

Chittagong Stock Exchange Ltd.

# Debt Market

User Manual

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# 1. Introduction

Debt Market trades can be executed using CSE's latest trading software, GWS. Debt/Bond trading operation is also similar to CSE's regular trading operation. In GWS, to facilitate Debt/Bond Trading, a separate Market Watch is added namely, "DEBTWATCH". Latest trading software GWS can be obtained from the below link:

<http://cns.bangladeshstockmarket.com/>

## 2. Debt/Bond Market

### 2.1 Debt Market Watch

Debt Market Watch can be accessed from below menu:

Markets -> Open DEBT Market Watch

The screenshot displays the WSI - Intellect Brokerage Pro software interface. The main window shows the 'DEBTWATCH' market watch window, which lists various debt instruments with columns for Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, BS Pressure, Volume, High, Low, Symbol Status, Board, Last Updated Time, Open, and Close. The 'SPOTWATCH' window is also visible, showing similar data for spot instruments. The 'Order Summary' window at the bottom provides a summary of orders, including Investor ID, Symbol, B/Exec Qty, B/Exec Value, S/Exec Qty, S/Exec Value, Net Exec Qty, and Net Exec Value. The interface includes a menu bar with options like 'Home', 'Markets', 'Trading', 'Statements', 'View', 'Analysis', 'Help', and a toolbar with various trading and market watch functions. A large blue and red area on the right side of the interface is partially visible, likely representing a chart or another window.

## 2.2 Accrued Interest, Yield and Present Value in DEBTWATCH

To get the Accrued Interest, Yield and Present Value in DEBT WATCH, right click on any of the column headings, and check the necessary fields.

The screenshot displays the Intellect Brokerage Pro interface. The main window is titled 'DEBTWATCH' and shows a table of debt instruments. The columns are: Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, and Acc. The 'Acc' column is highlighted, and a context menu is open over it, showing the following options: Exchange, Product, Scrip Group, TEND, Price Movement, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, BS Pressure, Net Change\*, Volume, Symbol Status, Buy VWAP, Sell VWAP, Sector ID, Board, Market PE, Total Traded Value, Last Updated Time, Last Traded Time, High, Low, Open, Close, PCP, % Change, WAP, Total Buy Qty, Total Sell Qty, No. of Trades, Traded Value, Unique Symbol, Expiry Date, Company Name, Settlement Type, Present Value, Yield Till Maturity, and Accrued Interest. The 'Present Value', 'Yield Till Maturity', and 'Accrued Interest' options are checked. Other panels visible include 'BBO Depth - AAMIRAMET (A) [CSE]', 'Local Order Book', and 'Local Trade Book'.

## 2.3 Linking DEBTWATCH with BBO Depth, Local Order Book and Local Trade Book

To link the DEBTWATCH with the other windows like BBO Depth, Local Order Book and Local Trade Book, click on the arrow at the top of the window and match the color profile with each other.

The screenshot displays the Intellect Brokerage Pro interface with several windows open. The main window is DEBTWATCH, showing a table of debt instruments. A color profile menu is open over the table, showing options for White, Red, Blue, Green, and Yellow. To the right, the BBO Depth window for AAMRANET (A) is visible, showing a blue and red order book. Below these are the Local Order Book and Local Trade Book windows, both showing empty tables. At the bottom, there are Order Summary and Intellect Log windows. The Intellect Log shows a password expiration notice and a login record.

Symbol	Buy Price	Buy Qty	Sell Price	Sell Qty	LTP	LTQ	Accrued Interest	Yield Till Matur	Present Value	BS Pressure	Volume	High	Low
B10Y2030					106.4000				106.0000				
T10Y2022					108.9000		1.5990						
T02Y0722					101.0000		1.5931		106.5476				
T10Y0126					110.0000		1.5719		111.5719				
T10Y0729					110.0000		1.6144		111.6144				
T03Y0522					105.0000		1.5931		106.5931				
T15Y0125					105.0000		1.5719		106.5719				
T30Y0333					15.0000		1.5990		16.5990				
BEX050KUK					82.0000		1.4793		89.4793				
BBS20R0N					105.0000		1.4793		106.4793				
T20Y0126					106.0000		1.5719		107.5719				
T40Y0126					107.0000		1.5719		108.5719				

## 2.4 Placing Buy/Sell Order

To place Buy/Sell Order Right Click on any scrip of the DEBTWATCH and select Buy Order Entry/Sell Order Entry. Or you can also place using keyboard shortcuts: F2 for Buy and F3 for Sell Order Entry.

