ALL INDIA EMBARKATION

Railway Booking & Enquiry System (RBES)

Develop by GC Technoservice, Kolkata

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GC Technoservice

BASIC REQUIREMENTS

SOFTWARE'S

The new Railway Booking and Enquiry Systems for EHQ Kolkata are built by GC Technoservice of Kolkata under supervision of Embarkation Head Quarter (Kolkata).

Railway Booking and Enquiry Systems (RBES) are built on DOT NET framework 3.5 technologies, The frontend was build using VB.NET and for backend (Database) we use SQL SERVER 2008 RS for caring lots of data.

The basic software require to run the above mentions system is Windows 7 or higher as operating system. For backend database the system required SQL SERVER 2008 RS Express edition or higher (which is free to use and no need to buy). Standalone version have inbuilt SQL Server. You have to make it accessible via network (If Server & Notes concept adapted).

The second basic software is Microsoft office 2007 or higher. This software must be preloaded in the computer.

No other software is required to run RBES. Other requirement is fulfilled by our RBES Setup. After running the RBES setup, it will install all other prerequisite with it's main Railway Booking System.exe.

BASIC REQUIREMENTS

HARDWARE

The basic hardware to run the software is Intel i3 CPU or similar standard (AMD) with 4 GB RAM and 500 GB Hard disk. This specification is applicable for Standalone or Nodes (connected computers with Server) .

If you want to use Server and multiple Nodes (connected computers with Server) we recommend to use Intel i5 CPU or similar standard (AMD) with 8 GB RAM for Server.

For Server & Nodes concept all computers must be connected via network.

One printer should be attached with main (Server) computer to print all the documents.
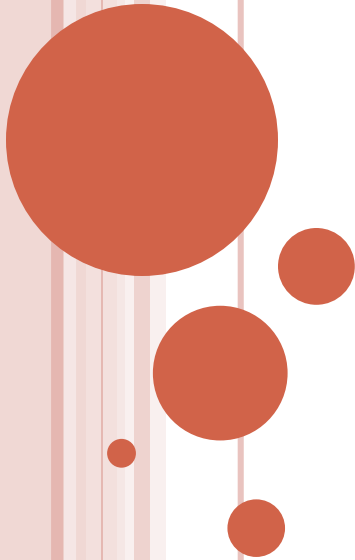
PURPOSE

This Railway Booking & Enquiry System (RBES) will comprehensively reduce duplication of work, and nearly 100% percent error free report of booking & DDQ related information to the management staff and commuters. The reports can be generated day to day or Yearly basis.

PRODUCT SCOPE

The Introducing software, RBES which has developed for **Howrah Railways station MCO booking office is now working in all MCOs under Embarkation Bengal area**. The Booking system is to keep track of all trains DDQ booking and check availability. It also provide commuters with basic information about **Train schedule** and **Station** on which it stopped.

The objectives of the automated RBES is to simplify the day to day processes of the Booking office. The system will be able to handle many services to take care of all commuters in a quick manner. As a solution to the large file handling at the office, this software will be used to overcome those drawbacks. The safety and the ease of using and most importantly the efficiency of information retrieval like **DDQ Utilization** reports are some benefits. The system is user's appropriate, easy to use, provide easy recovery of errors and have an overall end-user's high subjective satisfaction.

PRODUCT FUNCTIONS

- Master Information's (Start Up Information's)
  - User Information.
  - Stations.
  - Trains.
  - Trains link with Stations.
  - Coaches.
  - Seats.
  - Ranks.
- Passenger / Train Enquiry.
- Availability.
- Make Booking.
- Confirm Waiting List.
- Cancel Booking.
- View Booking.
- Reports.
- Logged User.

PRODUCT FUNCTIONS

- Reports (Details)
  - Train Charts.
  - Booking list.
  - Additional Train Charts.
  - Job Report.
  - SMS Report.
  - DDQ Utilization.
  - Daily Quota Utilization.
  - Emergence Quota Letter.
- Administrator (Details).
  - View Job status of all User.
  - Advance Booking Days.
  - Reset Booking No.
  - Edit Booking.
  - Wipe Booking.

FIRST LOOK OF RAILWAY BOOKING & ENQUIRY SYSTEM.

- The first screen of RBES is Login screen, you have to provide a valid user information to activate the system.

