

USERS' MANUAL OF MATERIALS MANAGEMENT INFORMATION SYSTEM

1.0 Introduction

This is a Web-based Forms Builder System using a Web Server with FastCGI support as the back-end and Web Browser with Javascript on the client side. The System is equipped with Commands and Utilities to interact with Database Servers. As of now, the system has support for Oracle and Postgres Database Servers. The system has been developed and tested with Lighted and Apache Web Servers and Firefox and Internet Explorer(version 6.0 or above) web browsers. Forms with complex business logic can be designed and deployed quickly using this system with graphical user interface. The form so developed runs from the web using light-weight Fast CGI Server Module in the back-end and most of the processing takes place in the client browser using javascript. This reduces the load on the server as well as the network bandwidth requirement.

The system also has in-built security system in place for deployment of the applications so developed as user menus. The Application Administration is controlled by the special user called "SYSADM". The applications can also be designed to take part in business work-flow amongst users of the system.

2.0 System Requirements

Requirements on the Server side is covered in the main documentation, which is available after login by the user. The requirements for client side are as under:-

Browser : The System is accessed using a Web Browser: Internet Explorer 6.0 or above, or **Firefox 3.0** or above are the supported Browsers. JavaScript should be enabled in the Browser. In case Pop-up blocker is active, allow pop-ups from the website hosting the Web-forms application.

Firefox is the preferred Browser for this System. You can [Download Firefox-3.6 for Windows from Here.](#)

Workstation Key:

In a Web-based system like this, Simple Login using a User-Id and Password is not considered enough. To ensure a Higher Level of Trust, the Workstation (Client Computer) from which connection is being established, should have a Special "Workstation Key" issued by the System Manager. This Key is to be installed in the System as instructed by the System Manager. This Key is not transmitted to the Server, but is made use of to encrypt the User Password before it travels to the Server over the Network.

USERS' MANUAL OF MATERIALS MANAGEMENT INFORMATION SYSTEM

Alternatively, Digital Signature and Certificate Issued by a Certifying Agency can also be used for "Secure Login" to allow Higher Level of Trust.

Certain Activities and Applications require Higher Trust Level, e.g. Forms and Reports Development, System Administration, Application Deployment etc. In Addition, some sensitive User Applications may also be coded /configured to require Higher Trust Level for Security reasons.

Java Runtime Environment (JRE): The Application also needs Java Runtime Environment (JRE) 1.6 or higher for Cryptography and Secure Login. JRE is available from Sun's Website at <http://java.sun.com/>. For Windows, [JRE 1.6 can also be Downloaded from Here](#)

For Internet Explorer accessing the Website through Proxy, please make sure that it is using HTTP 1.1. For this, go to

Tools ---> Internet Options ---> Advanced ---> HTTP 1.1 settings and Check the setting "Use HTTP 1.1 through proxy connections".

Adding support for eToken in Java:

System provides functionality for Cryptography & PKI support through a Java Applet. User Certificates and Keys are commonly stored in a USB based e-Token or smart card. For accessing e-Tokens from this system (i.e. from Java Applet), following steps are required to be followed :-

For Windows Users:

- 1) Create Configuration File for eToken "C:\Windows\etoken.cfg" with following Content:

```
name=eToken  
library=c:/windows/system32/eTPKCS11.dll
```

(Above dll is for Vista. Check for other Versions and specify correct dll file name)

- 2) Add the following Line to JRE Security File:
(e.g. C:\Program Files\Java\jre6\lib\security\java.security,
depending on the location and version of JRE installed)

security.provider.10=sun.security.pkcs11.SunPKCS11 C:/Windows/etoken.cfg

USERS' MANUAL OF MATERIALS MANAGEMENT INFORMATION SYSTEM

For Linux Users:

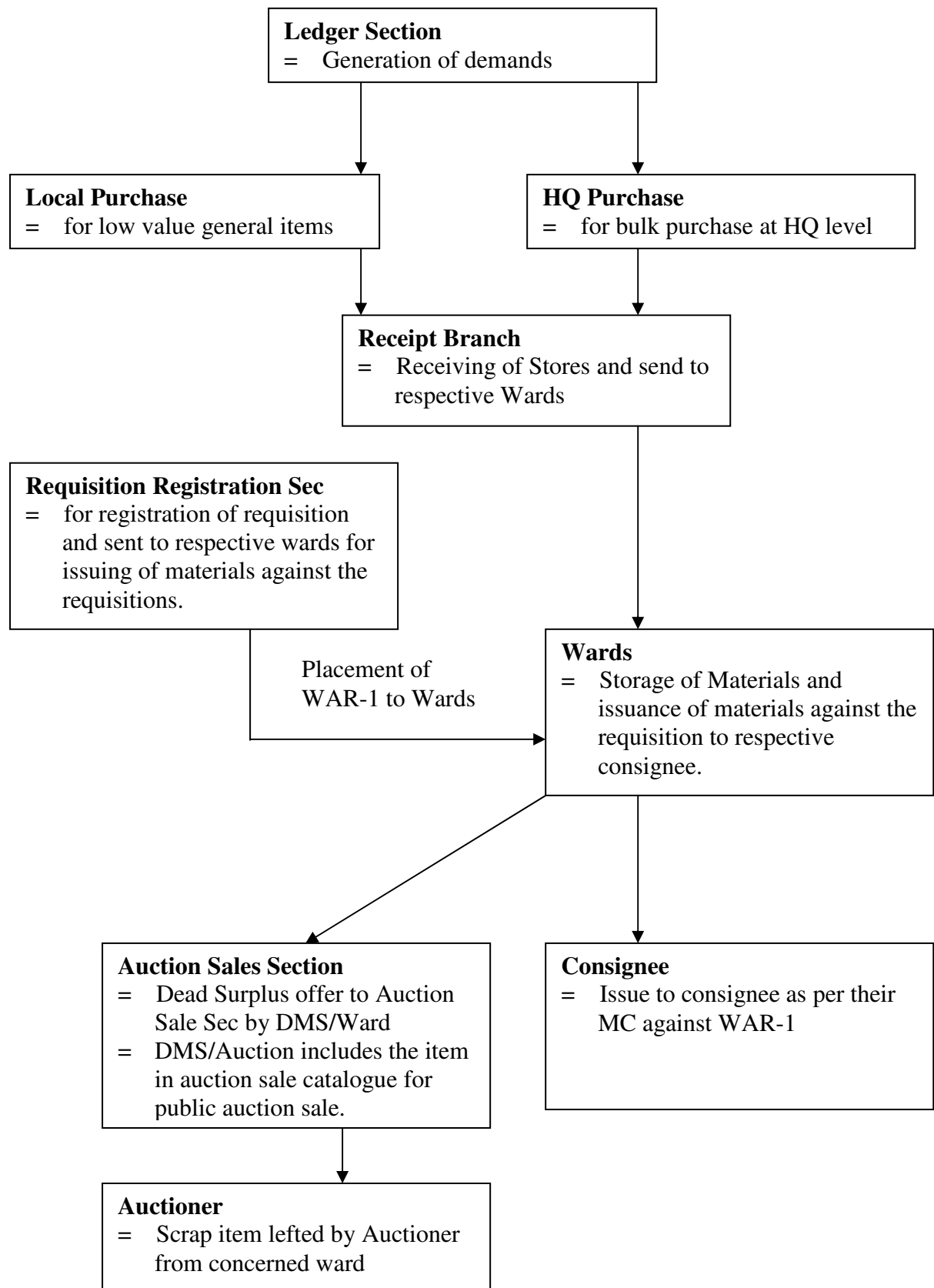
- 1) Create Configuration File for eToken `" /etc/etoken.cfg"`
with following Content:

```
name=eToken  
library=/usr/local/lib/libetpkcs11.so
```

- 2) Add the following Line to JRE Security File: (e.g.
`/usr/java/latest/jre/lib/security/java.security`, depending on the
location and version of JRE installed)

```
security.provider.9=sun.security.pkcs11.SunPKCS11 /etc/etoken.cfg
```

USERS' MANUAL OF
MATERIALS MANAGEMENT INFORMATION SYSTEM
FLOW CHART OF MOVEMENT OF MATERIALS IN STORES DEPOT



USERS' MANUAL OF MATERIALS MANAGEMENT INFORMATION SYSTEM

Log-In Form

User: Not Logged in

Useful Links

- [Train/PNR Enquiry](#)
- [Webmail\(Railtel\)](#)
- [WR.Stores Site](#)
- [CR MMIS Site](#)
- [Google Search](#)