The screenshot shows the Intellect Brokerage Pro interface at 10:00:14. The DEBTWATCH table lists various securities with columns for Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, Accrued Interest, Yield Till Matur, Present Value, BS Pressure, Volume, High, Low, Symbol Status, and Board. An Order Entry dialog box is open for CSE DEBT, showing details for ZBOND (Normal, NORMAL) with a quantity of 100 and a clean price of 110.0000. The dialog includes fields for Side (BUY), Price Type (LMT), and various fees. The BBO Depth window for T10Y0126 shows a bid-ask spread with a last price of 110.0000 and a last quantity of 0.

The screenshot shows the Intellect Brokerage Pro interface at 10:00:22. The DEBTWATCH table is the same as in the previous screenshot. The Order Entry dialog box is now open for a Sell order, with the Side field set to SELL and the Clean Price field set to 110.0000. The BBO Depth window remains the same, showing the bid-ask spread for T10Y0126.

## 2.5 Order Placement using Clean Price, Yield or Effective Yield

In DEBT Market, buy/sell orders can be placed using Clean Price, Yield or Effective Yield. One can put required value in any of these fields, and rest will be automatically calculated.

### Order Entry using Clean Price

The screenshot displays the WSI - Intellect Brokerage Pro interface. The main window shows an 'Order Entry' dialog for 'CSE DEBT'. The order details are as follows:

Product	Board	Settlement Type	Symbol	Link
ZBOND	NORMAL	NORMAL	T10Y0126	

Order Entry Fields:

- Side: BUY
- Qty: 100
- Price Type: Clean Price
- Value: 110.0000
- Trigger Price: 111.9719
- Order Type: LMT
- Validity Date: 05/04/2022
- Commission: 0.0000
- Yield: 4.4861
- Eff Yield: 4.4861

The background shows a 'DEBTWATCH' table with columns for Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, Accrued Interest, Yield Till Matur, Present Value, BS Pressure, Volume, High, Low, Symbol Status, and Board. A 'BBO Depth - T10Y0126 [CSE]' window is also visible, showing a bid-ask spread with blue and red bars.

## Order Entry using Yield

The screenshot displays the WSI - Intellect Brokerage Pro interface at 10:00:45. The main window shows a DEBTWATCH table with columns for Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, Accrued Interest, Yield Till Matur, Present Value, BS Pressure, Volume, High, Low, Symbol Status, and Board. An Order Entry dialog is open, showing details for CSE DEBT with the following fields:

- Product: CSE EQUITY
- Board: CSE DEBT
- Settlement Type: NORMAL
- Symbol: T10Y0126
- Side: BUY
- Qty: 100
- Clean Price: 110.6826
- Value: 11225.4717
- FB Type: GFD
- Validity Date: 05/04/2022
- Price Type: LMT
- Trigger Price: 0.0000
- Cie Fees: 0.0000
- Commission: 0.0000
- Yield: 4.3000
- Eff Yield: 4.3000
- Repl Qty: 0.0000
- Minimum FB: 0.0000
- Protect %: 0.0000
- Reference ID: 0.0000
- Inv. ID/Name: 30800071
- Dirty Price: 112.2547
- Stock Holding: 0
- Clear: 0
- Mohammad Abd
- Buying Power: 1,051,740.00
- Holdings: 166665585
- Transactions: ...

The Order Summary section shows the following details:

- Investor ID: ...
- Symbol: ...
- B/Exec Qty: ...
- B/Exec Value: ...
- S/Exec Qty: ...
- S/Exec Value: ...
- Net Exec Qty: ...
- Net Exec Value: ...

The Intellect Log shows the following entries:

- 05/04/2022 10:00:18 Compute Yield Response
- 05/04/2022 09:59:47 Compute Yield Response
- 05/04/2022 09:59:44 Compute Yield Response

## Order Entry using Effective Yield

The screenshot displays the WSI - Intellect Brokerage Pro interface at 10:01:02. The main window shows a DEBTWATCH table with columns for Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, Accrued Interest, Yield Till Matur, Present Value, BS Pressure, Volume, High, Low, Symbol Status, and Board. An Order Entry dialog is open, showing details for CSE DEBT with the following fields:

- Product: CSE EQUITY
- Board: CSE DEBT
- Settlement Type: NORMAL
- Symbol: T10Y0126
- Side: BUY
- Qty: 100
- Clean Price: 111.0518
- Value: 11262.3721
- FB Type: GFD
- Validity Date: 05/04/2022
- Price Type: LMT
- Trigger Price: 0.0000
- Cie Fees: 0.0000
- Commission: 0.0000
- Yield: 4.2000
- Eff Yield: 4.2000
- Repl Qty: 0.0000
- Minimum FB: 0.0000
- Protect %: 0.0000
- Reference ID: 0.0000
- Inv. ID/Name: 30800071
- Dirty Price: 112.6237
- Stock Holding: 0
- Clear: 0
- Mohammad Abd
- Buying Power: 1,051,740.00
- Holdings: 166665585
- Transactions: ...

