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1. GENERALINFORMATION

1.1 SYSTEMOVERVIEW

FASTrade is a flexible, scalable and extremely efficient web enabled Order Management System, using client-server architecture, which allows a secure and efficient way of orders placement through the WAN (Internet) and LAN.

It enables Customers to place orders electronically via the Internet. Once the order is placed customer can view order status (i.e. executed, pending or rejected). All the portfolio of client is being managed at broker's Backoffice System.

1.2 AUTHORIZED USEPERMISSION

This document shall not be duplicated or distributed, and the information contained herein shall not be disclosed in whole or in part, for any purpose other than to evaluate this document within the organization for this project only.

2. GETTINGSTARTED

2.1 SIGNINGIN

Sign-in window is by default opened when application starts, it can also open from File Menu as shown in Fig 1.



Sign In Page



Sign In Window

❖ User ID AndPassword

Every client must have its own unique User ID and Password.

❖ Server

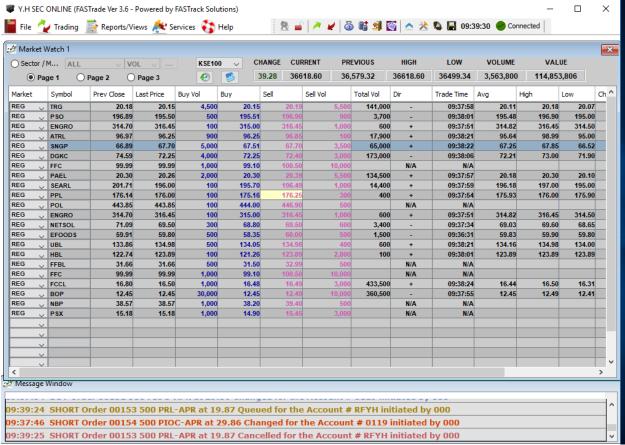
Every Broker has its own server short name which will be given by the broker. (It can be editable by clicking the checkbox just beside the lock icon).

❖ SignIn

After entering User ID, Password and Server short name, press "Login" Button.

2.2 MAINWINDOW

After Sign In, the Main Window appears as Shown below. On this page the user finds the following information.



Main Window

❖ MenuBar

Menu Bar is on top left side of the window. It contains following options:

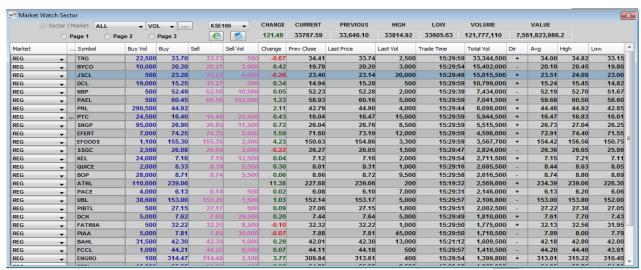
- File
- Monitor
- Trade
- Services
- Services
- Graph
- Help

❖ ShortcutsBar

Shortcuts Bar lies besides the Menu Bar on the top of the window. It contains following options:

- MarketWatch
- Buyorder
- Sellorder
- CancelOrders
- ExecutedTrades
- Outstandingorders
- Portfolio
- NetEquity
- OrderHistory
- GraphIntraday
- GraphHistory
- GraphAdvance

❖ MarketWatch



Under market all the information regarding shares and securities (with respect to current market) are displayed. Highlighted tuple shows that the change is taking place only in highlighted column. In main window, each row represents the information about the particular security.

Market: REG / FUT /SIFetc.

Symbol: Company symbol appearshere.

• P. Close: Last day'srate.

• Last Rate: Rate per share in themarket.

• Last Vol: Last Tradedvolume.

Buy Vol: Number of shares Client Interested inbuying.

• Buy: Buying Rate pershare.

• **Sell:** Sell Rate pershare.

• **Sell Vol:** Number of shares client wants to sell of a particular company.

• Total Vol: Total number of shares (BVol +SVol).

• **Dir:** Compare current rate with the Close rate and then determines '+' for up or profit and '-' for down or loss.

• L Trd Time: Last tradetime.

• Avg: Average rate between the Current and Closerate.

High: Highest rate of the day for a particular share.

