Introduction

JMA Borelog is a bore log software that will help users to create soil bore logs and plot subsurface profiles atomize way along selected alignment. The data entry is made simple to provide the commonly used input data such as technical field log data, stratigraphy data and laboratory test data.

Contents

❖ Getting Started

The JMA's Borelog and Profile Plotting Software is a creative launching pad that you can use to add, edit, run and print the Borelogs and Profiles. This overview article introduces you to basic features provided in the product, including creating Project, adding details of Borelogs and then Plotting of Borelogs and Profiles.

❖ Features Provided in the Product

- Product provides atomized way to Plot Borelogs and Profiles
- Easy Data entry
- Scale can be changed as per requirement
- Patterns can be changed as per requirement
- Paper Size can be changed as per requirement for Profile Plotting

❖ Installing the JMA's Borelog and Profile Plotting Software

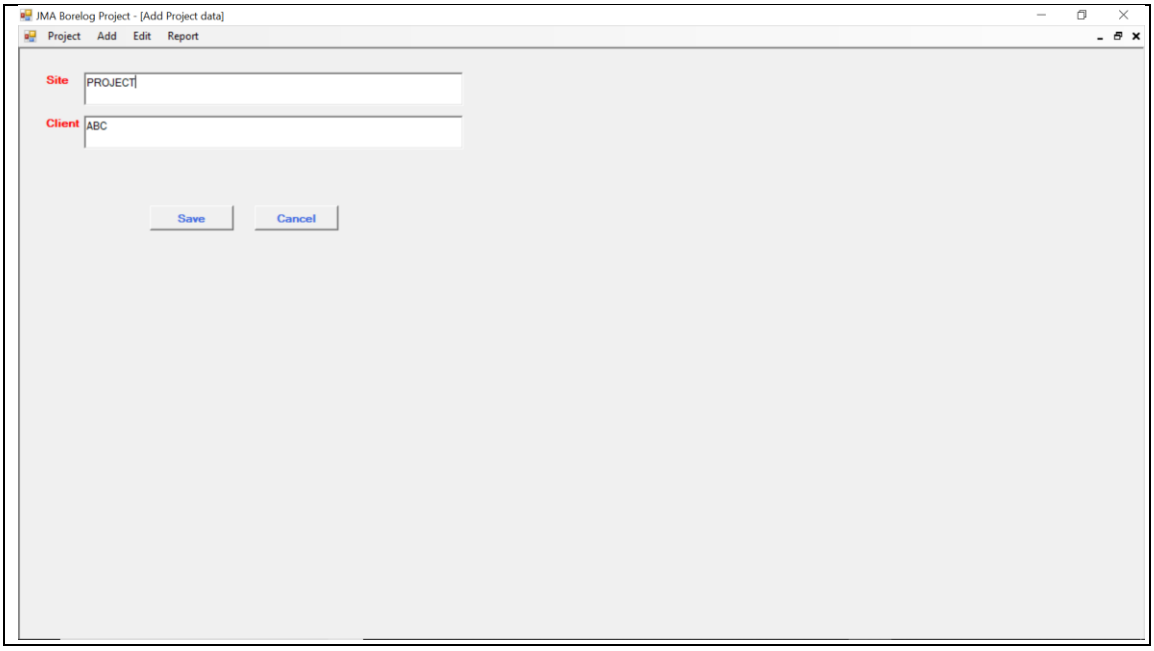
1. Setup.exe file located at "C:\JMABorelog\JMABoreProject\Publish"
2. Choose the Folder
3. Product is ready to use