- A built-in user is already there as "Admin" with "Admin" Password to start with as Administrator privilege. He can create as many as required users and can stop using the "Admin" in future.
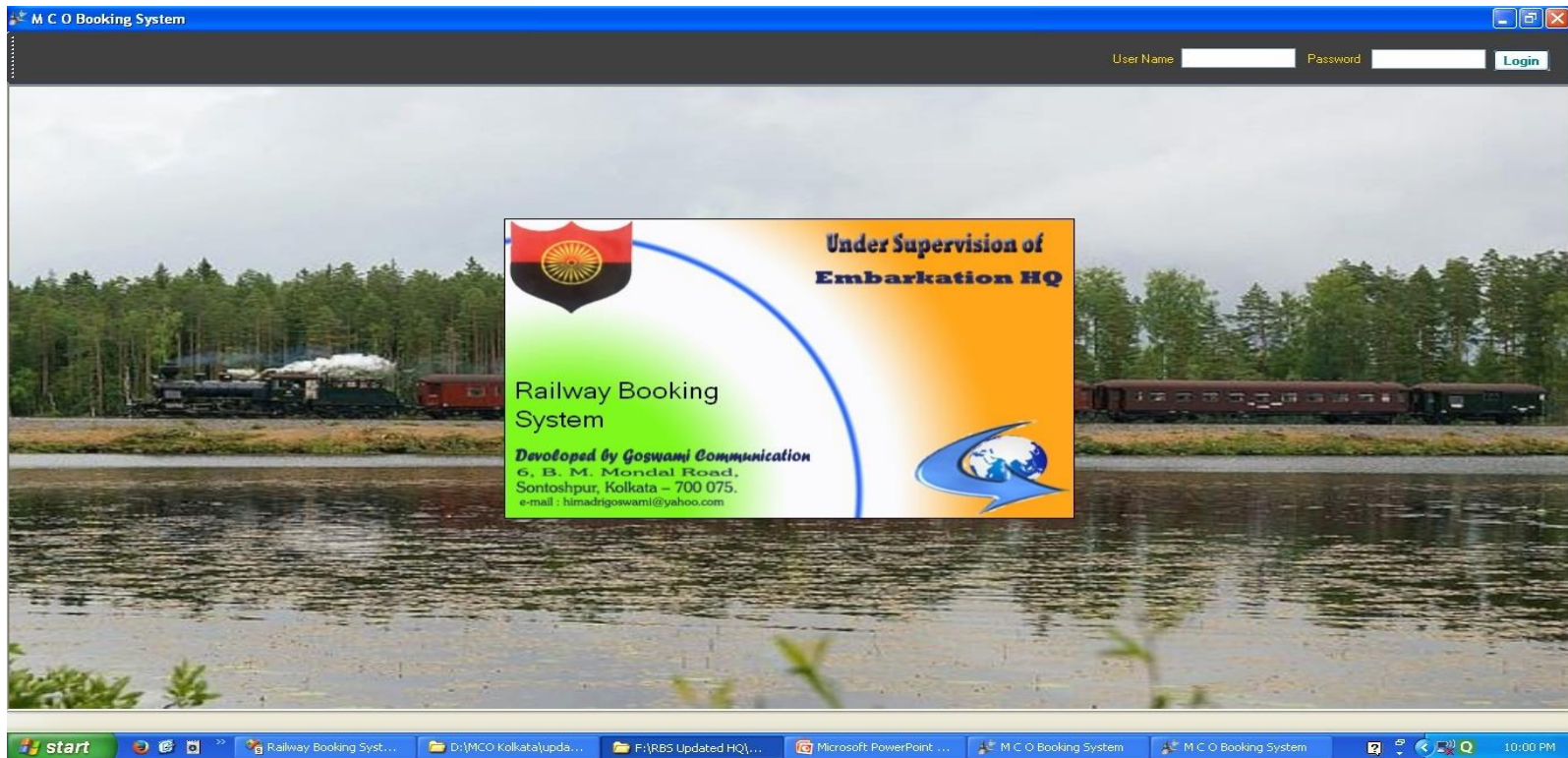
- After valid logging the booking system is activated with different menus. The Administration menu can only be activated if the user has privilege of the Administrator. On the right side it will show the current logged user.

- To start booking, the user have to update all previously mention Master Information.
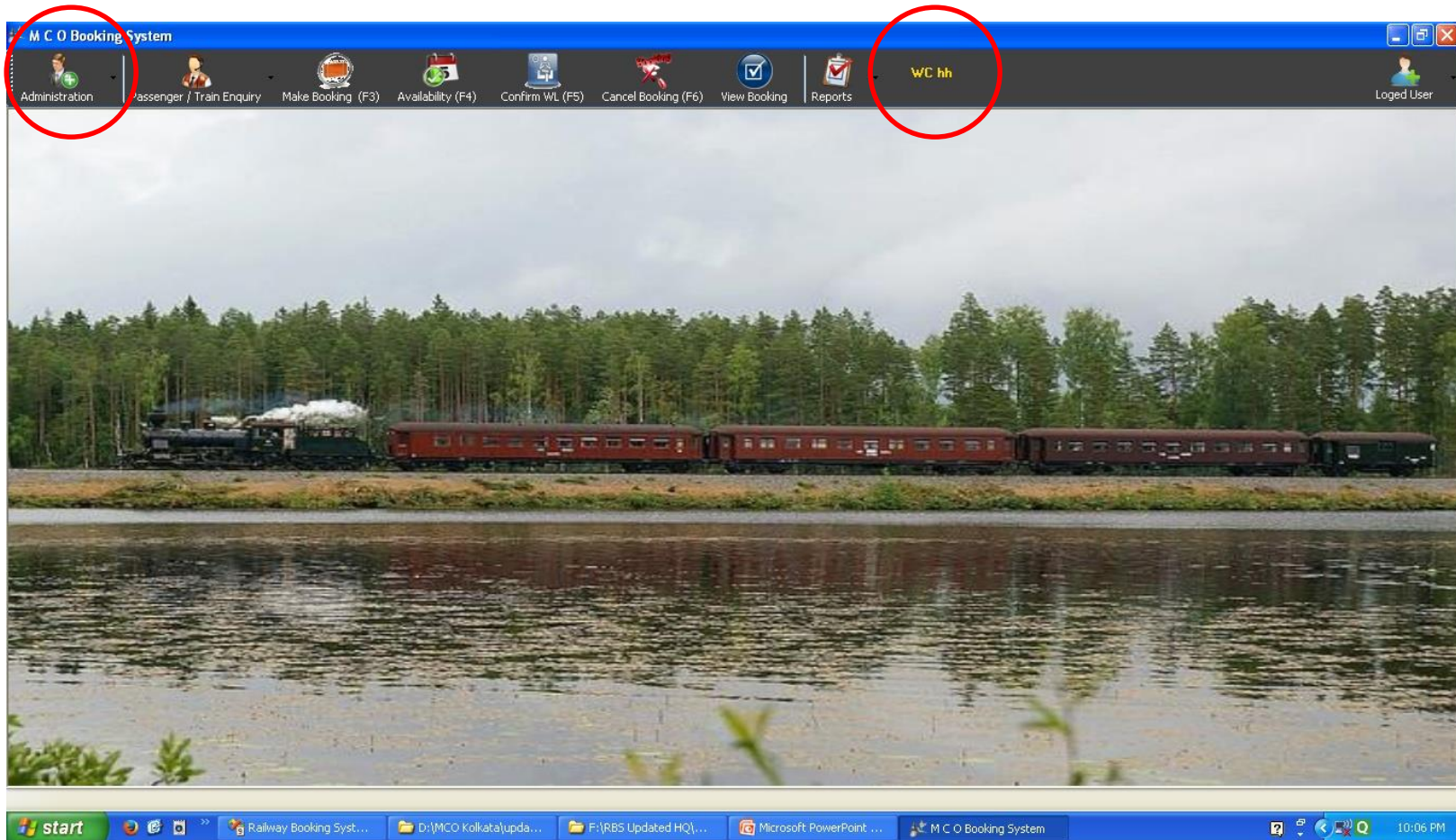
Basic Information

