Functionalities**
 - ❖ **Geographies of Users**
 - ❖ **Users Roles**
 - ❖ **Circle Management**
 - ❖ **Node Management**
 - ❖ **Service Centre Management**
 - ❖ **User Management**
 - ❖ **Plan Management**
 - ❖ **Package plan**
 - ❖ **Cash plan**
 - ❖ **PSN/PIN Configuration**
- ❖ **Operator Console and Functionalities**
 - ❖ **Voucher Generation**
 - ❖ **Self Printing**
 - ❖ **Third Party Printing**
 - ❖ **Stock Transfer**
 - ❖ **Stock Management**
 - ❖ **Sale of Vouchers**
 - ❖ **Invoice Generation**
 - ❖ **Reports**
- ❖ **System Architecture**

Voucher Attributes – Customer

- 1) **PSN (Print Sequence Number)**
- 2) **PIN (Personal Identification Number)**
- 3) **Name of the voucher**
- 4) **Expiry Date (Shelf Life of Voucher)**

- **PSN (Print Sequence Number)** – A unique number that represents a voucher in VMS.
Example: BGL000001352

Prefix representing that this voucher belongs to SSA Bangalore (Length min-3 max-24)	A serial number (Length min-6 max-27)	Total length
BGL	000001352	min-9 max-30

- **PIN (Personal Identification Number)** – A secret Hexadecimal key used to authenticate the voucher. Note that this key is generated in runtime and is nowhere stored in the system but only on the voucher.
Example: D54B5D127617A63A8146
- **Name of the voucher** – Specifies a name to the voucher with respect to type of voucher.
Example:
Sancharnet PSTN Corporate
- **Expiry Date (Shelf Life of Voucher)** – Specifies the maximum date the voucher can be stored without using. After this date crosses the voucher will no longer be usable.

Voucher Attributes – System

- 1) **Status**
- 2) **Value**
- 3) **Plan ID**
- 4) **Validity in Days**

- **Status** – A single voucher in VMS passes through different statuses in its life cycle. For example,

Description	Status
Newly created	Generated
Available in stock with a Node user	In-Stock
Sold to a customer	Sold-Revenue-Realized
Customer has consumed the voucher	Active

- **Value** – Usable Amount/Value in rupees for the service specified on the voucher
- **Plan ID** – The Plan ID associated with the voucher
- **Validity Period** – This specifies the maximum validity period (in days) for the service which is activated using a voucher

Fields required & available : If Printed using VMS

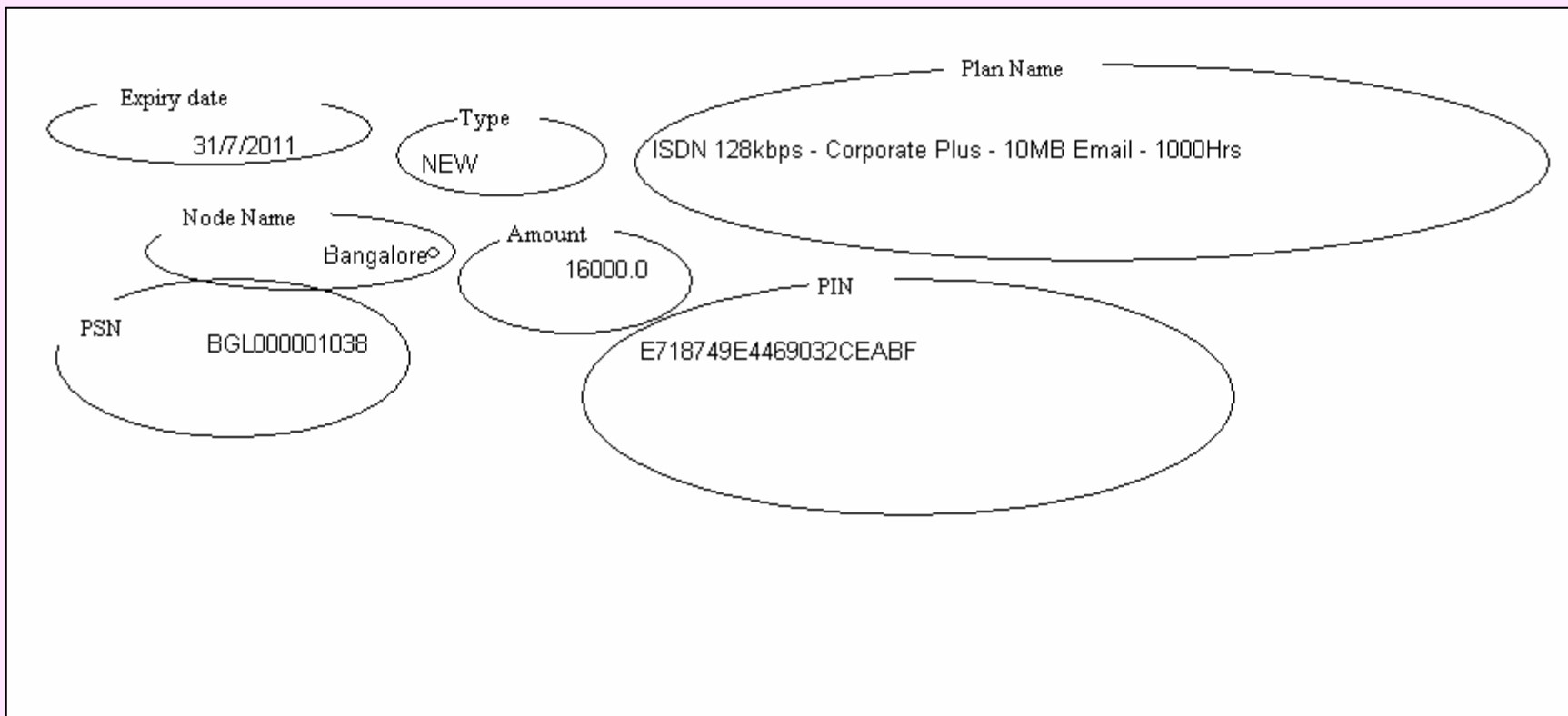
Mandatory Fields

- Voucher Sequence Number
- Secret Code (PIN)
- TYPE (New / Renewal)
- Plan Name
- Denomination
- Expiry date of the voucher
- Name of the Node - where it was printed

Configurable Fields (a few from the list)

- Static Message on the voucher
- Cash / Plan based voucher
- Printed Date
- Circle - where it was printed
- Jurisdiction - where it was printed
- Batch Identification
- Name of the template
- User ID - who printed
- User Name - who printed
- City - where it was printed
- Service tax percentage
- VAT percentage
- Educational Cess percentage
- Service Tax
- VAT
- Educational cess
- Total Tax Amount
- Total Voucher Amount and Tax

