

Internet Based Fully Automated Online Trading System



CONFIDENTIAL

All rights reserved. No part of this publication may be reprinted, reproduced, stored in a retrieval system or transmitted, in any form or by any means, without the prior permission in writing from the owners.

Table of Contents

1	Introduction	3
2	Load Fund (Phase I)	3
3	Fund Withdrawal (Phase II)	10
3.1	Client	10
3.2	Member	11

1 Introduction

One of the features of NOTS is the banking integration using Nepal Clearing House Limited (NCHL). When the trade is done between clients, the bank account of brokers and clients can be in different banks, however the money needs to flow for the trade to complete. This is where integration using NCHL is needed. If the broker places the trade on the behalf of a client, the client first needs to load desired amount of collateral in brokers account. This process is “First phase of NCHL Banking Integration (Load Fund)”.

Then, collateral transfer between Counter Broker happens. Once the settlement is done and the money is received by the second party, then Seller client can withdraw amount which is initiated by client and approved and delivered by Broker. This is termed as Second Phase of NCHL Banking Integration (Fund Withdrawal).

Test Environment: Staging

2 Load Fund (Phase I)

This is the first phase of NCHL banking integration. The process of loading fund from clients account to the brokers account is done in this process. When a client has to pay some account to the broker, then this process must be initiated. The process is done using CIPS. For fund load, the following process is to be followed:

1. Login TMS using client credentials.



NEPAL STOCK EXCHANGE

Trade Management System

USERNAME

201901427

PASSWORD

.....



oPhSBN


oPhSBN



[Forgot Password?](#)

Submit

2. Go to Fund Management -> Load Fund
3. Select the bank as CIPS and fill the necessary details with payment type as collateral deposit as default and submit the form.

 **NEPAL STOCK EXCHANGE**
Trade Management System

Active Sessions
AUCTION (13:37:00 - 14:30:00)

Turnover: 322,947,983.42
Volume: 1,062,043

2019050823

May 26, 2019 02:16:57 PM

As of Sunday, May 26, 2019

Search Menu/Submenus...

- NEPSE TMS Dashboard
- Member Admin Setup
- Fund Management**
 - Load Fund**
 - Fund Withdrawal
 - Payment Settlement

BANK* Connect IPS(CIPS) **PAYMENT TYPE*** collateral_deposit

AMOUNT* 1000 **REMARKS*** Collateral Deposited

Submit **Cancel**

4. You will be then redirected to CIPS. Login using credentials provided by NCHL.



Phrase : flower

A light blue rounded rectangular input field containing the text 'PRAJWALPANTA'. To the right of the text is a small grey icon of a person's head and shoulders.A light blue rounded rectangular input field containing seven black dots, representing a password.

Sign In

 By signing in, I confirm that the image and phrase displayed matches with my initial selection.

5. Once logged in, Payment details and Account details are displayed. Select Account number from account details and click on Submit. User can return to Creditor's site (TMS) by clicking on 'Return to Creditor Site' button at top right.

PAYMENT DETAILS

[Return to Creditor Site](#)

Creditor Id :	NPS-54-APP-3	Creditor Name :	Nepse
Transaction Amount :	(NPR) 1,000.00	Charge Amount :	(NPR) 5.00
Net Debit Amount :	(NPR) 1,005.00	Transaction Id :	201905261000000001
Reference Id :	201905240000696	Particulars :	Transaction Remark

ACCOUNT DETAILS

Debit Account :

[Submit](#)

- When Submitted, One Time Password (OTP) will be sent to registered Email and phone number. Enter OTP and Click on Submit. User will be directed to Creditor's site. User can re-generate OTP by clicking 'Re-generate' link.

connect IPS

PAYMENT DETAILS [Return to Creditor Site](#)

Creditor Id :	NPS-54-APP-3	Creditor Name :	Nepse
Transaction Amount :	(NPR) 1,000.00	Charge Amount :	(NPR) 5.00
Net Debit Amount :	(NPR) 1,005.00	Transaction Id :	201905261000000002
Reference Id :	201905240000696	Particulars :	Transaction Remark

Bank :	1701 - Laxmi Bank Limited	Branch :	5 - Hattisar
Account No. :	00540029165	Account Nick Name :	Laxmi Test Account
Account Name. :	Laxmi Test Account		

PASSWORD

One Time Password	<input type="text" value="189361"/>	Re-generate
-------------------	-------------------------------------	-----------------------------

[Back](#) [Submit](#)

7. Navigate to Fund Management -> Client Fund Transfer History -> NCHL (tab) and check if a record is added for your transaction. You can monitor the status of your transaction here.
8. After some time, if the fund load is successful, the status is updated to success and failed otherwise.