- Low: Lowest rate of the day for the particular company.
- Flag: whether symbol is on Spot orNot.
- **Chg:** Change in rate (closed current). Figure written with blue means *no change in rate*. In green means *current rate is higher than the closed rate*. In red *current rate is lower than the closedrate*.

❖ MarketStatistics



Market statistics provide you a brief description about the market. It includes:

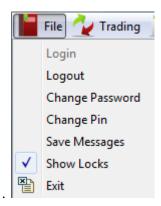


- Index: Selection ofIndex.
- Current: Selected index currentvalue.
- Change: Change from previous day of selectedindex.
- High: Maximum value touched of selectedindex.
- Low: Minimum value touched of selectedindex.
- Volume position: Volume, Value and Avg (Average Traded Price of Per Share) of All Share Index.
- **Share position:** current position of shares according to index. How many share values are increased (green) or decreased (red) or unchanged(blue)?

2.3 FILEMENU

File Menu provides functions and also depicted in figure below

- Login
- Logout
- Change Password /Pin
- Lock
- Exit



2.3.1 LOGIN

Client can open a "Sing-in" window from the login option as show in Main Window – File Menu. In current window, Log In link is disabled, as client is already logged in.

2.3.2 **LOGOUT**

Client can log out form the logout option given under File Menu.

2.3.3 CHANGE PASSWORD /PIN



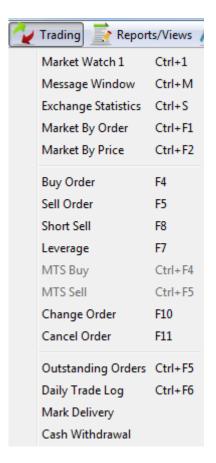
To change Password / Pin, Client has to insert his/her old, new, confirm Password / Pin and then press Change Password or Change Pin button.

Client can lock his screen and will be unlocked after inserting his password and then pressing unlock button.

2.3.4 EXIT

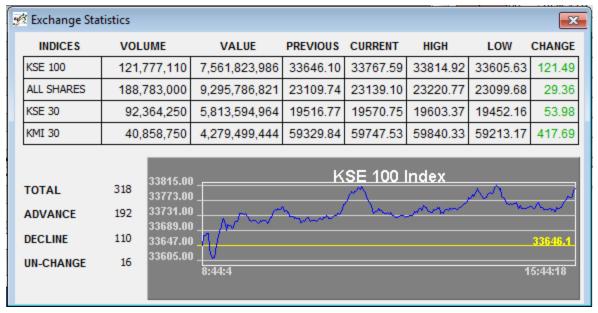
Your screen will be closed.

2.4 MONITORMENU



Monitor menu has following options as shown in following figure

- 2.4.1 MARKET WATCH (SHORTCUT KEY F2) SEEABOVE
- 2.4.2 INDEX WINDOW (SHORTCUT KEYCTRL+S)



Exchange statistics provide you a brief description about the market. It includes:

Index: Types of different indexes in StockMarket.

Volume: total number of sharestraded.

Value: total amount of sharestraded.

• **Previous:** last day index value / rate at which marketclosed.

Current: Current indexvalue.

High: How much scrip value is increased from the lastday.

Low: how much scrip's value is decreased from the lastday.

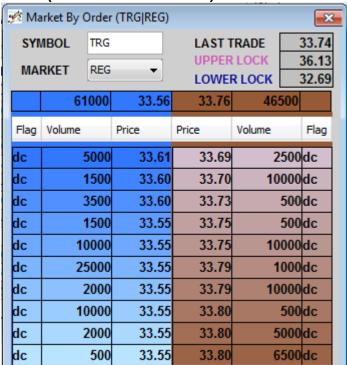
Change: Current –Previous.

2.4.3 MESSAGEWINDOW



It displays the messages. Messages can be of Trade related confirmation and/or market status related messages