Sample fields in Printed Voucher : Printed using VMS

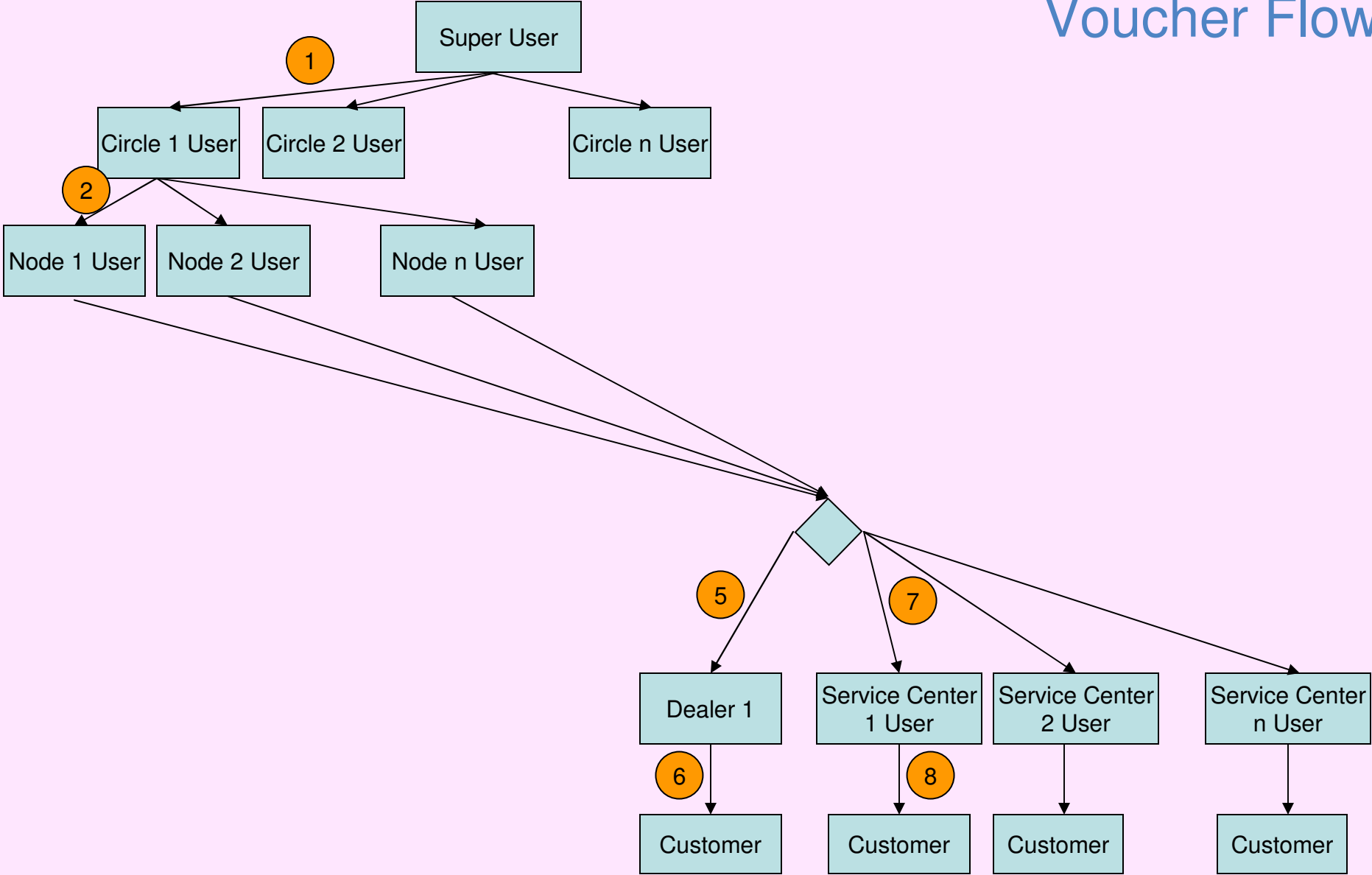


Voucher Flow

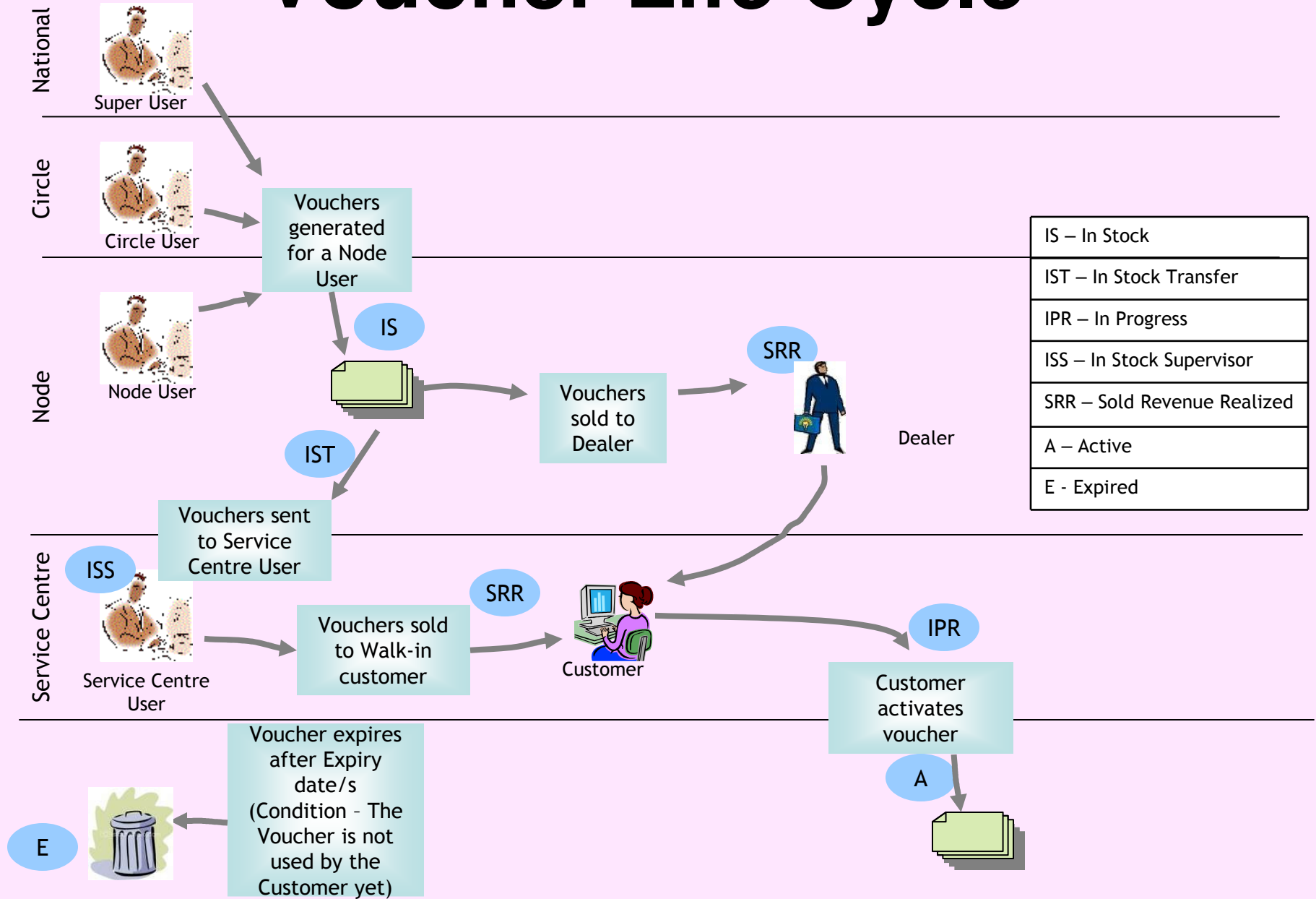
- 1) Super user has the right to generate vouchers on behalf of any Node user below his hierarchy (via a Circle).
- 2) Circle user has the right to generate vouchers on behalf of any Node user below his hierarchy.
- 3) Node user has the right to generate vouchers in encrypted electronic form and passes the data to a third party printer.
- 4) Third Party Printer prints the physical vouchers and sends the acknowledgement back to Node user. Now the physical vouchers reside with Third Party. Node user accepts the vouchers and keeps in stock.
- 5) Node user's one choice is to sell the vouchers to any Dealer.
- 6) Dealer sells the vouchers to customers.
- 7) Node user's another choice is to transfer the vouchers to a Service Center User below his hierarchy.
- 8) Service Center User will sell those vouchers to customers.