- To operate the RBES you have to update all master tables first. All stations and all trains which are operated from that particular MCO. The Administrator has the privilege to update Stations, Trains, Seats, Rank and User information.
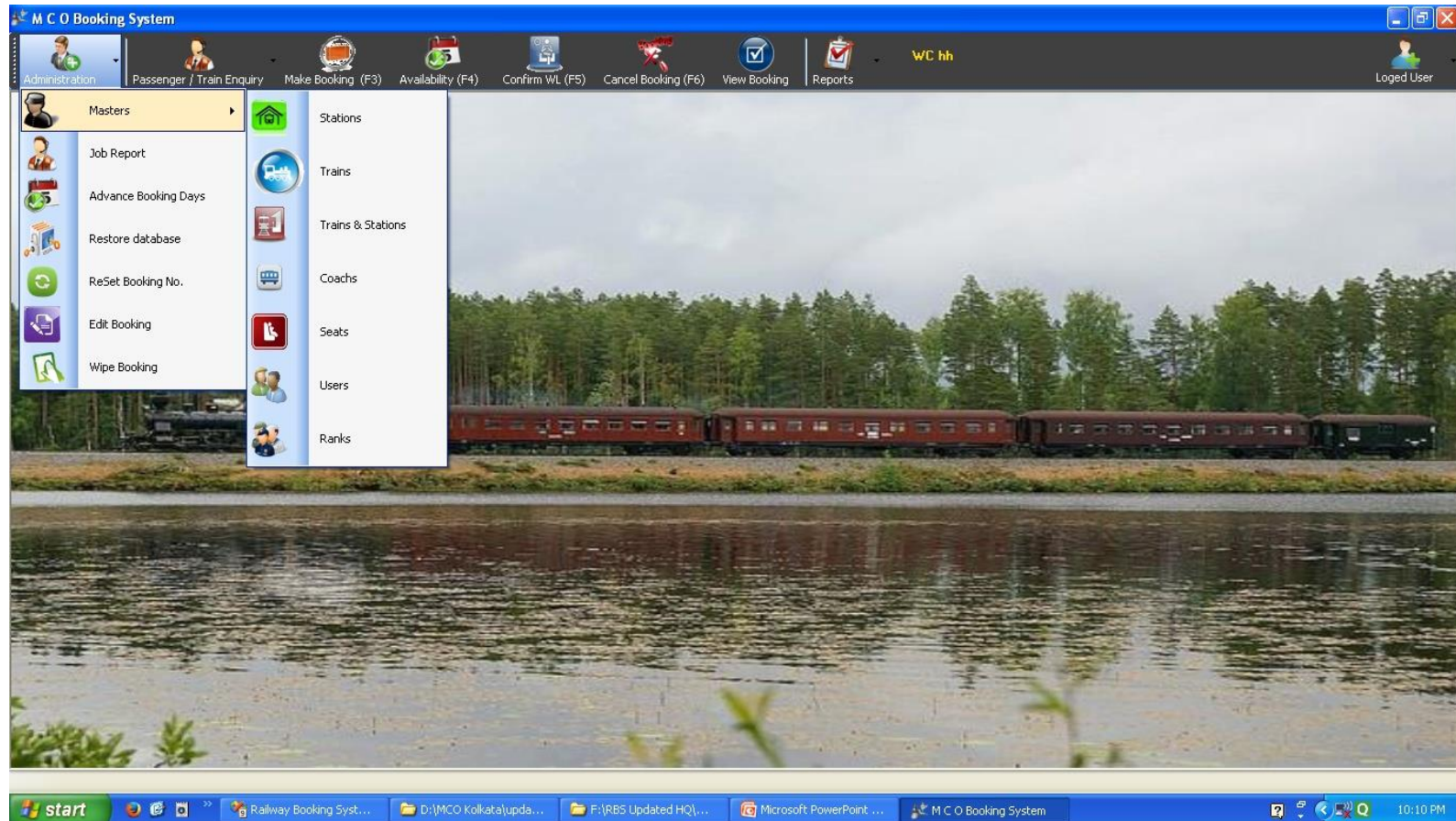
BASIC INFORMATION (USER)

- An Administrator can entry/edit/view details of the users from this window. It provides facilities - to add new user, to change existing user's level or password.

- System will accept three types of level. 1. Administrator, 2. Executive, 3.Viewer.

- Administrator can also temporarily Freeze any user's account.