2.4.4 MARKET BY ORDER (SHORTCUT KEYCTRL+F1)



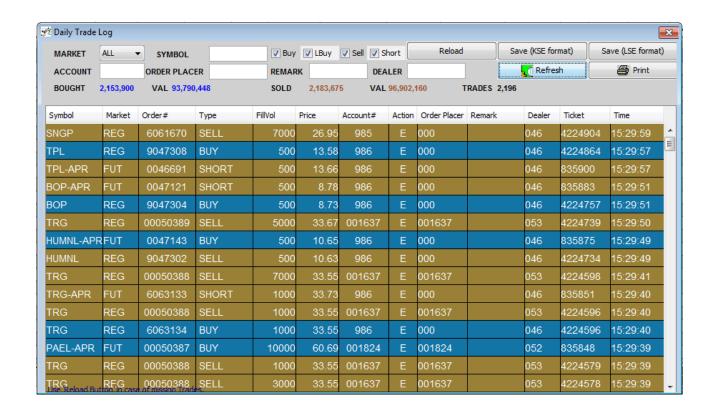
Market by Order is list of orders (of specific symbol) queued in the market. Buy Side is sorted descending, which shows buyer with the highest price is at the top. Sell side is sorted ascending, which shows seller with the lowest price is at the top.

2.4.5 MARKET BY PRICE (SHORTCUT KEYCTRL+F2)

Market By Price (BYCO REG)						
SYMBOL BYCO MARKET REG		•	LAST T UPPER LOWER	LOCK 2	20.20 20.78 18.78	
	301500	20.14	20.25	85000		
0	Volume	Price	Price	Volume	0	
1	10000	20.20	20.21	2000	1	
2	17500	20.18	20.22	3000	1	
4	81000	20.17	20.23	1500	2	
7	64500	20.15	20.24	42000	4	
1	500	20.14	20.25	12500	5	
3	15500	20.13	20.26	500	1	
2	10000	20.12	20.27	1000	1	
4	31500	20.11	20.28	1000	1	
20	54500	20.10	20.29	18500	3	
4	16500	20.06	20.30	3000	4	

Market by Price is list of orders (of specific symbol **grouped by price)** queued in the market. Buy Side is sorted descending, which shows buyer with the highest price is at the top. Sell side is sorted ascending, which shows seller with the lowest price is at the top.

2.4.6 EXECUTED ORDERS (SHORTCUT KEYCTRL+F6)



Executed orders window contain following columns

❖ OrderNo

Exchange' specified order number displayed here.

❖ Type

Either buy or sell.

❖ Symbol

Company symbol appears here.

Quantity

Total number of shares.

Rates

Rate per share.

❖ Status

As all the executed orders are placed here so, all the orders status are E or executed. Executed orders window contain following buttons

Sort bySymbols

By pressing this button the orders are shown in ascending or descending alphabetical order by Symbols.

Sort byOrders

BY pressing this button the orders are sort by order number issued by IBTS.

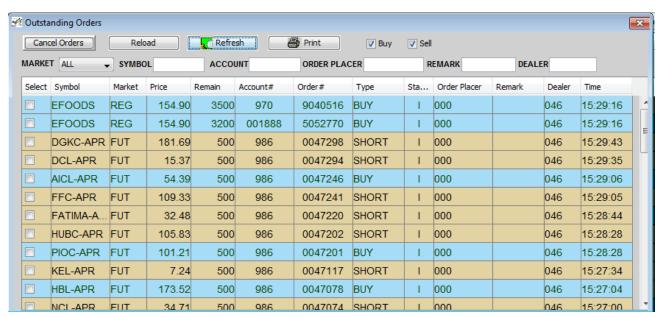
❖ Print

Print the outstanding order form.

2.4.7 OUTSTANDING ORDERS (SHORTCUT KEYF6)

The orders that are not complete yet or are in pending showed under Outstanding Order(s). This option can be selected through trading menu or by hitting F6 key. And also be access by shortcut bar menu.

On selecting Outstanding Orders the following window appears.



Outstanding Orders window contain following fields

❖ Symbol

Particular Company symbol appears here on which shares the trading is performed.

❖ Mkt

REG/FUT etc.

BuyVol

Number of shares bought.

❖ BuyRate

Price of shares bought.

❖ SellVol

Number of shares sold.

❖ SellRate

Price of shares sold.

❖ OrderNo

Each order has given a unique order number assigned by IBTS which displayed here.

❖ Account

Account number in which activity is performed.

❖ Side

Type specified here that either the buying or selling is going on.

Type

Whether order was LIMIT / Market/ Stop Loss or MIT?

❖ Placer

Order placer code.

❖ Remark

If, any remark was placed during order sending, than it will be displayed here.