Note: None of the arrow marks indicates transfer of physical vouchers.

Voucher Flow



Voucher Life Cycle



How to Access VMS Portal

- VMS Portal can be access on a Special Broadband Connection.
- This Broadband Connection Connects User to operation domain.
- No Internet access available to this user.
- Node Incharge will take Operation Domain id from P3 NOC, Bangalore.
- ID is in the form of <user-id>@operation.in
- Once connected, Enter URL <http://10.16.54.14:8080/vms/> in a web browser, e.g. Internet Explorer.



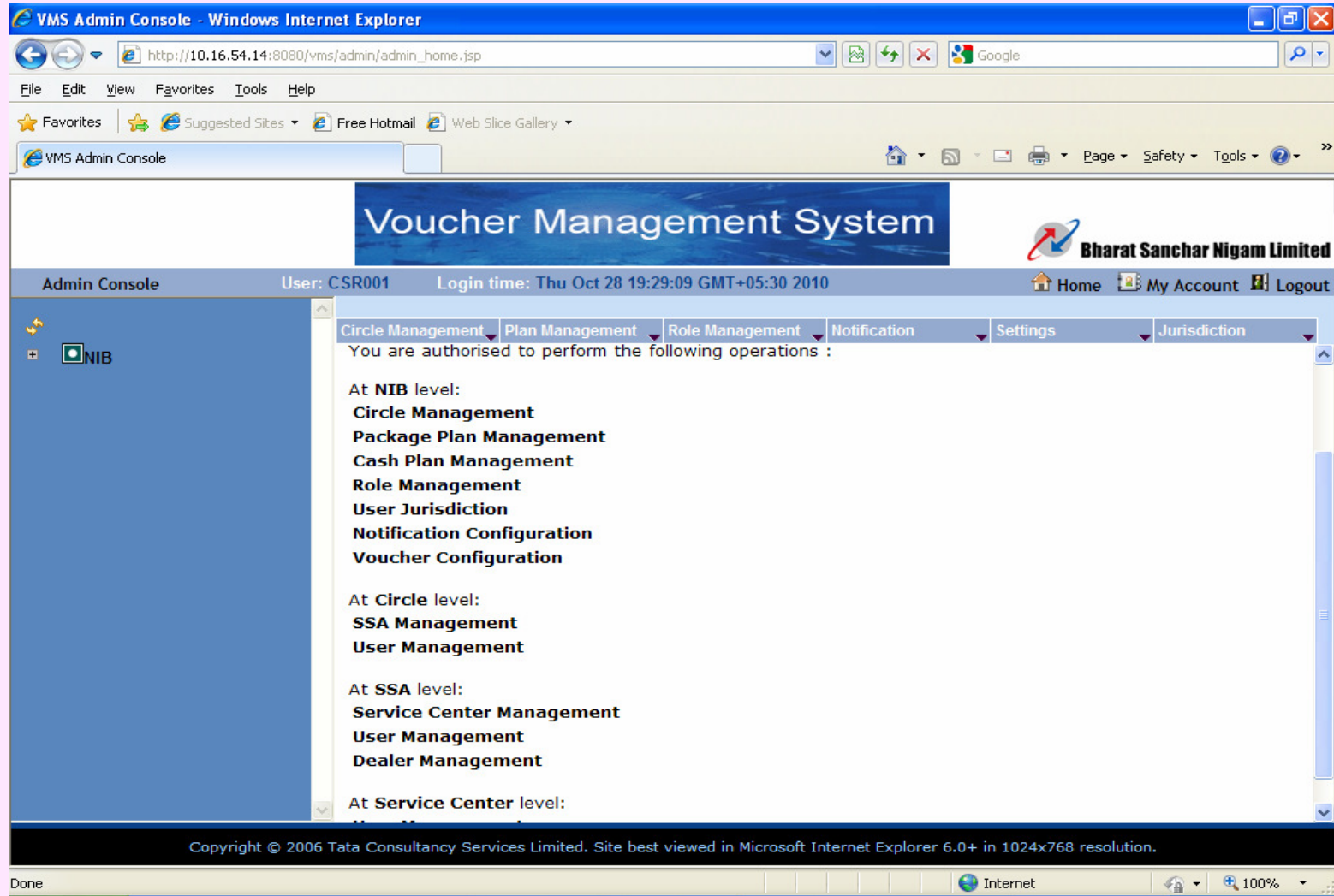
Voucher Management System

Username:

Password:

Console:

Enter User Id & Password Provided For VMS Access
Also Select Access method, i.e. Admin or Operator
Ordinarily you will require only Operator Privilege.



Admin Home Page


VMS Operator Home - Windows Internet Explorer

http://10.16.54.14:8080/vms/operator/operator_home.jsp

File Edit View Favorites Tools Help

VMS Operator Home

Voucher Management System

 **Bharat Sanchar Nigam Limited**

Operator Console User: CSR001 Login time: Thu Oct 28 19:31:32 GMT+05:30 2010 Home My Account Logout

Generation
Reports

This is the Operator Home page.