May 26, 2019 02:39:32 PM

As of Sunday, May 26, 2019

Search Menu/Submenus...

Client Fund Transfer History

Banks **NCHL**

NEPSE TMS Dashboard

Member Admin Setup

Fund Management

Load Fund

Fund Withdrawal

Payment Settlement

Client Fund Transfer History

Order Management

Trade Management

Client Search...

SN.	CLIENT	AMOUNT (NPR)	STATUS	DATE	BATCH ID	TMS TRANSACTION ID	TRANSFER TYPE	REMARKS	ACTION
21	Shreeson Dangol	1,000	PROCESSING	2019-05-26	201905261000000002		collateral_deposit	Collateral	
22	Shreeson Dangol	1,000	PROCESSING	2019-05-26	201905261000000003		collateral_deposit	Collateral deposited	

Display 10 Items

Go to 3 of 3 page(s)

May 26, 2019 02:45:48 PM

As of Sunday, May 26, 2019

Search Menu/Submenus...

Client Fund Transfer History

Banks **NCHL**

NEPSE TMS Dashboard

Member Admin Setup

Fund Management

Load Fund

Fund Withdrawal

Payment Settlement

Client Fund Transfer History

Client Search...

SN.	CLIENT	AMOUNT (NPR)	STATUS	DATE	BATCH ID	TMS TRANSACTION ID	TRANSFER TYPE	REMARKS
21	Shreeson Dangol	1,000	PROCESSING	2019-05-26	201905261000000002		collateral_deposit	Collateral
22	Shreeson Dangol	1,000	SUCCESS	2019-05-26	201905261000000003		collateral_deposit	Collateral dep

Display 10 Items

Go to 3 of 3 page(s)

3 Fund Withdrawal (Phase II)

This is the second phase of NCHL banking integration. If a client needs to withdraw some collateral from the broker, in such case Fund Withdraw process is started. This process is initiated when a client sells some security and the broker has to pay out funds to the client. This phase requires the completion of the following steps for completion:

3.1 Client

1. Login to TMS using client credentials.
2. Navigate to Fund Management -> Fund Withdrawal -> Request Fund Withdrawal. Select the account for which the broker has to credit. Enter amount and click on submit.

The screenshot displays the NEPSE TMS Trade Management System interface. The top navigation bar shows market data: BANKSUBIND 0.00, SENSIND 146.28, Active Sessions NO ACTIVE SESSIONS, Turnover: 322,947,983.42, and Volume: 1,062,043. The user is logged in as 2019050823. The main content area is titled "Fund Withdrawal" and shows the following details:

- DEPOSITED COLLATERAL: 13290.74
- UTILIZED COLLATERAL: 0
- MAX WITHDRAWAL ALLOWED: 13290.74
- ACCOUNT NUMBER: 99901030060001 (Laxmi Bank Limited)
- AMOUNT: 1000

Buttons for "Submit" and "Cancel" are visible at the bottom of the form.

3. Navigate to Fund Management -> Fund Withdrawal -> Request Fund Withdrawal ->New (tab) and check if a record is added for your withdrawal request. You can monitor the status of your request here.

NEPAL STOCK EXCHANGE Trade Management System

BANKSUBIND 0.00 SENSIND 146.28 Active Sessions NO ACTIVE SESSIONS Turnover: 322,947,983.42 Volume: 1,062,043

2019050823

May 26, 2019 03:02:44 PM

As of Sunday, May 26, 2019

Fund Withdrawal Status

Approved **New** Success Processing

Name Search...

AE	CLIENT MEMBER CODE	BANK NAME	DEPOSITED COLLATERAL	UTILIZED COLLATERAL	WITHDRAWAL AMOUNT	STATUS
Reason Dangol	2019050823	Laxmi Bank Limited	13290.74	0	1000	NEW

Display 10 Items

Go to 1 of 1 page(s)

Fund Withdrawal Status

3.2 Member

- Login to TMS using Admin credentials
- Navigate to Fund Management -> Approve Fund Approval- > NCHL (tab). Check request that needs to approved and click on Approve.