BASIC INFORMATION (STATION)

- Station window provides a list of existing Stations and two search combo-box to find the existing Station.

- The windows by default in view mode, user have to press Add button to enter new Station.

- An Administrator can edit/delete a selected Station from this window.
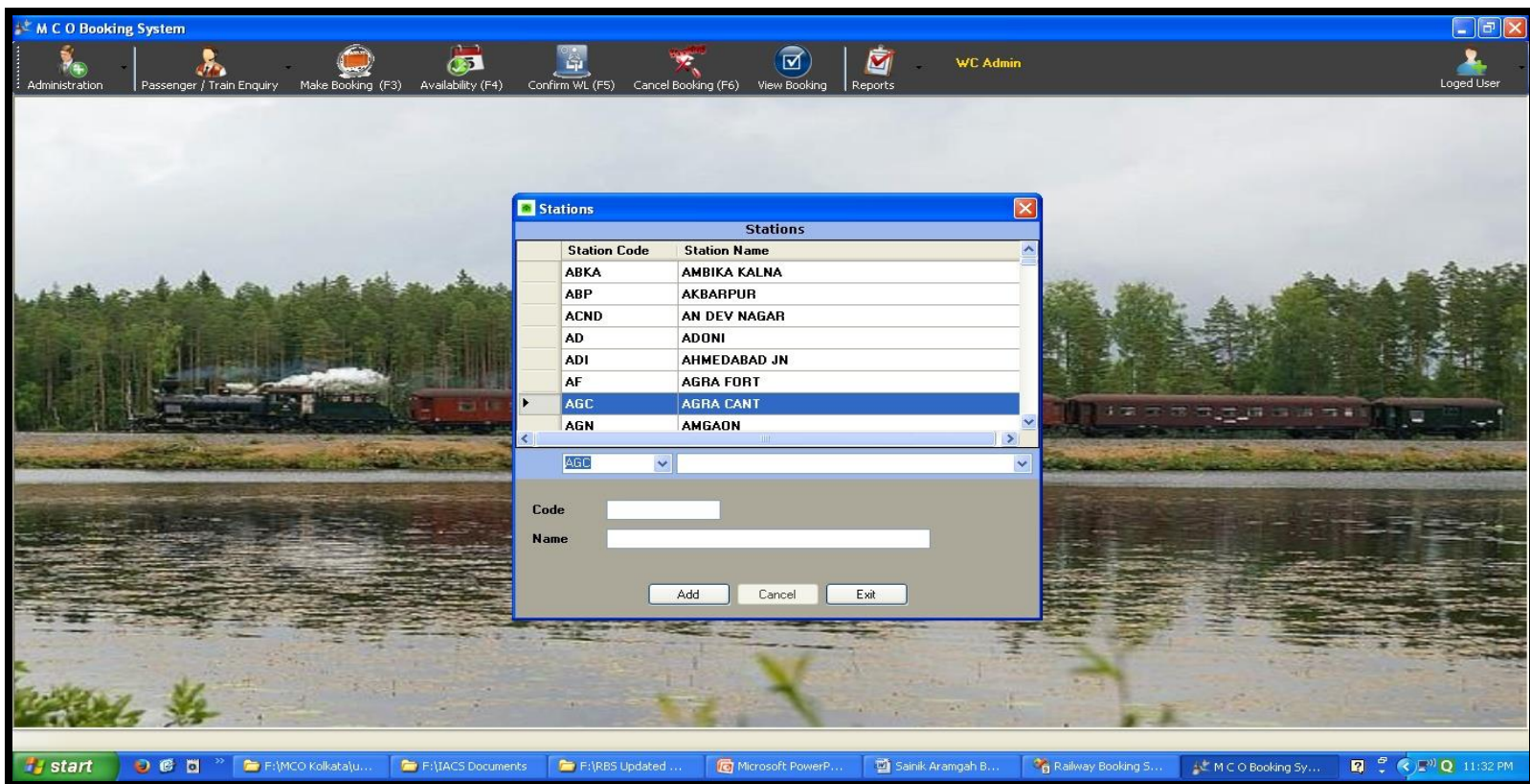
OTHER ADMINISTRATOR WORK (RESET BOOKING NO. FROM).