❖ How to Start the Program

1. Double Click on JMABorelog Icon in Start Menu
2. You are now in JMA's Borelog and Profile Plotting environment

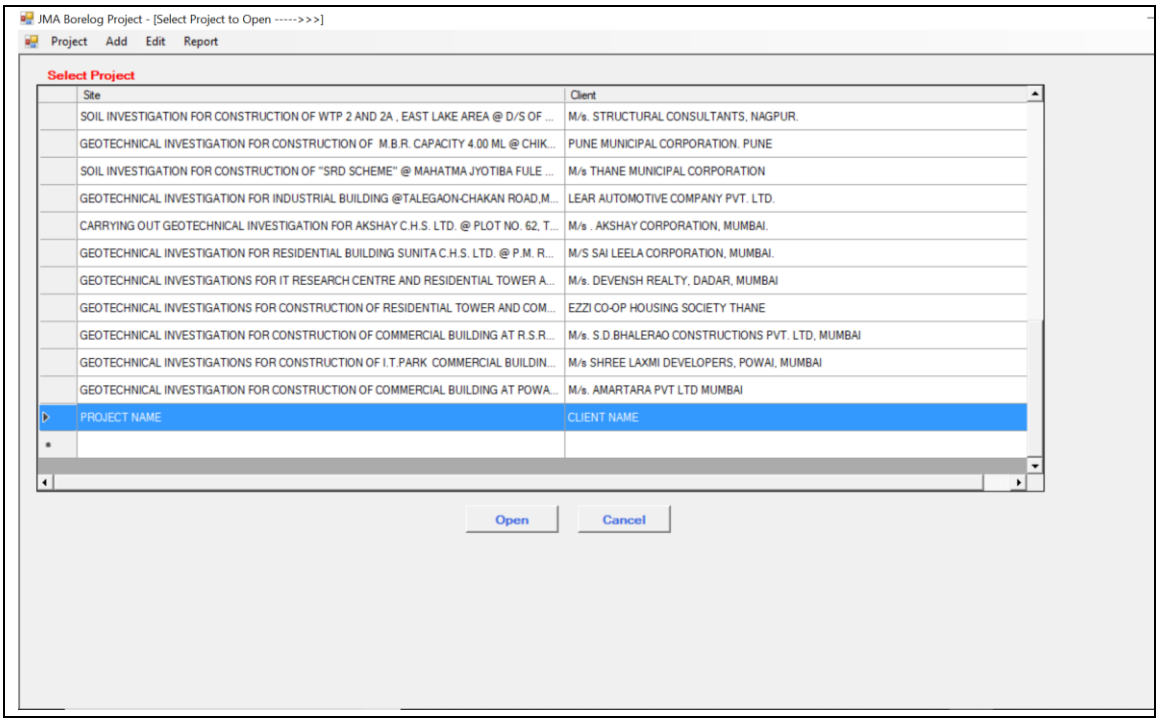
❖ Creating a New Project

1. Click on **Project** --- > **Add New**
2. A data entry form will appear for new Project
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record



❖ Opening existing Project

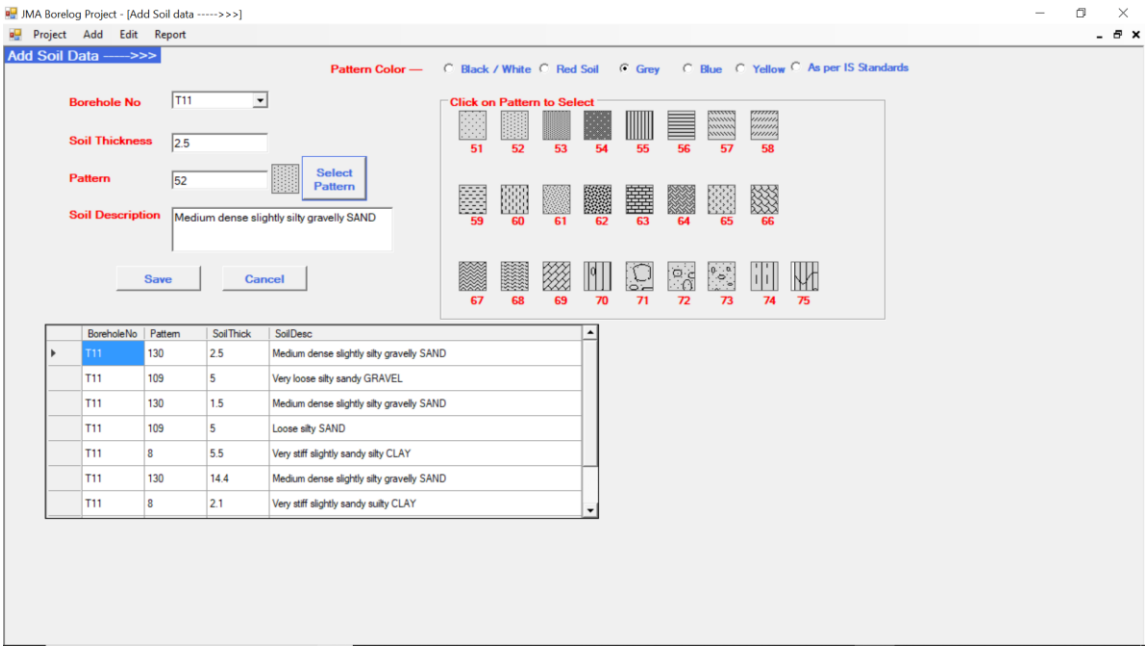
1. Click on Project --- > Open
2. Form to Select Project will appear
3. Select Project name from list
4. Click on Open button