You are authorised to perform the following operations:

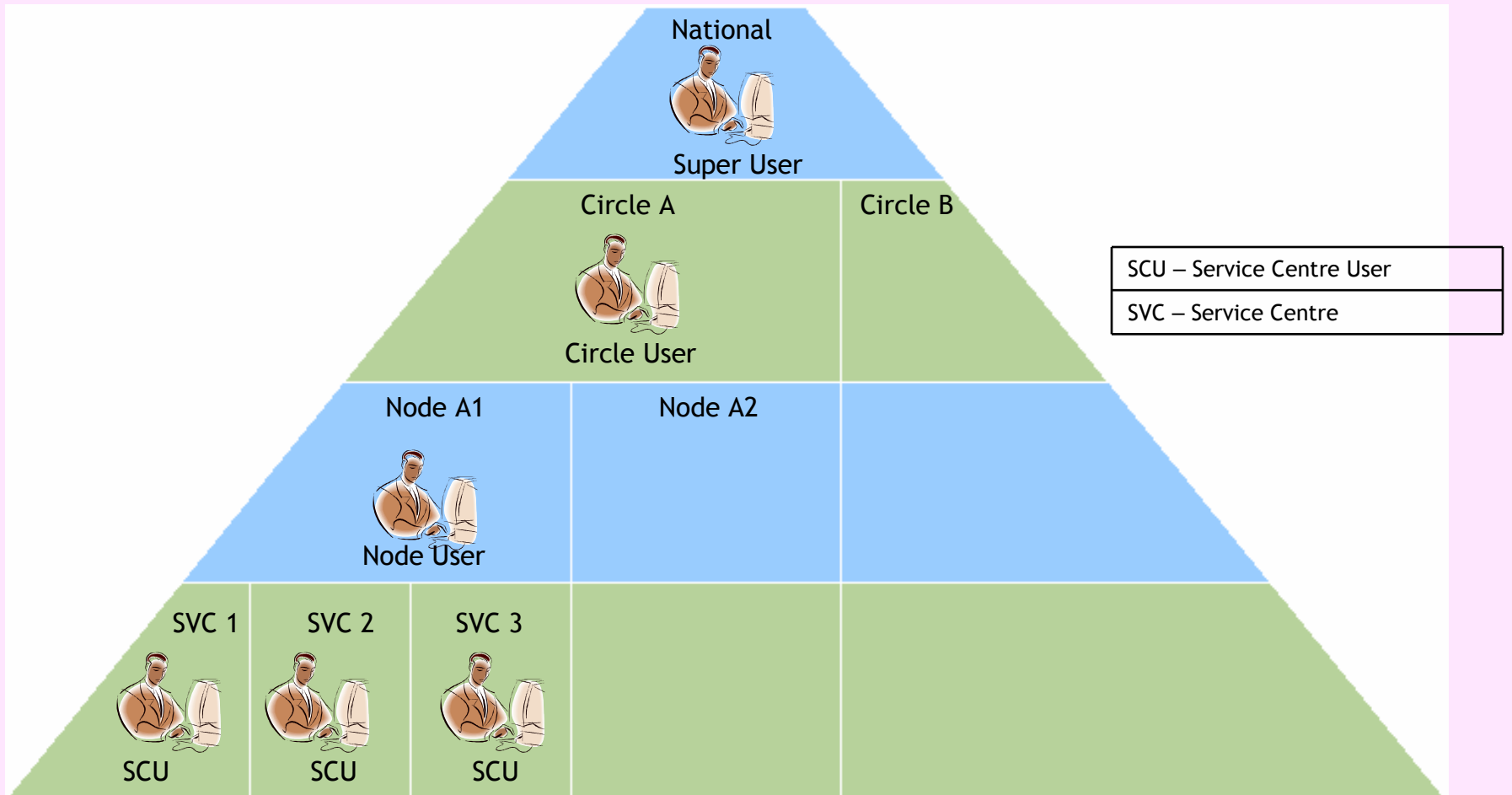
**Generation
Reports**

Copyright © 2006 Tata Consultancy Services Limited. Site best viewed in Microsoft Internet Explorer 6.0+ in 1024x768 resolution.

Done Internet 100%

Operator Home Page

Geographies of Users



Admin Console and Functionalities

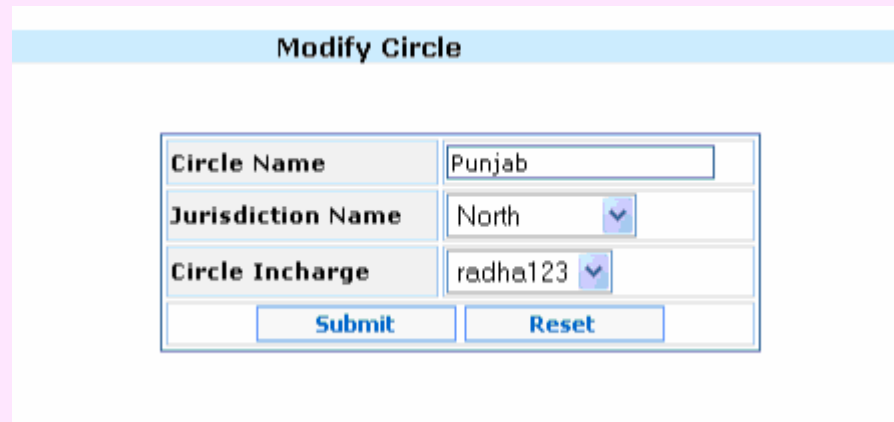
- **Geographies of Users**
- **Users Roles**
- **Circle Management**
- **Node Management**
- **Service Centre Management**
- **User Management**
- **Plan Management**
- **PSN/PIN Configuration**

User Roles and Privileges

Roles	Admin Privileges	Operator Privileges
Super User	At the Circle level and other System configurations	Generation Reports
Circle User	At the SSA level	Generation Reports
Node User	At the Service Centre level	Generation Stock Transfer Stock Management Sale of Vouchers to Dealers Reports
Service Centre User	No admin privileges	Stock Transfer Stock Management Sale of Vouchers to Customers

Circle Management

- **Create Circle**
- **Circle Modification**
- **View Circle**
- **Delete Circle**



The screenshot shows a web form titled "Modify Circle". It contains three input fields: "Circle Name" with the value "Punjab", "Jurisdiction Name" with a dropdown menu showing "North", and "Circle Incharge" with a dropdown menu showing "radha123". Below the fields are two buttons: "Submit" and "Reset".

Modify Circle	
Circle Name	<input type="text" value="Punjab"/>
Jurisdiction Name	<input type="text" value="North"/>
Circle Incharge	<input type="text" value="radha123"/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Note:

- A Circle could be like: Karnataka, Kerala, Punjab etc.
- Only Super-User has these privileges.