❖ Dealer

Dealer code

❖ Time

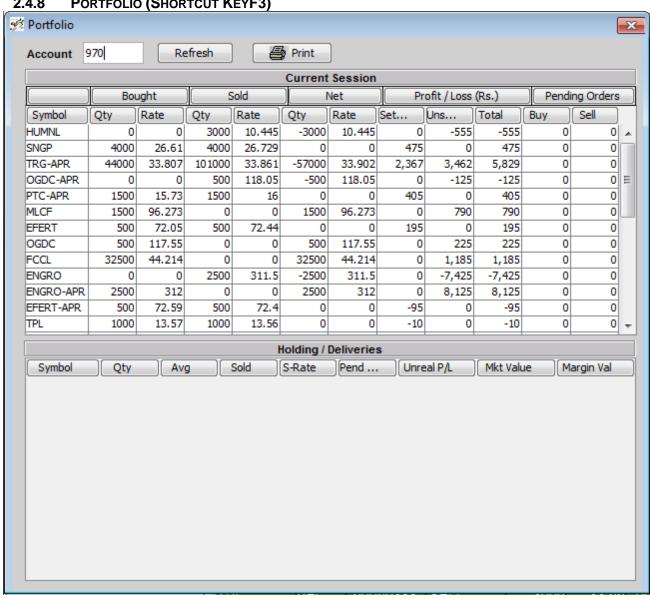
Order placement time

❖ KseOrder

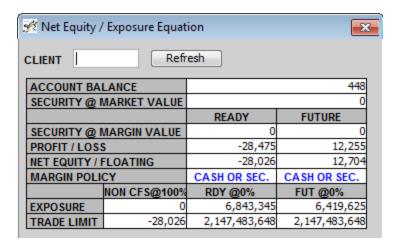
Order no. as assigned by the exchange.

You can cancel Single or All outstanding orders by selecting each or all checkboxes from first column and then press "Cancel Selected".

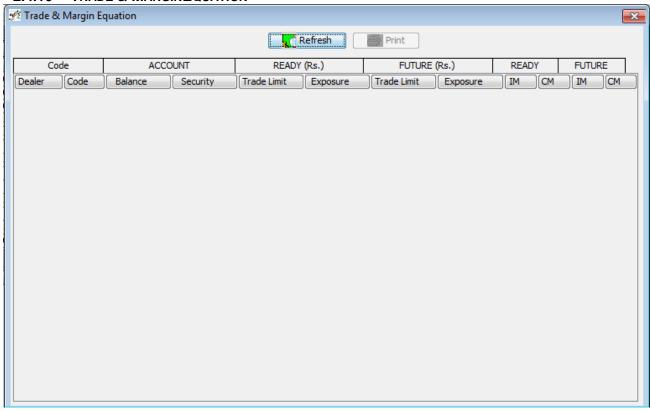
2.4.8 PORTFOLIO (SHORTCUT KEYF3)