Please login to start

Server Login

User ID: D0205ADM

Password:

Login Secure Login Exit

Guest Login

[System Requirements](#)

[Download Firefox-3.6](#)

[Help](#)

[Download Java Runtime 1.6](#)

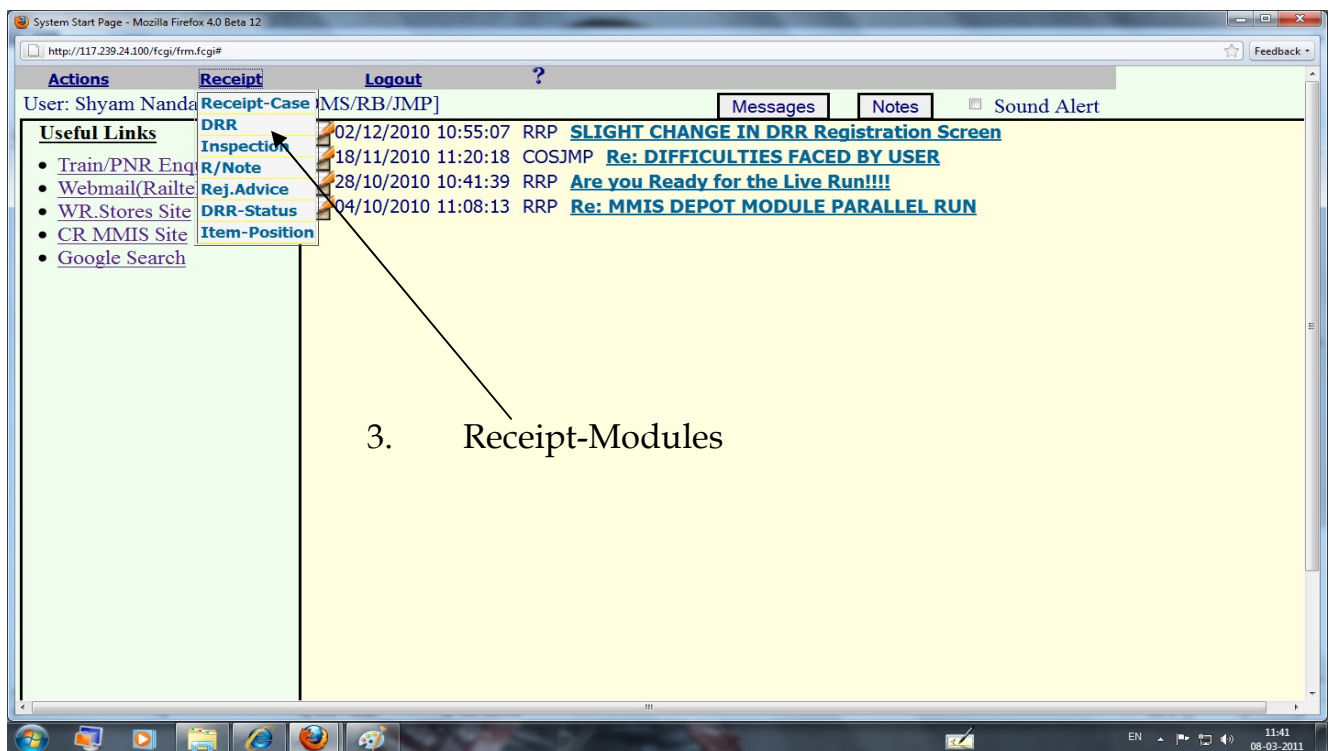
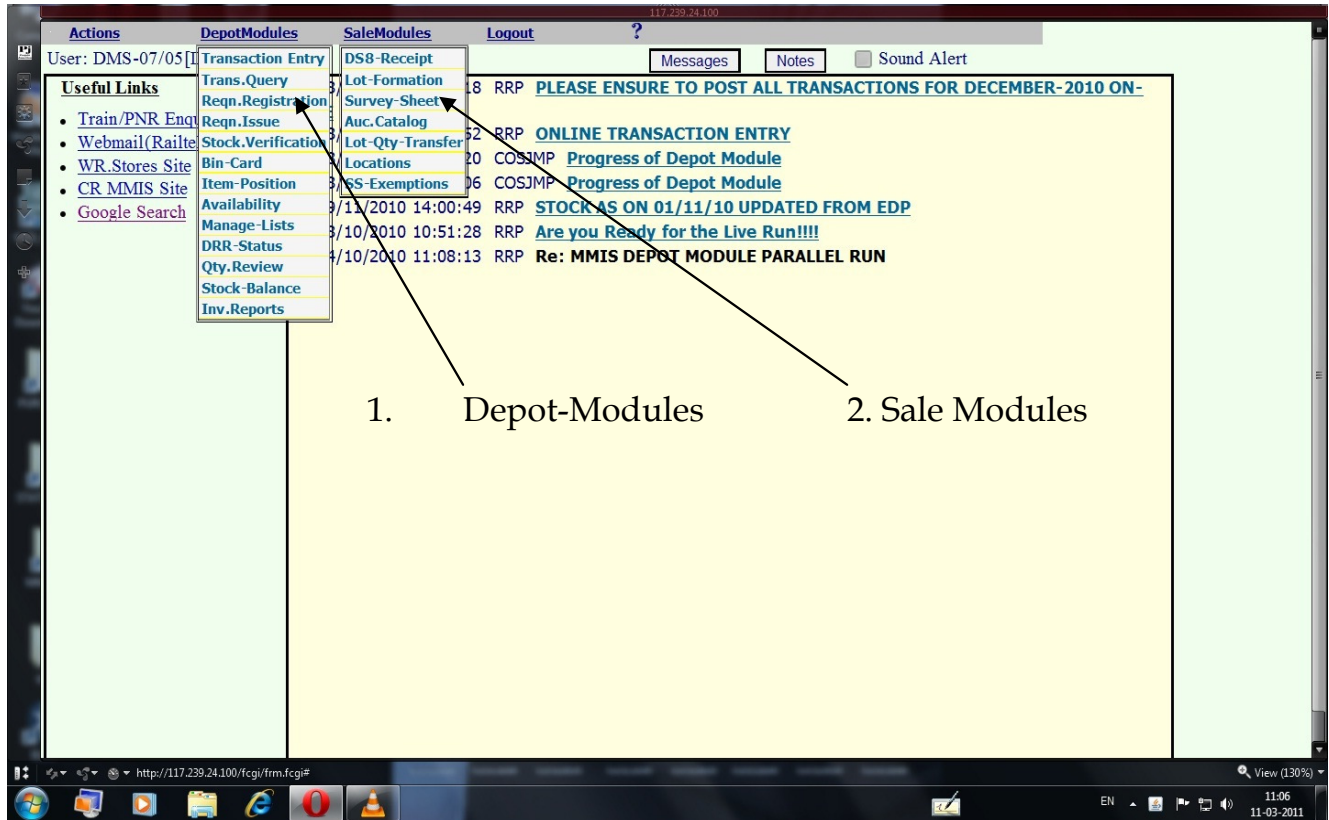
USER-ID