Node Management

- Node Creation
- View Node
- Modify Node
- Node Deletion
- Modify Taxes

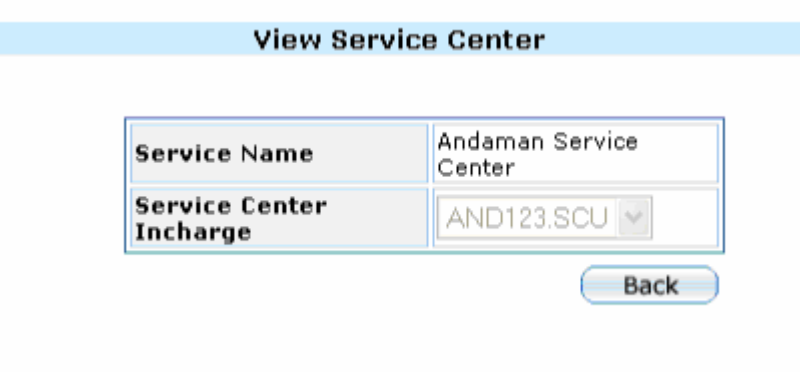
Modify SSA	
SSA Name	Port Blair
PSN Prefix	PBL
SSA Incharge	andamanNU ▾
Service Tax(%)	12
VAT(%)	0
Educational Cess(%)	3
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

Note:

- A Node could be like: Bangalore, Hubli, Mysore etc.
- Only Super-User and Circle-User has these privileges.

Service Centre Management

- Create Service Centre
- Modify Service Centre
- View Service Centre
- Delete Service Centre



The screenshot shows a web interface titled "View Service Center". It contains two input fields: "Service Name" with the value "Andaman Service Center" and "Service Center Incharge" with a dropdown menu showing "AND123.SCU". A "Back" button is located at the bottom right of the form.

View Service Center	
Service Name	Andaman Service Center
Service Center Incharge	AND123.SCU

Back

Note:

- A Service Centre could be like: K.R.Puram, Frazer Town etc.
- Super-User, Circle-User and Node-User has these privileges.

User Management

- **User Creation**
- **View User**
- **Modify User**
- **User Deletion**
- **Set Password**

Note:

- A User could be like: User1, User2 etc. And every user is associated with a role.
- User Management is applied for all kinds of users except Super-User
- This privilege is available to the users on the users who are below their hierarchical level.

User Management continued.. User Creation

Circle: Andaman and Nicobar Ssa: Port Blair

Service Center Dealer Management User Management

Create User

User Name *	<input type="text"/>
Role *	-Select One- ▾
Report To *	-Select One- ▾
Max No. of Vouchers	<input type="text"/>
Max Denomination	<input type="text"/>
Maximum Vouchers in a Batch	<input type="text"/>
First Name *	<input type="text"/>
Middle Name	<input type="text"/>
Last Name *	<input type="text"/>
User Designation	<input type="text"/>
Mobile Number	<input type="text"/>
Address	<input type="text"/>
State	<input type="text"/>
Pin Code	<input type="text"/>
Email ID *	<input type="text"/>
Contact Number	Country Area Ph.Number 91 <input type="text"/> <input type="text"/>
Jurisdiction	South East
IP Address	<input type="text"/>

Navigation Panel:

- NIB123
 - Andaman and Nicobar
 - Port Blair
 - Port Blair Urban
 - Andhra Pradesh
 - Assam
 - Bihar
 - Chennai Telecom District
 - Chhattisgarh
 - DNWPUNE
 - Data Networks
 - Eastern Telecom Region
 - Gondwanaland
 - Gujarat
 - Haryana
 - Himachal Pradesh
 - Jammu and Kashmir
 - Jharkhand
 - Karnataka
 - Kerala
 - Kolkata Telecom District
 - Madhya Pradesh
 - Maharashtra

Plan Management

- Create Plan
- View Plan
- Modify Plan
- Delete Plan

Note:

- Only Super-User has this privilege.

Plan Management

- Whenever a new plan (in Portal) is introduced, it has to be first added into the VMS Database manually.
- Every Plan in VMS is linked to a Portal plan and is associated with a Plan ID, Value and Validity Period.

Create Package Plan

Description	<input type="text" value="BB Recharge Super"/>
Billing Package	<input type="text" value="BB Recharge"/>
Value	<input type="text" value="350"/>
Administrative Charge	<input type="text" value="25"/>
Validity Period	<input type="text" value="60"/>
<input type="button" value="Submit"/> <input type="button" value="Clear"/>	

PSN/PIN Configuration

- **PIN Secret Key:** Used for PIN calculation
- **Length of PIN:** Pin length is 20 and it is Non-modifiable
- **Length of PSN Prefix:** Can be from 3 - 24
- **Length of PSN:** Can be from 12 - 30.

Note:

- Only Super-User has this privilege.

Modify Voucher Configuration details

PIN Secret Key	<input type="text" value="ttet"/>
Length of PIN	<input type="text" value="20"/>
Length of PSN Prefix	<input type="text" value="4"/>
Length of PSN	<input type="text" value="24"/>
<input type="button" value="Submit"/> <input type="button" value="Reset"/>	

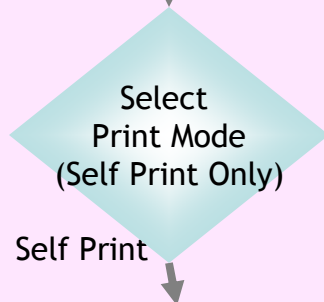
Operator Console and Functionalities

- Voucher Generation
- Stock Transfer
- Stock Management
- Sale of Vouchers
- Invoice Generation
- Reports

Voucher Generation

Details for Generating batch of vouchers:

- Number of vouchers
- Plan (Package Only)
- Expiry date, etc.



Vouchers generated and Printed locally

Printed vouchers are validated and stored into the system

VMS DB

•Printable text can be easily positioned by moving around

Voucher Generation continued...

- **Voucher Type:** Renewal
- **Plan Type:** Package (Cash plan is not supported for Sancharnet)
- **Plan:** Selection from a list of Package Based plans (This list is displayed according to the previous selection). This list is also dependent on the plans associated to the Node User for whom the voucher generation is done.
- **No. of vouchers:** Maximum number is governed by the Max No: of Vouchers set for that Node User
- **Expiry Date:** The expiry date for the batch of cards. This has to be greater than the system date.
- **Card Message:** This is a static message that can be printed on the card.
- **Select Print mode:** Self Printing / Third Party Printing
- **Select Template:** Select a voucher template from the list which defines the voucher fields and their positions. (Currently Only BSNL Template)

Voucher Generation continued...


VMS Operator Home - Windows Internet Explorer

http://10.16.54.14:8080/vms/operator/operator_home.jsp

File Edit View Favorites Tools Help

VMS Operator Home

Voucher Management System

 **Bharat Sanchar Nigam Limited**

Operator Console User: CSR001 Login time: Thu Oct 28 19:40:12 GMT+05:30 2010 Home My Account Logout

Enter information to generate vouchers

Voucher type *	Renewal
Plan type *	Package Plan
Package Plan *	Sancharnet Sancharnet PSTN GoldPass 100MB
No. of Vouchers *	500
Expiry date (dd/mm/yyyy) *	28/04/2012
Card Message	<input type="text"/> 120 characters left
Select Print mode *	Self
Select Template *	BSNL Template

Copyright © 2006 Tata Consultancy Services Limited. Site best viewed in Microsoft Internet Explorer 6.0+ in 1024x768 resolution.