Now you are ready to enter field values / View/Print Reports for the Project. Go step by step and make the data entry.

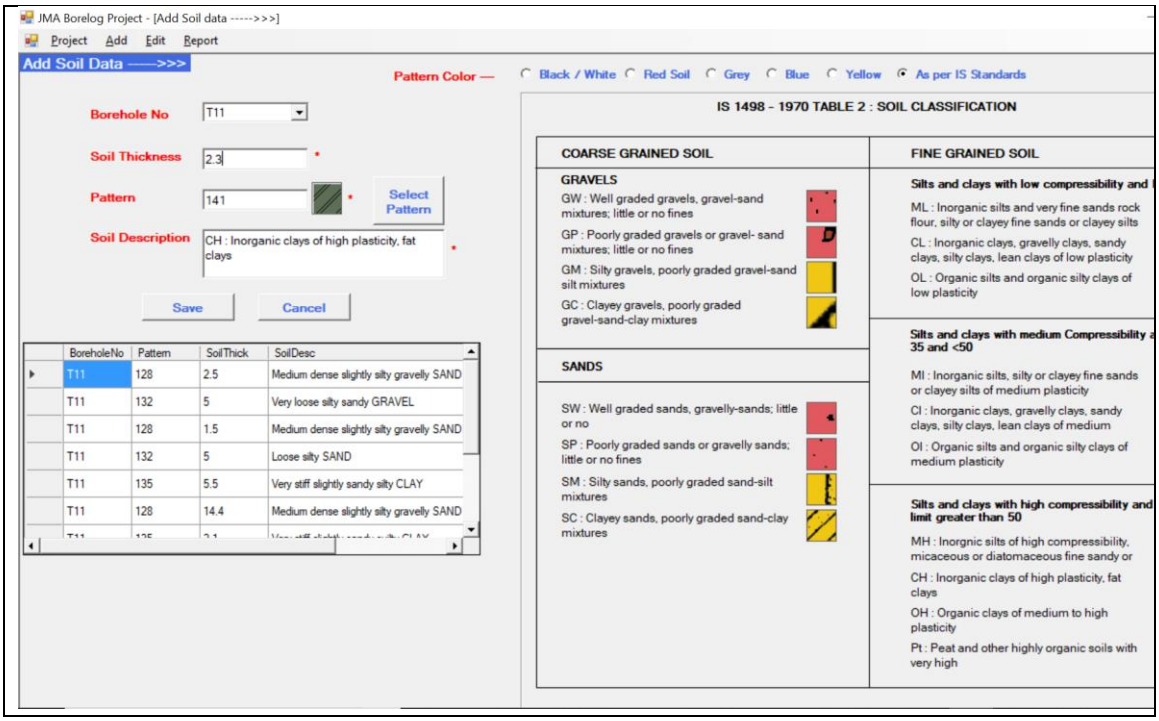
❖ Add Borelog Data

1. Click on Add – > Borehole Data
2. A data entry form will appear for new Borehole Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all Boreholes