- This window provides when to reset booking no. From the given date the booking no. will start from One (1). It will require once in a year.
- You mast set this date before start booking.
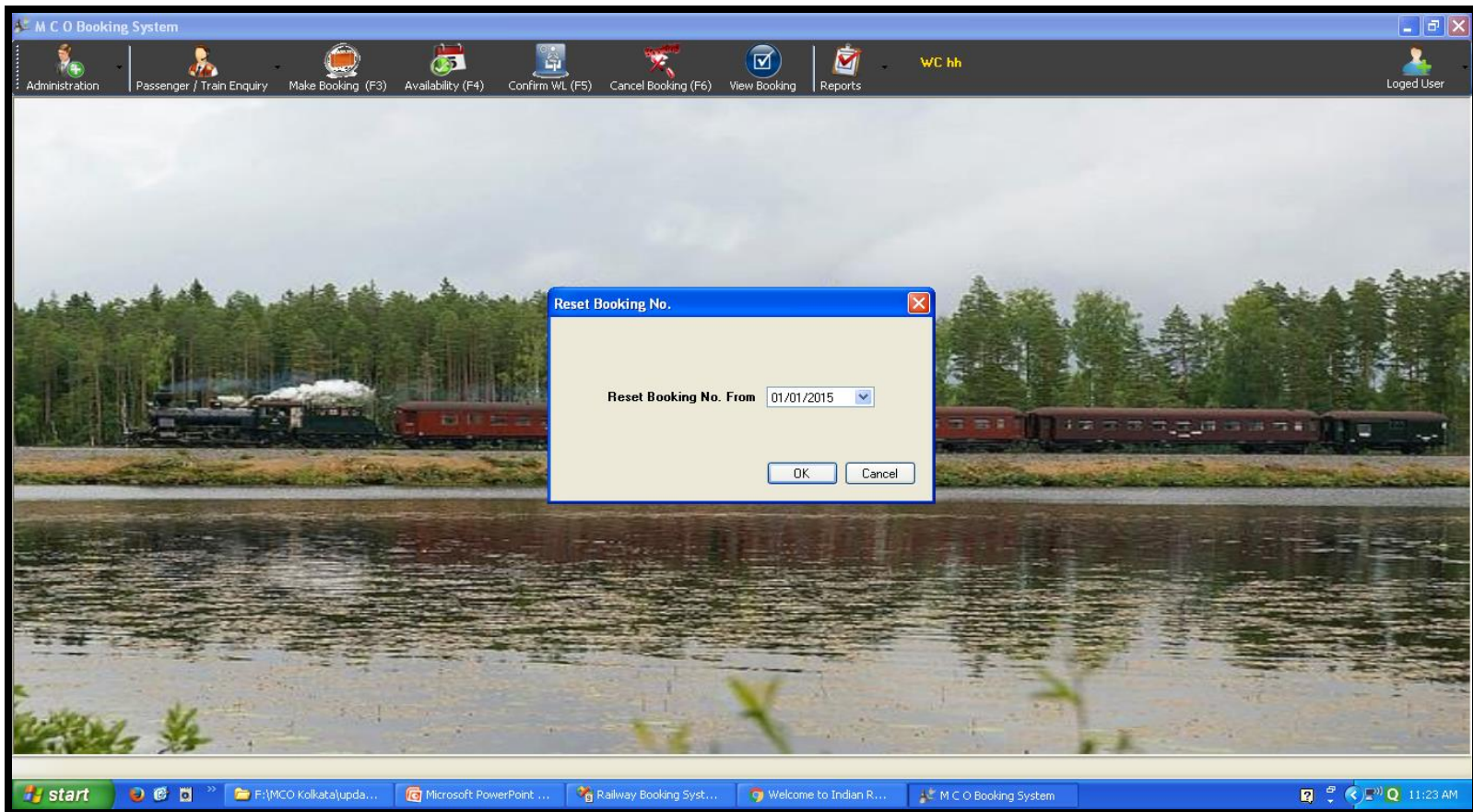
OTHER ADMINISTRATOR WORK (WIPE OUT BOOKING DATA).

- This window provides an option to delete all booking related data prior to two years of current computer date.

- You mast take a backup before running this option. It will increase the speed of operation time of the package.
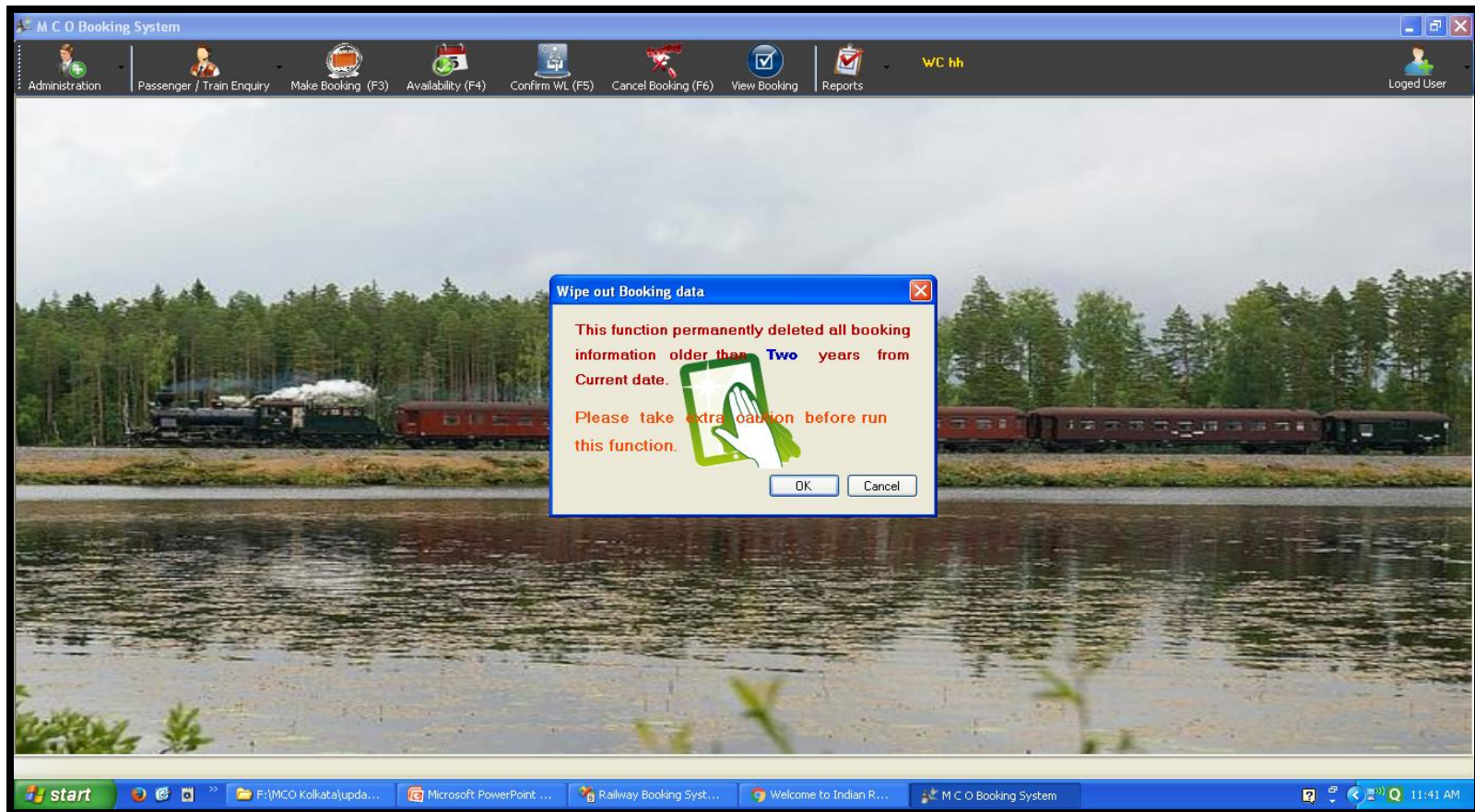
PASSENGER ENQUIRY. (LEVEL 1)