Internet 100%

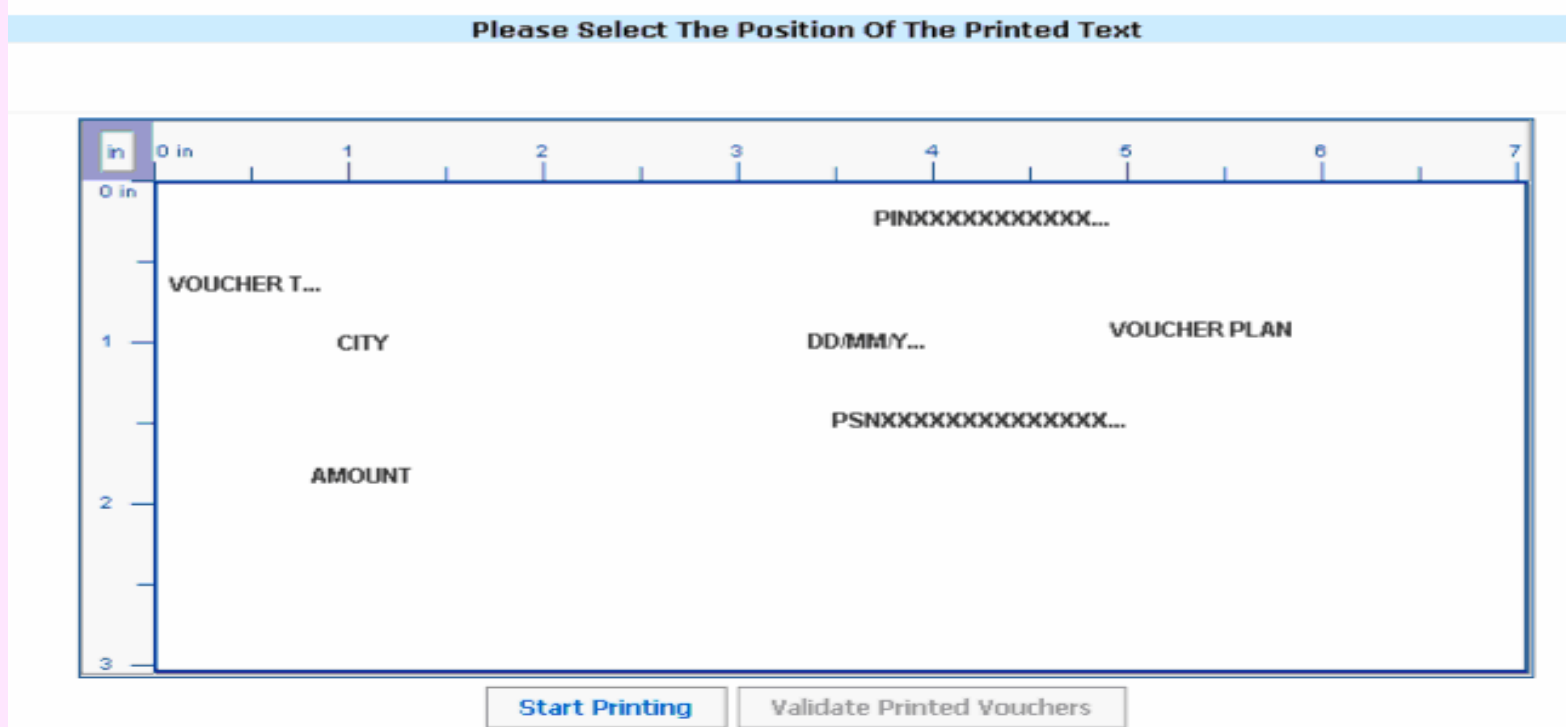
Voucher Generation continued... – Self Printing

[Third Party is Not Supported for Sancharnet]

- **The voucher layout is displayed where the user can change the positions of the voucher parameters.**
- **When the user clicks on the Start Printing button, the vouchers are sent for printing.**
- **After the printing operation is complete, the printed vouchers are validated and stored in VMS.**