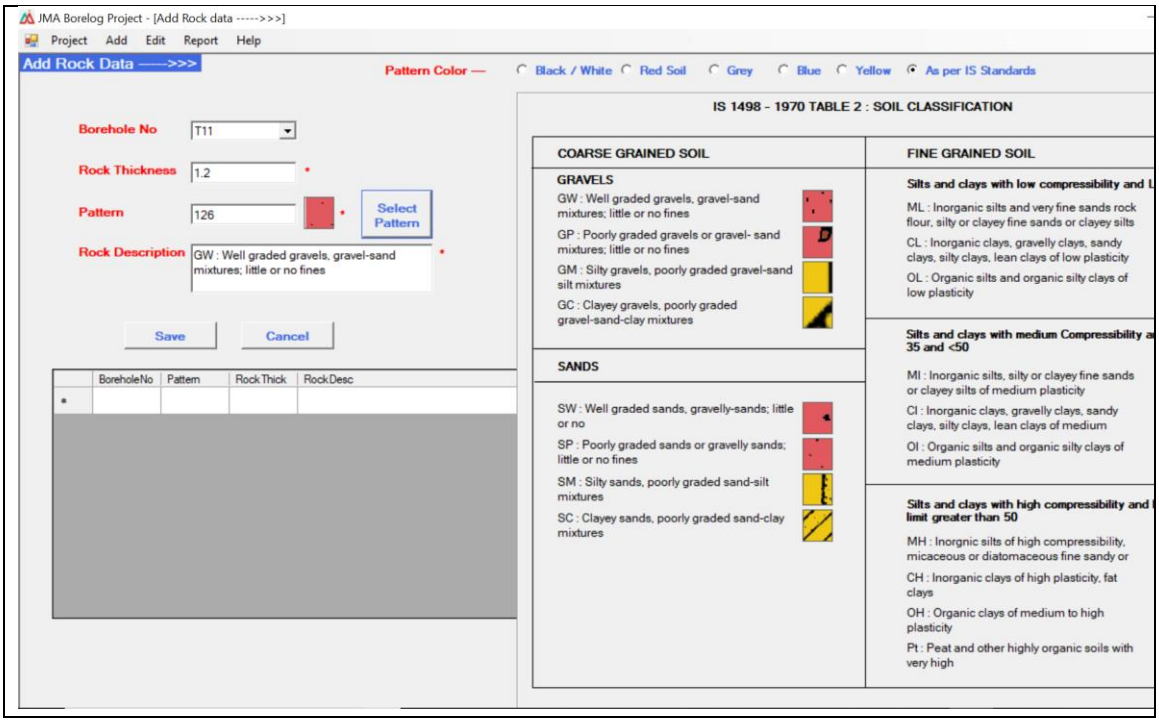
❖ Add Soil Data

1. Click on Add – > Soil Data
2. A data entry form will appear for Soil Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all Soil data