- The new flagship enquiry window under Passenger / Train Enquiry menu item provides two level enquiry on passenger details:

- Level 1 searches for passenger details of all booking data on full/Part of PNR No. or Phone No. or name of a passenger and shows in either on Booked list or in WL/EQ List as per passenger current status.

TRAIN ENQUIRY.

- Train Enquiry screen shows details of a selected train like Total Seats, Running days and all the stations it's stops after pressing the Search button.

- This window comes under train enquiry sub menu under Passenger / Train menu item.

AVAILABILITY. (TRAIN CLASS AND JOURNEY DATE.)

- The Availability windows provide current seats status viz. booked, waiting list and availability on a particular journey date. User can press next day button to view availability of another days without changing train or class. User can search by station wise and can go to booking window without changing date, train class.

REPORTS (TRAIN CHART)

- The most important report of RBES is Print / View of daily train chart.
- User have to select any Journey date and filter Railway to generate only that particular Railways chart. User can also select all train or some of them from the list.
- The list shows only DDQ Checked train.
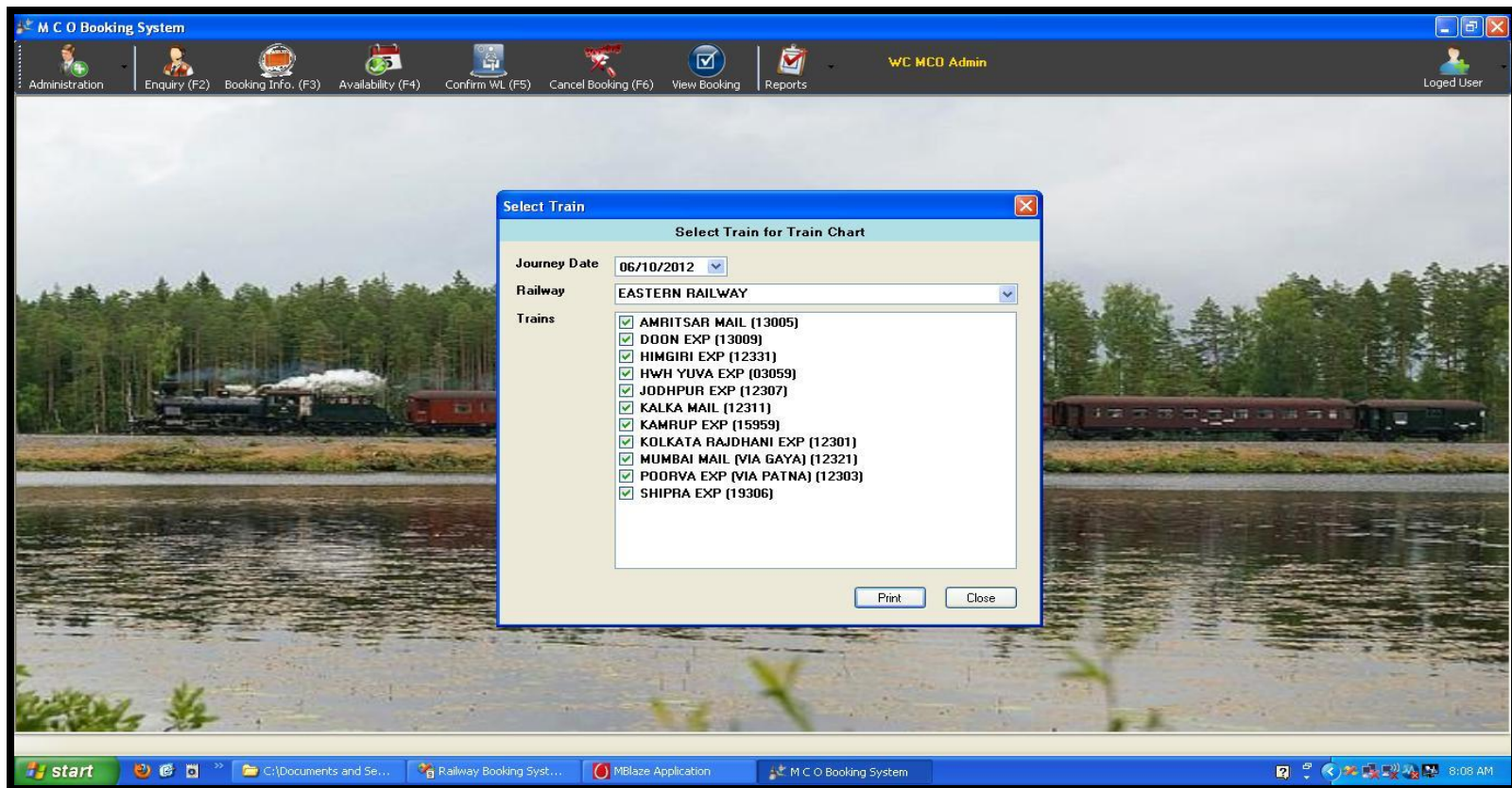
REPORTS (TRAIN CHART)

- The Chart comes with specified format of railway. Every report can be exported to Word, Excel or PDF format.