Voucher Generation continued... —

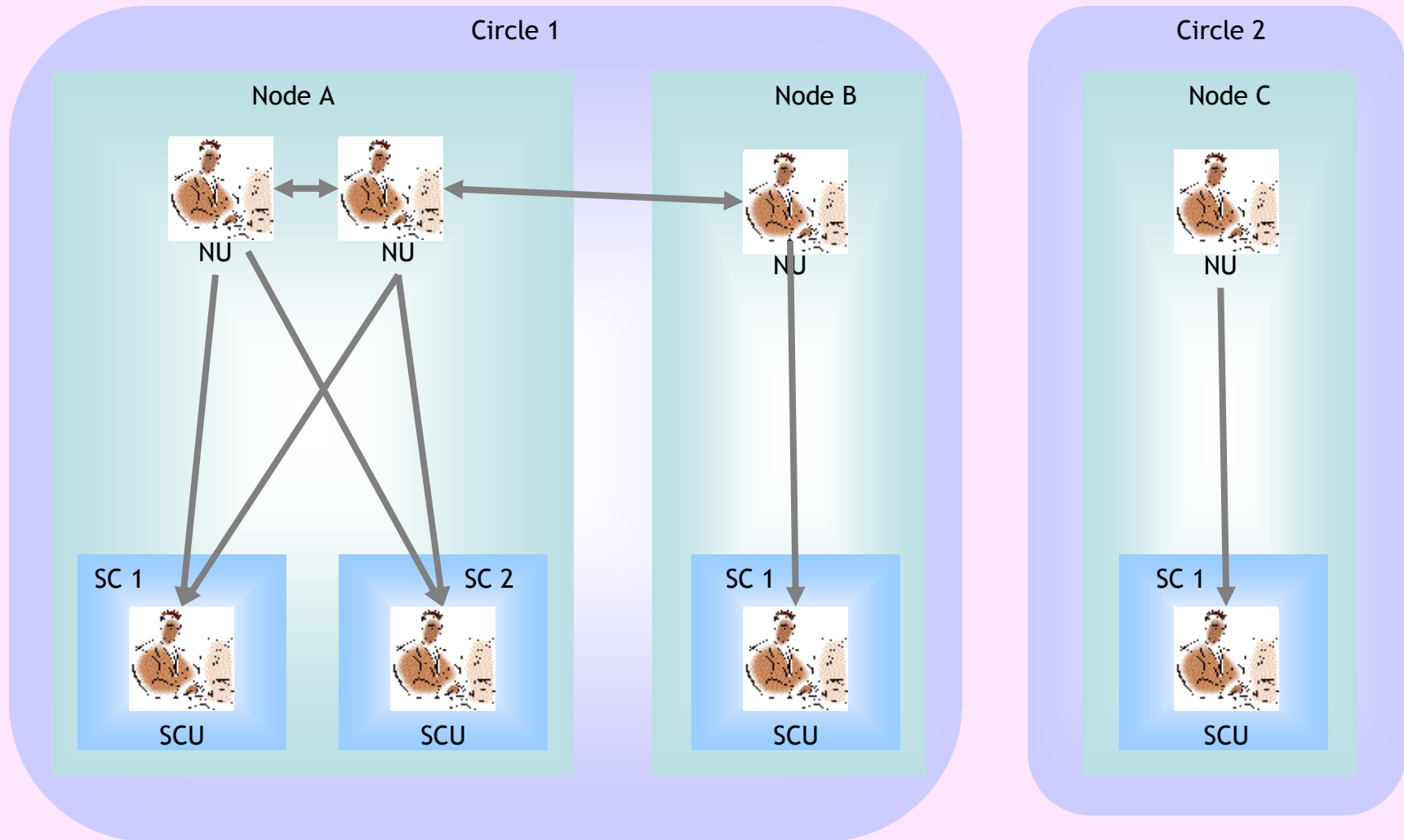
Self Printing



Stock Transfer

- **4 Scenarios:**
 - **Transfer** – Vouchers that are in stock with the users can be transferred to other users
 - **Withdraw** - After transferring stock, the user has the option of withdrawing the transferred batch of vouchers. This can happen only before the receiver of the transferred stock accepts the voucher.
 - **Accept/Reject** - When a batch of vouchers is transferred, the receiver has the option of accepting or rejecting the batch of vouchers.
 - **Return** - After accepting stocks the user has an option of returning the stocks to the sender.

Stock Transfer continued...



Stock Management

- **6 Scenarios:**
 - **Lock/Unlock Vouchers** - If a customer loses the voucher, he has to approach the CSR who will Lock the voucher. Later on the voucher can be unlocked on customer request. – Node User and Service centre user only.
 - **Request for Cancellation** – A voucher can be requested for cancellation when a customer reports that a voucher is not printed properly and is hence not usable. – Service centre user only
 - **Cancel Vouchers** - The vouchers that are requested for cancellation are cancelled after verification - Node User only
 - **Invalidate vouchers** - In stock vouchers can be invalidated which are not printed properly. - Node User only
 - **Extend Vouchers** - In stock vouchers can be extended by giving a new expiry date [increasing shelf life of voucher]. - Node User only
 - **Delete Vouchers** - Invalid vouchers can be deleted - Node User only

Stock Management continued...

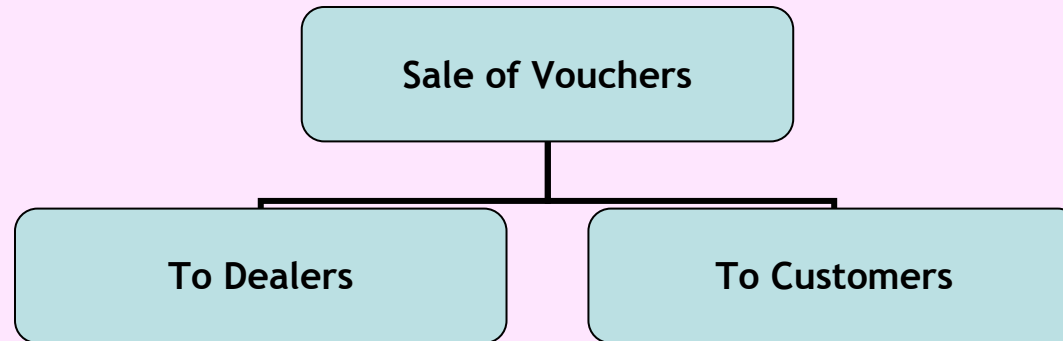
(Screen shot of Invalidate vouchers is given below)

Status Criteria <input checked="" type="checkbox"/> Any status <input checked="" type="checkbox"/> Active <hr/> <input checked="" type="checkbox"/> Sold-Revenue Realized <input checked="" type="checkbox"/> Locked <input checked="" type="checkbox"/> Free <input checked="" type="checkbox"/> Cancellation <input checked="" type="checkbox"/> Cancellation Request <input checked="" type="checkbox"/> Expired	Voucher type <input type="text" value="-select one-"/> Starting PSN <input type="text"/> <input type="text"/> Ending PSN <input type="text"/> <input type="text"/> Date Criteria Creation Date <input type="text" value="Any"/> Expiry Date <input type="text" value="Any"/>
<input type="button" value="Search"/> <input type="button" value="Clear"/>	

Status can not be 'F' or 'SRR' or 'SRNR' or 'A' or 'CR' to do *Mark as Invalid* operation

<input type="checkbox"/>	PSN	Status	Creation Date	Expiry Date	PSN Type
<input type="checkbox"/>	BLR0000000000000000000039	SRR	22/05/2006	30/06/2006	NEW
<input type="checkbox"/>	BLR0000000000000000000040	SRR	22/05/2006	30/06/2006	NEW
<input type="checkbox"/>	BLR0000000000000000000043	SRR	22/05/2006	30/06/2006	NEW

Sale of Vouchers



To Dealers

- The Node User has the privilege of selling vouchers to dealers.
- The list of dealers are configured through ICOMS.
- This dealer will in turn sell the vouchers to customers. Payment method can be through Cash, Credit card or Cheque

Sale of Vouchers

To Customers

- The Service Centre User has the privilege of selling vouchers to customers.
- At first, change the status of vouchers to SRNR before selling.

Name: **Mysore Dealer**
Address: **asddasf**

Plan Name	Price (in Rupees)	Quantity	Amount (in Rupees)
Home1000	250	2	500
Tax Applicable			
Service Tax			50.0
Educational Cess			1.0
Total Amount			551.0

Payment Mode

Invoice Generation


- For invoice generation – Choose dealer/Customer, from and to date.

Invoice Generation

For Dealer

Choose Dealer ▼

Between

 print page

Dealer Invoice

Dealer Address Mysore Dealer
asddasf

Invoice ID: 360
Invoice Date: 28/06/2006

SI No	Voucher Plan	Value	Qty	Amount
1	Home1000	250	2	500
Total Amount				500
Service Tax@10.0%				50.0
Educational Cess@2.0%				1.0
Net Amount Payable				551.0

Payment Details :
By Cash

- Generate an Invoice

Voucher Reports

- **Status Report** - The voucher status report provides the details of vouchers that are in the status selected by the user
 - **Revenue Report** - The revenue report shows the voucher details for all the vouchers that are sold
 - **Stock Report** - The stock report displays the voucher details of all the vouchers which are In Stock
 - **Batch Report** - The batch report displays the details of all the vouchers batch wise.
 - **Audit Trial Report** - Audit Trial Report shows the user activities.
- Note: Reports can be viewed, printed or exported to a spread sheet.