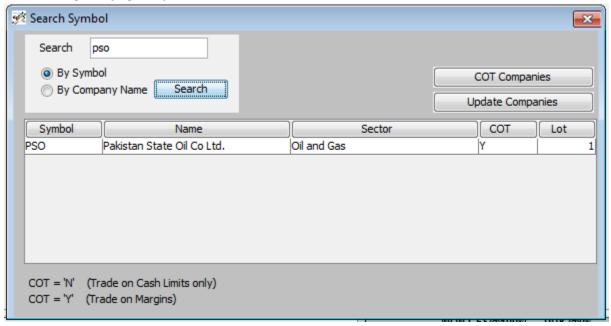
2.4.9 **NET EQUITY (SHORTCUT KEYF9)**



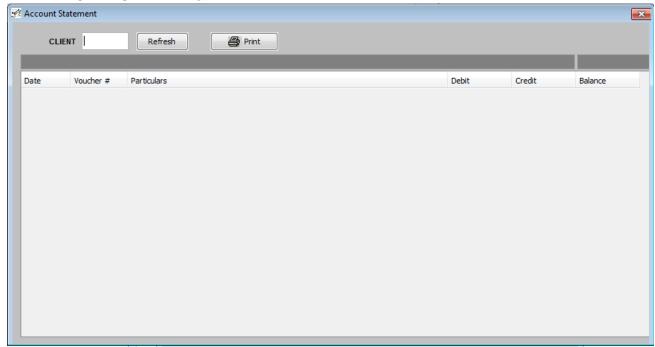
2.4.10 TRADE & MARGINEQUATION



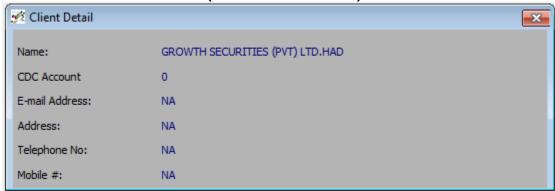
2.4.11 SYMBOLSEARCH



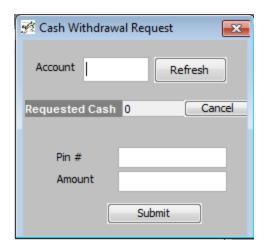
2.4.12 CLIENTSTATEMENTS



2.4.13 CLIENT INFORMATION (SHORTCUT KEYCTRL+I)



2.4.14 CASHWITHDRAWAL



2.5 TRADE MENU

Before going forward there certain things which have to be comprehended, those are (but not limited to)

• TICKSIZE:

The Tick Size will be 1 (one) paisa for all orders placed on IBTS, unless otherwise specified in the relevant Regulations governing a specific market.

QUEUEPRIORITY:

- 1) Orders that cannot be immediately executed shall be queued for future execution in a specific order of priority mainly based in the following order:
 - a) Price
 - b) Time ofentry
- 2) In case an order is executed partly, the remaining part of such Order shall not lose itspriority.

CANCELORDER:

A Cancel Order can only cancel an outstanding order.

• CHANGEORDER:

Change Order can only modify the price of an outstanding order. The change order option availability depends on the policy of the Brokerage House / TREC Holder.

2.5.1 BUYORDER

Client can buy shares/certificate by either selecting the Buy Order from "Trade" menu or simply hit the F4 key. It can also be accessed from the shortcut bar menu as shown in figure below.

After selecting the Buy Order Option, following Window appears.



Buy order contains the following fields and all are considered necessary to fill (except marked as

*

OrderType

A drop down bar is given from which client can select desired order type.

Order type includes:

- **LIMIT:** A particular rate is defined in this section if the market cross the rate, shares either buysautomatically.
- MARKET: The client does not have to specify rate under this option. It buys shares on the marketrate.
- **STOPLOSS:** Stop Loss buy order is activated when the price of the share drops to or below the triggerprice.

Stop loss buy order is only accepted if the trigger price is greater than the last trade price. Am ong the two price levels i.e. trigger price and limit price the trigger price should be less than or equal to the limit price.

• MIT (Market If Touched): MIT buy order is activated when the price of the share reaches a specific price.

MIT Buy order would only be accepted if the trigger price is less than the last trade price.

Among the two price levels i.e. trigger price and limit price the trigger price should be greater t han or equal to the limit price.

❖ Volume

Number of shares client wants to buy.

❖ Symbol

Symbol of the particular company.

Price

It is defined as rate per share. Rate is defined on the basis of order type.

- If client selects **Limit** in order type field, he/she sees that market is going downward then places an order of limit (with an lower value of the scrip than that at which it was traded last time) if the market reaches this rate or better his/her order will be executed..
- In **Market** option the client does not specify any rate it automatically detects the current rate.
- If **Stop loss** is selected, to protect profit and stop loss. Either if market is going high user can place Stop loss order of buy at higher price to protect his profit from risk of market's downfall.
- In **MIT** option, a order that becomes a market order when a security reaches a specified price. When using a buy market-if-touched order, a trading engine will wait until the security falls to a certain level before purchasing thesymbol.

Account

You have to mention your account name here. (By default your account will be filled)

❖ PINCode

Every client has given a unique PIN Code which he/she has to enter to perform the action.

❖ DiscVol*

DiscVol (disclosed volume) is to hide the order volume in the market, only the total Order Volume – disclosed volume will be visible in the market.

❖ Submit

After filling the form press submit button and your order is included in outstanding order list.

❖ Exit

Exit button is used to exit from the window.

2.5.2 SELLORDER

Client can sell shares/certificate by either selecting the Sell Order from "Trade" menu or simply hit the F5 key. It can also be accessed from the shortcut bar menu as shown in figure below.

After selecting the Buy Order Option, following Window appears.