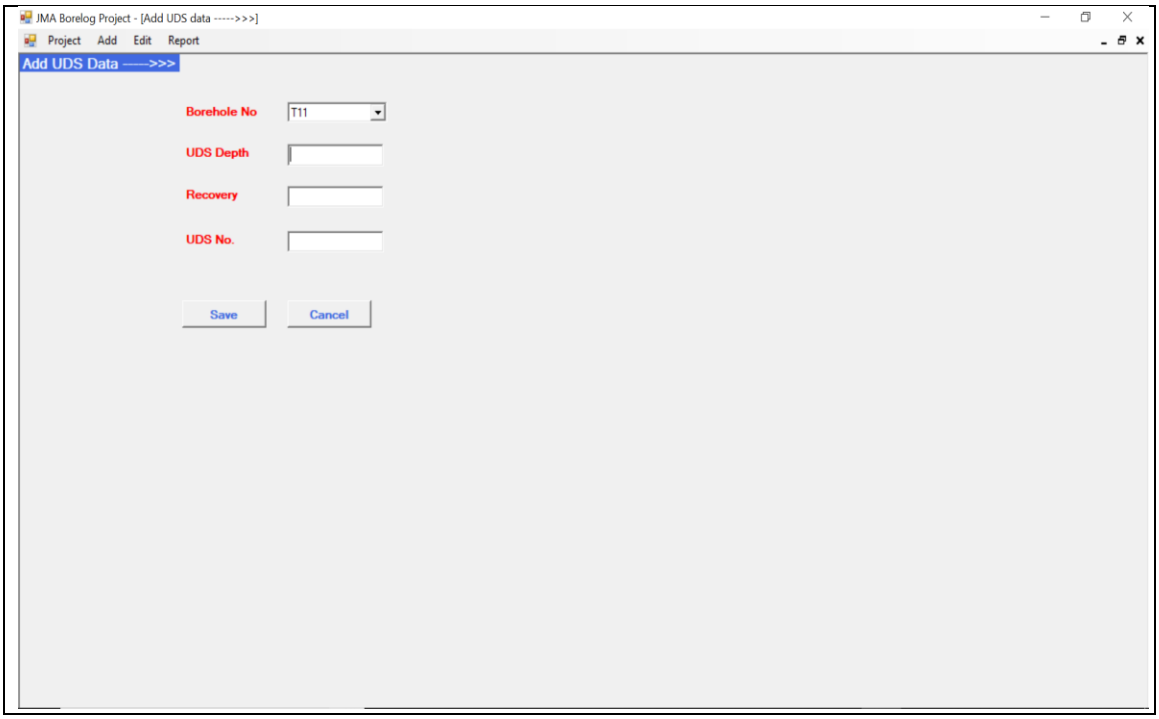
❖ Add Rock Data

1. Click on Add – > Rock Data
2. A data entry form will appear for Rock Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all Rock data