- Additional Train chart can also be printed in the same format.

REPORTS (BOOKING LIST)

- The New Booking list with waiting list and cancelation details are printed with passenger service information like rank, unit and Service No.
- Report can be generated after sorting on Booking / Journey Date and filtered by all or only waiting list or only Emergency Quota.

REPORTS (DDQ UTILIZATION)

- DDQ Utilization report can be generated with option of selected train. The report comes with Monthly, Quarterly, Half yearly and Yearly variation.
- The report filtered with date-from and date-to wise.
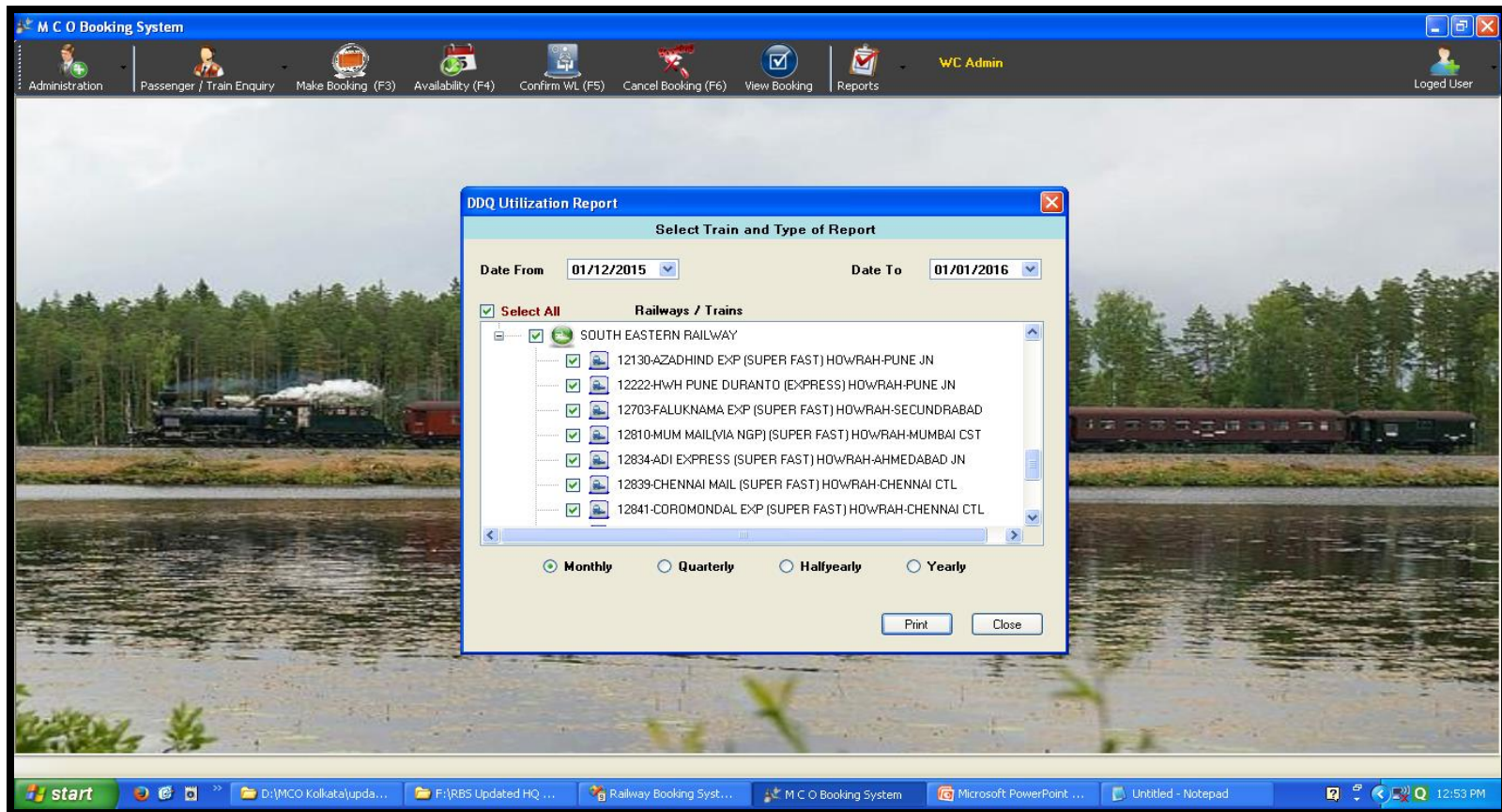
REPORTS (DDQ UTILIZATION)

- DDQ Utilization report comes with Class wise, Month wise & Day wise breakup of quota utilization. Total DDQ of selected date range will be printed in the end of the report.

- This report also come with daily utilization version. All report can export to Word, Excel and PDF.

