**APIs of Stock register management system**

1. **API1-Get opening balance**

SP🡪PHP

SP send JSON(office\_code) and PHP portal send response JSON(Item, opening\_balance) list.

1. **API2- Allotment item stock register for Temporary Block**

SP🡪PHP

SP send JSON (supply\_order\_number, transaction\_date, office\_code\_from, office\_code\_to, Item\_code, quantity, price) and Portal send response (status- 0 for unsuccessful and 1- for updation in database).

PHP logic-

A. New entry in table Issue\_Transaction\_Details with status “T” (where “T” is Temporary Block)

B. New entry in table Stock\_Register for sender office.

For sender office- Closing balance= Closing balance of item - quantity of item.

Alert message in SP

On success (status == 1)

Stock register has been updated and items are removed successfully!!!

On quantity exceed (status == 3)

You are trying to allocate more quantity than that available in your stock. Kindly enter correct Quantity of item!!

Office Code Mismatch (status == 2)

Office code Mismatch!!

Office or Item Mismatch (status == 0)

Office or Items are Mismatch. Kindly Enter Properly!!

Code other than 0,1,2,3

Login Portal again and the Process the Application or contact to NIC

1. **API3-update stock register on direct supply**

SP🡪PHP

SP send JSON (App\_ref\_no, office\_code, challen\_no, date, vendor\_code, item\_code, quantity, price) and Portal send response (status- 0 for unsuccessful and 1- for successful updation in database).

PHP logic

A. New entry in table Receipt\_Transaction\_Details

B. New entry in table Stock\_Register

closing balance of office=closing balance of item + quantity of item.

Alert message in SP

On success (status == 1)

Stock register has been updated and items are added successfully!!

On unsuccessful (status == 0)

Stock register of items is unsuccessful!!

Item not found (status == 3)

Stock register of items not found in Stock Register

Code other than 0,1,2,3

Login Portal again and the Process the Application or contact to NIC

1. **API4-update stock register on rejected items**

SP🡪PHP

SP send JSON (App\_ref\_no,office\_code, date, item\_code, quantity, price, reason for rejection) and

Portal send response (status- 0 for unsuccessful and 1- for successful updation in database).

PHP Logic

A. New entry in table Stock\_Register

closing balance of office=closing balance of item - quantity of item.

B. New entry in table Stock\_Register\_Reject

Alert message in SP

On success (status == 1)

Stock register has been updated and rejected items are removed successfully!!

On quantity exceed (status == 4)

You are trying to reject more quantity than that available in your stock. Kindly enter correct Quantity of item!!

Item mismatch (status == 3)

Rejected Item not found in Stock Register

Unsuccessful (status == 0)

Rejected item not deducted successfully!!

1. **API-5 Accept/Reject Allotted Items which are Temporary Block in API-2**

SP🡪PHP

SP send JSON (supply\_order\_number, transaction\_date, office\_code\_from, office\_code\_to, Item\_code, quantity, price, action\_code) and Portal send response (status- 0 for unsuccessful and 1- for Successful updation in database).

PHP logic

1. New entry in table Receipt\_Transaction\_Details

For receiver office- Closing balance=closing balance of item + quantity of item.

1. New entry in table Stock\_Register for Receiver

For receiver office- Closing balance=closing balance of item + quantity of item.

1. For table Issue\_Transaction\_Details Change status “T” to R (where “T” is Temporary Block & “R” is Received)

Alert message in SP

On success accept (status == 1)

Stock register has been updated and items are added successfully!!

On unsuccessful update (status == 0)

Stock not updated successfully!!

Record not found (status == 3)

Previous Records not found in Stock Register

Code other than 0,1,2,3

Login Portal again and the Process the Application or contact to NIC