The Order Summary section shows the following details:

- Investor ID: ...
- Symbol: ...
- B/Exec Qty: ...
- B/Exec Value: ...
- S/Exec Qty: ...
- S/Exec Value: ...
- Net Exec Qty: ...
- Net Exec Value: ...

The Intellect Log shows the following entries:

- 05/04/2022 10:00:45 Compute Yield Response
- 05/04/2022 10:00:18 Compute Yield Response
- 05/04/2022 09:59:47 Compute Yield Response



## 2.6 Accrued Interest and Yield in Local Order Book, Local Trade Book, Server Order Book and Server Trade Book

To get the Accrued Interest and Yield in Local Order Book, Local Trade Book, Server Order Book and Server Trade Book, right click on any of the column headings, and check the necessary fields.

The screenshot shows the WSI - Intellect Brokerage Pro interface at 13:44:33. The main window displays market data for CSE, including a list of symbols like ACMELAB (A), ACTIVEFINE (A), ADNTEL (N), ADVENT (N), AFCARGO (A), and AFTABAUTO (A). A context menu is open over the Local Order Book, with options for sorting and displaying fields. The 'Accrued Interest' and 'Yield' fields are checked in the menu. The Local Order Book table shows columns for Investor ID, Symbol, B/S, Status, Tot. Qty, and Accrued Interest/Yield. The Local Trade Book table shows columns for Investor ID, Symbol, Exch. Timestamp, and Board.

The screenshot shows the WSI - Intellect Brokerage Pro interface at 13:47:05. The main window displays market data for CSE, including a list of symbols like ACMELAB (A), ACTIVEFINE (A), ADNTEL (N), ADVENT (N), AFCARGO (A), and AFTABAUTO (A). A context menu is open over the Server Trade Book, with options for sorting and displaying fields. The 'Accrued Interest' and 'Yield' fields are checked in the menu. The Server Trade Book table shows columns for Exch., Symbol, Scrip Group, B/S, Exec. Qty., Trade Price, Accrued Interest, and Yield. The Local Trade Book table shows columns for Investor ID, Symbol, Exch. Timestamp, and Board.

## 2.7 Filtering data using Product

One can easily filter any order, trade and net position data using the **Product Filter** consists of All, Equity and Debt.

The screenshot displays the Intellect Brokerage Pro interface with several windows open. The main window shows a list of securities with columns for Symbol, Buy Price, Buy Qty, Sell Price, Sell Qty, LTP, LTQ, BS Pressure, Volume, High, Low, Symbol Status, and Board. A 'Server Order Book' window is overlaid, showing a table of orders with columns for Exch., EQUITY DEST, Scrip Gr, B/S, Tot. Qty, Price, Pend. Qty., Status, Product, Exch. Ref. No., Exch. Timestamp, Repln Q, and YI. The 'Local Trade Book' window shows a table of trades with columns for Investor ID, Symbol, Exch. Timestamp, Board, B/S, Trade Qty, Trade Price, Accrued Int, Yield, and Product. The 'Intellect Log' window shows a list of events with columns for Date, Time, and Description.

## 2.8 Limit and Holding Statement

Limit (Margin Summary) and Holding Statement can be found in the same location like before for Equity:

Menu -> Statements -> Margin Summary

Menu -> Statements -> Holdings

## 2.9 Net Position

Investor Net Position can be found in the same location like before for Equity:

Menu -> Trading -> Trade Position (F7)

Menu -> Trading -> Position Query (ctrl + F7)

## 2.10 BT File for Debt/Bond Market

A separate BT file named "BT\_BOND.txt" can be downloaded from the same place like equity (<http://cns.bangladeshstockmarket.com/>).

The image shows a Notepad window titled "BT\_BOND.txt - Notepad" with a menu bar (File, Edit, Format, View, Help). The text content is as follows:

```
CTG03|16603|MOSTFAMETL|S|10000|21.60|W555|||121|07/04/2022|10:09:57|07/04/2022|10:09:56|0.012000|10.102500  
CTG21|16603|MOSTFAMETL|B|10000|21.60|W800|||121|07/04/2022|10:09:57|07/04/2022|10:07:49|0.012000|10.102500
```

Two callout boxes are present below the text:

- A box labeled "Executed Yield" has an arrow pointing to the value "0.012000" in the first line of data.
- A box labeled "Accrued Interest" has an arrow pointing to the value "10.102500" in the first line of data.