LOGGED USER

- The Logged user menu provides sub menu of change of password of current logged user, Log off from the system or exit from booking software.
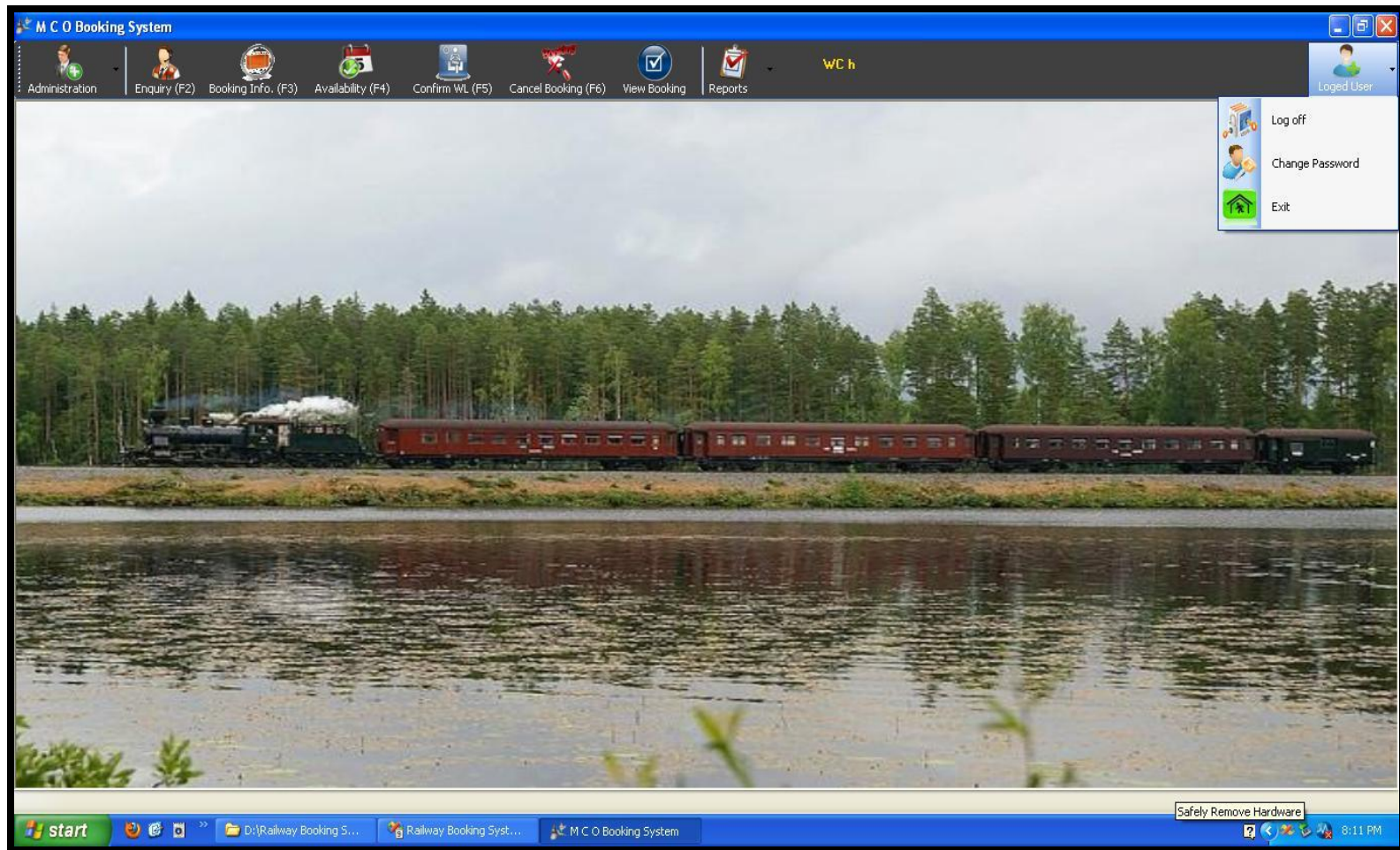
INSTALLATION & TRAINING TIME TABLE

SINGLE USER (STANDALONE COMPUTER) ONLINE / SUPPORT PERSONAL

Installation & first Look.	New RBES Single User system has built-in database, so no need to install separate database. As in half an hour the Software can be installed via online or by our Support Personal.
Training	Maximum two days will be required for training, if user have knowledge of Computer & manual system of booking process. So he/she can easily operate the system through this document.

MULTI USER (SERVER & NOTES COMPUTER)

ONLINE / SUPPORT PERSONAL

Installation & first Look.	One day will be required for installation & Configuration of SQL Server and link it with Frontend package. Data Server & Package installation can be made in the same day.
Training	Maximum two days will be required for training, if user have knowledge of Computer & manual system of booking process. So he/she can easily operate the system through this document.
Warranty	The RBES software comes with life time warranty of any bugs. We provide 24 x 7 days online support or sending Support personal if required.

COST OF THE SOFTWARE

Single User (Standalone Computer)	Multi User (Server & Notes Computer)
The cost of the software is **₹19000/-.** (Nineteen thousand only) per installation.	The cost of the software is **₹26000/-.** (Twenty six thousand only) per installation.
No Extra cost for online installation and training.	
The offline installation and training cost outside Kolkata will be extra, which will include lodging , fooding & Transportation cost of the executive for maximum of two days to install the software & training of the user. The manpower cost will be ₹1000/- per day for our executive, for staying more than 2 days other than above mentioned cost, due to your Computer failure or Network failure.	
Software Service bill amount mast pay within 45 days from the date of Installation of software.	

Cost of the software

For bulk order price can be negotiable.

Any major alteration or upgradation will be charged extra.

We do not entertain any hardware related problem like Computer Operating system, LAN Installation (for multi user system). You have to solved it separately.

Please provide internet connection to our Executive (for offline Installation & training) for any type of requirement to contact with the Office or upgrading any required software's.

THANKING YOU.

Communicate for Consultancy.

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