Voucher Reports continued . . . (Screen shot of Status Report)

Report Type	Voucher Status Report
Status	Expired
Circle	Tamilnadu
Node	-All-
Plan	--All--
<input type="button" value="GenerateReport"/> <input type="button" value="Clear"/>	

[Print Report](#) [Export To Excel](#)

Voucher Status	
Circle: Tamilnadu	
Node: Chengalpattu - Has No Data Records	
Node: Coimbatore - Has No Data Records	
Node: Cuddalore - Has No Data Records	
Node: Dharmapuri - Has No Data Records	
Node: Erode - Has No Data Records	
Node: Karaikudi - Has No Data Records	
Node: Madurai - Has 5 Records	
PSN	PLAN
MDU000000001	PSTN - Gold Pass - 10MB Email - 500Hrs
SIT000000021	SIT Reg Ltd DialUp 4MB
SIT000000022	SIT Reg Ltd DialUp 4MB
SIT000000084	SIT Reg Ltd DialUp 4MB
SIT000000075	SIT Reg Ltd DialUp 4MB
Node: Nagarcoil - Has No Data Records	
Node: Ooty - Has No Data Records	

Voucher Reports continued ■ ■ ■ (Screen shot of Revenue Report)

Report Type	Revenue Report
From Date	01/10/2009
To Date	6/10/2009
Circle	Karnataka
Node	-All-
Plan	--All--
<input type="button" value="GenerateReport"/> <input type="button" value="Clear"/>	

[Print Report](#) [Export To Excel](#)

Revenue Report (for batches between 01/10/2009 and 6/10/2009)							
Circle: Karnataka							
Node: Bangalore - Has 2 Records							
PSN	PLAN DESCRIPTION	PLAN TYPE	VOUCHER TYPE	AMOUNT (In Rs)	SERVICE TAX (In Rs)	VAT (In Rs)	EDUC Rs)
BGL000001355	SevenHundredPlan	CASH	NEW	700	84	0	2.52
BGL000001356	BB Recharge 5000	SERVICE	RENEWAL	4485	538.2	0	16.15
TOTAL				5185.0	622.2	0.0	18.66
Node: Belgam - Has No Data Records							
Node: Bellary - Has No Data Records							
Node: Bidar - Has No Data Records							

Voucher Reports continued . . . (Screen shot of Stock Report)

Report Type	Stock Report
Circle	Karnataka
Node	Bangalore
Plan	--All--
<input type="button" value="GenerateReport"/> <input type="button" value="Clear"/>	

[Print Report](#) [Export To Excel](#)

Voucher Stock Report (All Plans)			
Circle: Karnataka			
Node: Bangalore - Has 13 Records			
PSN	PLAN	PLAN TYPE	USER
BGL000000471	SITCashPlan30	CASH	ktbgInu
BGL000000472	SITCashPlan20	CASH	ktbgInu
BGL000000473	Cash45000	CASH	ktbgInu
BGL000000462	Cash150	CASH	ktbgInu
BGL000000463	Cash150	CASH	ktbgInu
BGL000000464	Cash150	CASH	ktbgInu
BGL000000465	Cash150	CASH	ktbgInu
BGL000000466	SITCashPlan20	CASH	ktbgInu
BGL000000467	SITCashPlan30	CASH	ktbgInu

Voucher Reports continued . . . (Screen shot of Batch Report)

Enter information to generate report

Report Type	Batch Report
From Date	01/09/2009
To Date	5/10/2009
Circle	Karnataka
Node	Bangalore
Plan	BB Recharge 100
<input type="button" value="GenerateReport"/> <input type="button" value="Clear"/>	

[Print Report](#) [Export To Excel](#)

Voucher Batch Report (for batches between 01/09/2009 and 05/10/2009)					
Circle: Karnataka					
Node: Bangalore - Has 15 Records					
BATCH ID	START PSN	END PSN	NO OF VOUCHERS	GENERATED ON	GENERATED BY
721	BGL000011092	BGL000011093	2	07/09/2009	ktbglr
722	BGL000011094	BGL000011095	2	07/09/2009	ktbglr
723	BGL000011096	BGL000011100	5	08/09/2009	ktbglr
724	BGL000011101	BGL000011106	6	09/09/2009	ktbglr
725	BGL000011107	BGL000011109	3	10/09/2009	ktbglr
726	BGL000011110	BGL000011110	1	12/09/2009	ktbglr
727	BGL000011111	BGL000011111	1	12/09/2009	ktbglr
728	BGL000011112	BGL000011112	1	12/09/2009	ktbglr
729	BGL000011113	BGL000011113	1	12/09/2009	ktbglr
730	BGL000011114	BGL000011114	1	14/09/2009	ktbglr
732	BGL000011116	BGL000011116	1	14/09/2009	ktbglr
734	BGL000011118	BGL000011118	1	14/09/2009	ktbglr
738	BGL000011122	BGL000011122	1	18/09/2009	ktbglr
744	BGL000011124	BGL000011133	10	25/09/2009	ktbglr
745	BGL000011134	BGL000011137	4	01/10/2009	ktbglr

Voucher Reports continued . . . (Screen shot of Audit Trial Report)

Report Type	Audit Trial Report
From Date	01/10/2009
To Date	6/10/2009
Circle	Karnataka
Node	Bangalore
Order By User	<input checked="" type="checkbox"/>
<input type="button" value="GenerateReport"/> <input type="button" value="Clear"/>	

[Print Report](#) [Export To Excel](#)

Audit Trial Report (Dated between 01/10/2009 and 6/10/2009)				
Circle: Karnataka				
Node: Bangalore - Has 7 Records				
USER NAME	USER ID	ACTIVITY	PSN	DAT
ktbglnu1	4	Generation	BGL000001355	2009
ktbglnu1	4	Sale to Dealer	BGL000001355	2009
ktbglnu5	194	In-Progress	BGL000001256	2009
ktbglnu5	194	Rollback	BGL000001256	2009
ktbglnu5	194	Generation	BGL000001356	2009
ktbglnu5	194	Sale to Dealer	BGL000001356	2009
ktbglnu5	194	In-Progress	BGL000001356	2009

System Architecture

- **3 tier architecture**
 - **Front end** – **Web browser (e.g. IE)**
 - **Application tier** - **Resin app server**
 - **Back end** - **Oracle 9i database**



THANK YOU

VMS Voucher Printing Guidelines for Node-Incharges:

After logging to VMS for voucher generation, voucher printing has to be done using following configuration :

1. **Select Print Mode** : Self
2. **Select Template** : NOC-BGL
3. After clicking Generate, **No. of Vouchers Per page (Self Printing Only)** : 3
4. After clicking Start Printing, **Page Set Up** :

Size : A4(ISO/DIN & JIS)
Source : Automatically Select
Orientation : Portrait
Margins : Left : 1.0
Right : 1.0
Top : 0.15
Bottom : 0.15

5. After Printing, Select "**Validate Printed Vouchers**".