NEPAL STOCK EXCHANGE Trade Management System

NEPSE 1,325.68 SENSIND 146.28 Active Sessions NO ACTIVE SESSIONS Turnover: 322,947,983.42 Volume: 1,062,043

Admin

May 26, 2019 03:30:26 PM

As of Sunday, May 26, 2019

000011 100.5 (0) <> 00002 81 (0) <> AHPC 175 (0) <> AKJCL 99 (0) <>

Fund Withdrawal Approval

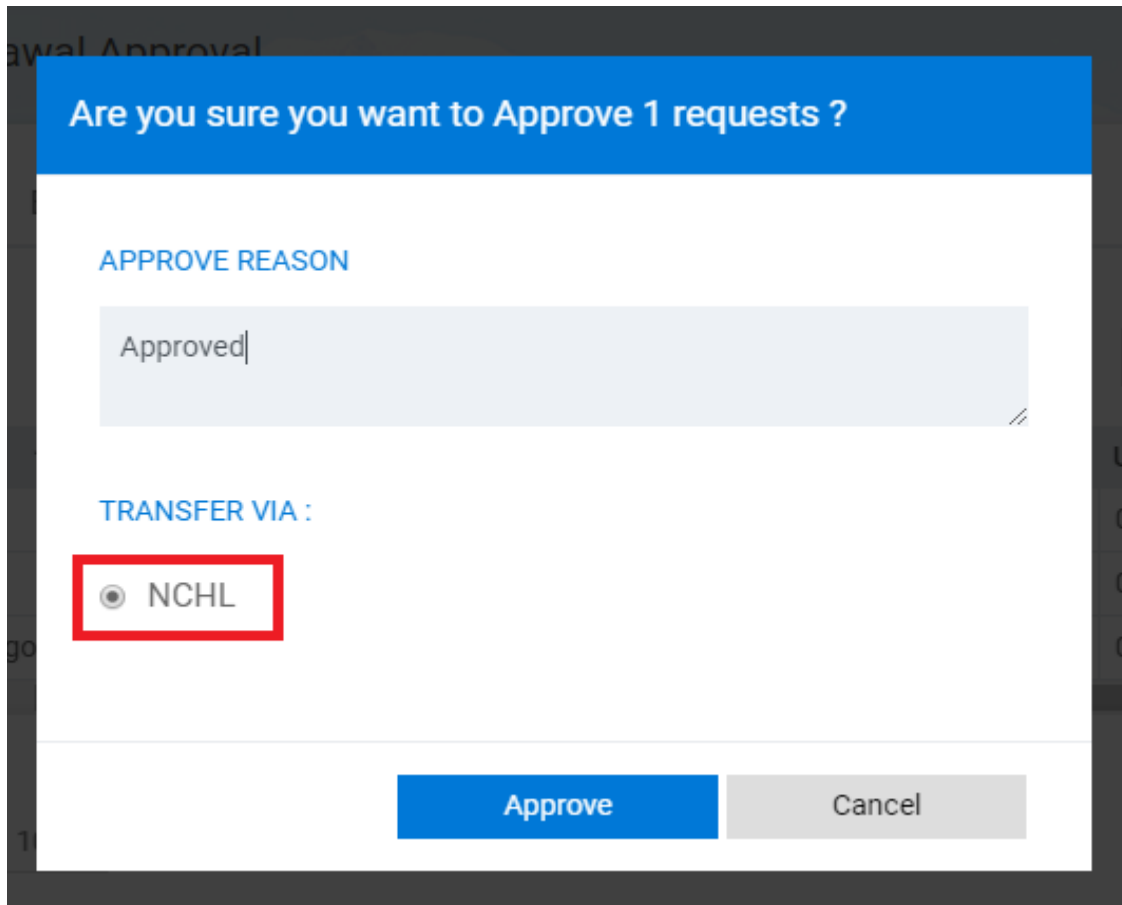
NCHL Bank

*All searchable fields Search...

ME	CLIENT MEMBER CODE	BANK NAME	DEPOSITED COLLATERAL	UTILIZED COLLATERAL	WITHDRAWAL AMOUNT	
rita Magar	2018100298	Laxmi Bank Limited	35349.99	0	234	<input type="checkbox"/>
rita Magar	2018100298	Laxmi Bank Limited	35115.99	0	1111	<input type="checkbox"/>
Reason Dangol	2019050823	Laxmi Bank Limited	13290.74	0	1000	<input checked="" type="checkbox"/>

Approve Fund Withdrawal

- A pop up will be displayed. Check NCHL and click on Approve.