PASSWORD

Users will log into the Web based MMIS by putting the web-address as 117.239.24.100 or www.ermmis.gov.in . At present, MMIS opens in window POP-UP, it means user requires to allow the pop up of the web-address 117.239.24.100 or www.ermmis.gov.in. User may also log into MMIS using the web address www.mmisjmp.weebly.com . After using this in either internet explorer or Mozilla Firefox or Opera (any web-browser) the link of MMIS appears on screen by clicking the same, user may proceed through MMIS. It requires User ID and Password which will be provided by HQ-MMIS Cell. After getting User ID and Password, users may login the MMIS package to know the Stores.

USERS' MANUAL OF MATERIALS MANAGEMENT INFORMATION SYSTEM

After Log into the MMIS, this form appears on the screen. Different users with their User-IDs when Log into, the different forms will appear i.e. the users of Wards will work with Depot Module, users of Receipt Branch will work with Receipt Module and Wards for Sales of Rly Materials through Auction Sale will work with Sales Modules. These modules are appeared as :-



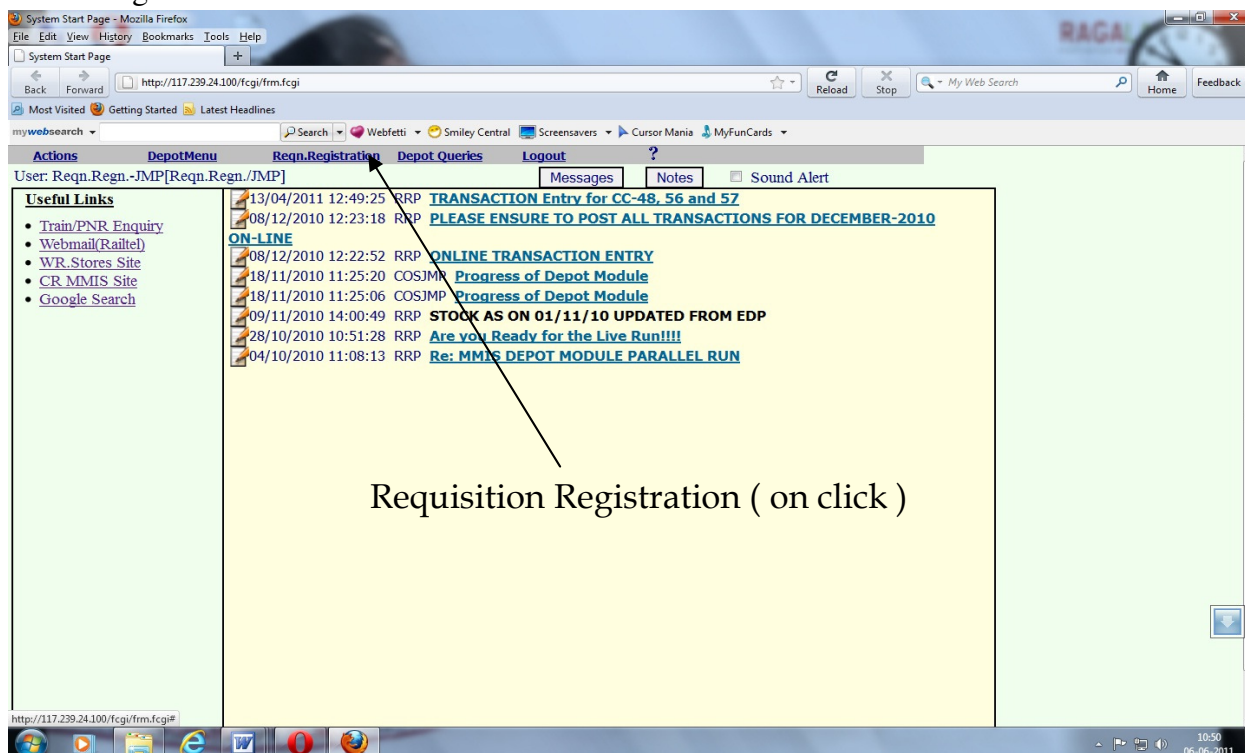
All the modules are in details in next chapter.

USERS' MANUAL OF MATERIALS MANAGEMENT INFORMATION SYSTEM REQUISITIONS REGISTRATION IN MMIS

RRS Section

All the requisitions will be entered through these forms. Depending upon the type of requisition there are different input forms for requisition entry. In case of Imprest entry the user will have to open the Imprest registration form.

Likewise at the time of entering specific requisition(WAR-1 or S-1313), required form has to be opened. All the requisitions will get registration number and date automatically from the system. While entering any requisition all types of validation checks will be there for data integrity. After Registration, all the vouchers sent to concerned Ward for issuance of materials to consignee.



Requisition Registration (on click)

The screenshot shows the 'Run Form - REQN' window with the 'Requisition for Stores' form. The form has a header with 'Clear/Exit', 'Save/Register', and 'Forwarding-Memo' buttons. It contains several input fields for Depot, Reqn.Reg.No, Reg.Date, Reqn.Type, Card-Code, Consignee, Reqn.No, Dated, Indentor, Allocation, Period, and Remarks. Below these is a table for 'Item and Quantity Details' with columns for PL No, Cat, Ward, NLU, Qty.Demanded, Qty.Approved, Qty.Issued, Stock, Reserved, MC, and 12m Cons. At the bottom, there are fields for Last Issue, Fin.Yr., Vr.No., Vr.Date, and Status. A status bar at the bottom left shows 'Rec: 1/1*' and 'Ready'.

| PL No | Cat | Ward | NLU | Qty.Demanded | Qty.Approved | Qty.Issued | Stock | Reserved | MC | 12m Cons. |
|-------|-----|------|-----|--------------|--------------|------------|-------|----------|----|-----------|
| | | | | | | | | | | |