Sell order contains the following fields and all are considered necessary to fill (except marked as

❖ OrderType

A drop down bar is given from which client can select desired order type.

Order type includes:

- **LIMIT:** A particular rate is defined in this section if the market cross the rate, shares either buysautomatically.
- MARKET: The client does not have to specify rate under this option. It buys shares on the marketrate.
- **STOPLOSS:** Stop Loss sell order is activated when the price of the share drops to or below the triggerprice.

Stop loss sell order is only accepted if the trigger price is less than the last trade price. Amon g the two price levels i.e. trigger price and limit price the trigger price should be greater than o r equal to the limit price.

• MIT (Market If Touched): MITsell order is activated when the price of the share reaches a specific price.

MIT Sell order would only be accepted if the Trigger price is greater than the last trade price. Among the two price levels i.e. trigger price and limit price the trigger price should be less than or equal to the limit price.

Volume

Number of shares client wants to buy.

❖ Symbol

Symbol of the particular company.

❖ Price

It is defined as rate per share. Rate is defined on the basis of order type.

- If client selects **Limit** in order type field, he/she sees that market is going downward then places an order of limit (with an lower value of the scrip than that at which it was traded last time) if the market reaches this rate or better his/her order will be executed..
- In **Market**option the client does not specify any rate it automatically detects the current rate.
- If **Stop loss** is selected, to protect profit and stop loss. Either if market is going high user can place Stop loss order of buy at higher price to protect his profit from risk of market's downfall.
- In **MIT** option, a order that becomes a market order when a security reaches a specified price. A sell market-if-touched order will activate when the price of a security rises to the specifiedlevel..

❖ Account

You have to mention your account name here. (By default your account will be filled)

❖ PINCode

Every client has given a unique PIN Code which he/she has to enter to perform the action.

❖ DiscVol * (Undisclosed Order)

DiscVol (Disclosed volume) is to hide the total order volume in the market, only the Disclosed volume will be visible in the market. This option requires min. volume of 100,000 shares and not les then 10% of total volume can be disclosed.

❖ Submit

After filling the form press submit button and your order is included in outstanding order list.

❖ Exit

Exit button is used to exit from the window.

2.5.3 CHANGEORDER

There are multiple options to change an outstanding order

- OPTION 1 (APPLICABLE TO LAST QUEUED ORDER): Client can change last queued order by either selecting the Change Order from "Trade" menu or simply hit the F10 key. It can also be accessed from the shortcut bar menu as shown in figure below.
- 2. **OPTION 2:** Client can change any outstanding order by double left clicking any queued order message from message board as shown in figurebelow.

3. **OPTION 3:** Client can also change any outstanding order by double left clicking any row in Outstanding window as shown in figurebelow.

After selecting any of the above Option, following Window appears.



After changing price press "Change" and that order will be changed.

2.5.4 CANCELORDER

There are multiple options to cancel an outstanding order

 OPTION 1 (APPLICABLE TO LAST QUEUED ORDER): Client can cancel last queued order by either selecting the Cancel Order from "Trade" menu or simply hit the F10 key. It can also be accessed from the shortcut bar menu as shown in figure below.

- 2. **OPTION 2:** Client can cancel any outstanding order by right clicking any queued order message from message board as shown in figurebelow.
- 3. **OPTION 3:** Client can also cancel any outstanding order by right clicking any row in Outstanding window as shown in figure below.

After selecting any of the above Option, following Window appears. Buy Order :: BYCO Petroleum Pak Ltd. TrType Market OrderType Volume Symbol Price Account Remark BUY → REG → CANC... → 970 (Optional) Order# LimitPrice Dis. Volume Orders Pin# SUBMIT Remember Pin Volume Buy Sell Volume LastTrade Change ▲ Lock ▼ Lock 10,000 20.20 20.21 2,000 20.20 18.78 0.42 20.78 High Low 20.45 19.8

Now just press "Cancel" and your outstanding option will be cancelled.

3. ACRONYMS AND ABBREVIATIONS

Provide a list of the acronyms and abbreviations used in this document and the meaning of each.

Term	Definition
IBTS	Internet Based Trading System
Upper Lock	Last day close rate of market + 5% increment
Lower Lock	Last day closed rate of the market - 5% decrement
PIN	Personal Identification Number
Exchange	Pakistan Stock Exchange