The image shows a confirmation dialog box with a blue header that reads "Are you sure you want to Approve 1 requests?". Below the header, there is a section titled "APPROVE REASON" with a text input field containing the word "Approved". Underneath, there is a section titled "TRANSFER VIA :" with a radio button selected next to the text "NCHL". The "NCHL" option is highlighted with a red rectangular border. At the bottom of the dialog, there are two buttons: a blue "Approve" button and a grey "Cancel" button.

- Navigate to Fund Management -> Fund Withdrawal -> Fund Withdrawal Status -> Approved (tab) to view the status. Approved requests will be NCHL Approved.

NEPAL STOCK EXCHANGE Trade Management System

NEPSE 1,325.68 SENSIND 146.28 Active Sessions NO ACTIVE SESSIONS Turnover: 322,947,983.42 Volume: 1,062,043

May 26, 2019 03:41:00 PM

As of Sunday, May 26, 2019 | KGC 310 (0) <> Telephone 100 (0) <> YHL 600 (0) <>

Fund Withdrawal Status

[Approved](#) New Success Processing

TOTAL APPROVED AMOUNT: RS.714.25
TOTAL NCHL APPROVED AMOUNT: RS.1000

SN.	NAME	CLIENT MEMBER CODE	BANK NAME	DEPOSITED COLLATERAL	UTILIZED COLLATERAL	WITHDRAWAL AMOUNT	STATUS
1	Sunsun Shrestha	2019050822	Laxmi Bank Limited	1100	0	100	APPROVED
2	Rajnikanta Poudel	2019020519	Laxmi Bank Limited	36128.99	0	200	APPROVED
3	VIVEK JOSHI	2018110379	Laxmi Bank Limited	999262.5	0	25.25	APPROVED
4	VIVEK JOSHI	2018110379	Laxmi Bank Limited	999196.25	0	5	APPROVED
5	Sarita Magar	2018100298	Laxmi Bank Limited	34694.99	0	100	APPROVED
6	Sarita Magar	2018100298	Laxmi Bank Limited	23115.99	0	234	APPROVED
7	Sarita Magar	2018100298	Laxmi Bank Limited	40409.99	0	50	APPROVED
8	Shreeson Dangol	2019050823	Laxmi Bank Limited	13290.74	0	1000	NCHL APPROVED

- Navigate to Transfer Fund-> Fund Withdrawal Jobs. Select Creditor Bank and click on 'Initiate Fund Transfer'. User can view Fund transfer details by clicking on View Details Link.

NEPAL STOCK EXCHANGE Trade Management System

NEPSE 1,325.68 SENSIND 146.28 Active Sessions NO ACTIVE SESSIONS Turnover: 322,947,983.42 Volume: 1,062,043

May 26, 2019 03:46:47 PM

As of Sunday, May 26, 2019 | KGC 310 (0) <> Telephone 100 (0) <> YHL 600 (0) <>

NCHL Banks

DEFAULT BANK DETAILS:

BANK NAME: Laxmi Bank Limited A/C NO: 00511011166 BRANCH: Hattisar

SELECT BANK:

Laxmi Bank Limited(Hattisar)

[Initiate Fund Transfer](#)

TOTAL AMOUNT TO BE TRANSFERRED: RS.1000

[View Details](#)

5. Check the status in Fund Withdrawal Status.

← → ↻ Not secure | 192.168.50.70/tms/me/gen-bank/withdrawal-status

NEPAL STOCK EXCHANGE
Trade Management System

NEPSE 1,325.68 SENSIND 146.28 Active Sessions NO ACTIVE SESSIONS Turnover: 322,947,983.42
Volume: 1,062,043

Admin

May 26, 2019 03:53:58 PM

Approved New **Success** Processing

Search Menu/Submenus...

NEPSE TMS Dashboard

Global Administration

Member Admin Setup

Fund Management

Fund Withdrawal

Approve Fund Withdrawal

Fund Withdrawal Status

Payment Settlement

Name Search...

AE	CLIENT MEMBER CODE	BANK NAME	DEPOSITED COLLATERAL	UTILIZED COLLATERAL	WITHDRAWAL AMOUNT	STATUS
Person Dangol	2019050823	Laxmi Bank Limited	4873	3100	23	SUCCESS
Person Dangol	2019050823	Laxmi Bank Limited	17290.74	0	5000	SUCCESS

Display 10 Items Go to 9 of 9 page(s)