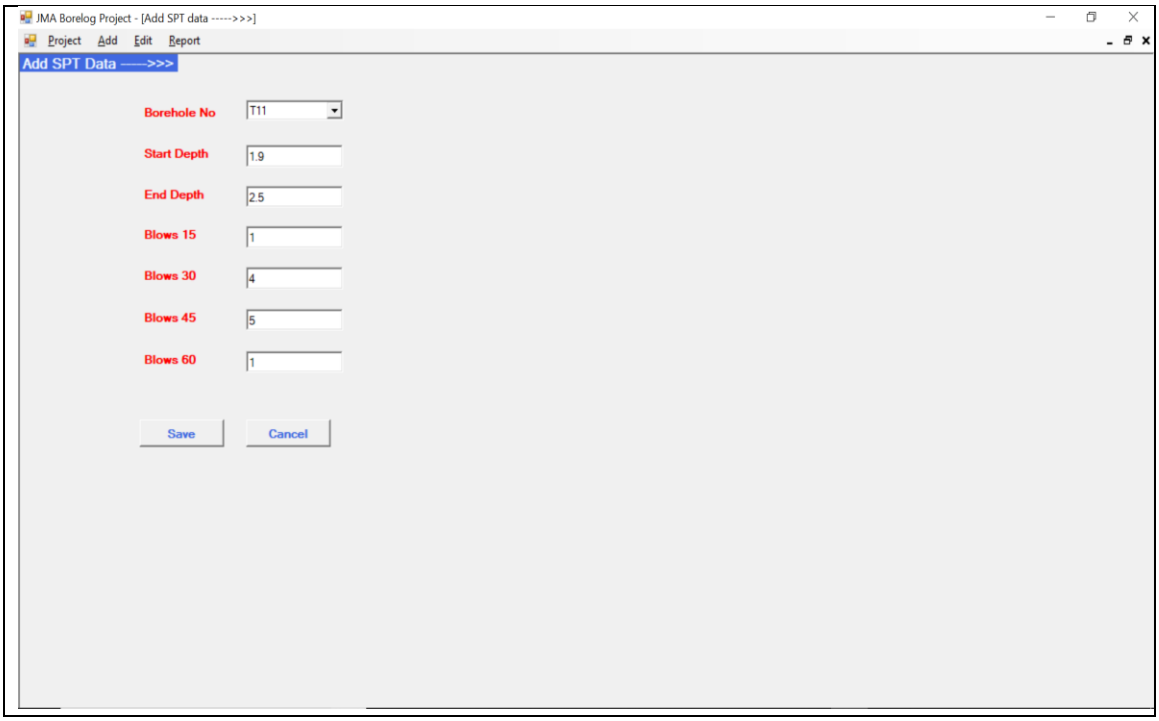
❖ Add UDS Data

1. Click on Add – > UDS Data
2. A data entry form will appear for UDS Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all UDS data



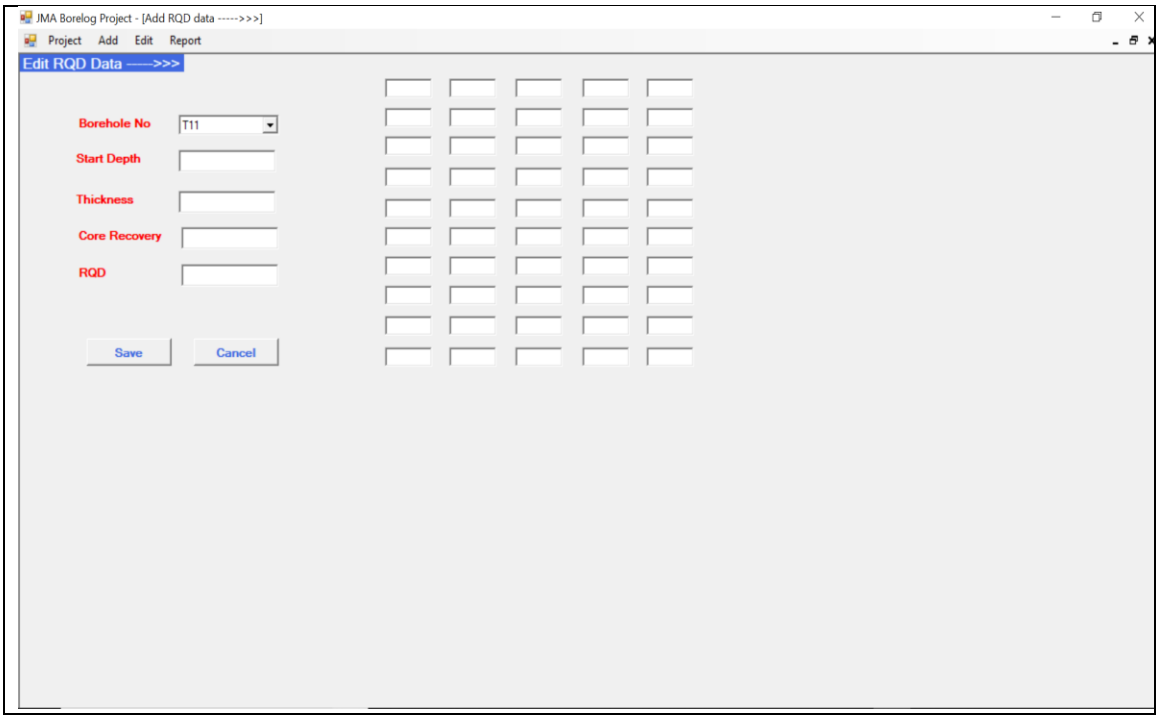
❖ Add SPT Data

1. Click on Add – > SPT Data
2. A data entry form will appear for SPT Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all SPT data



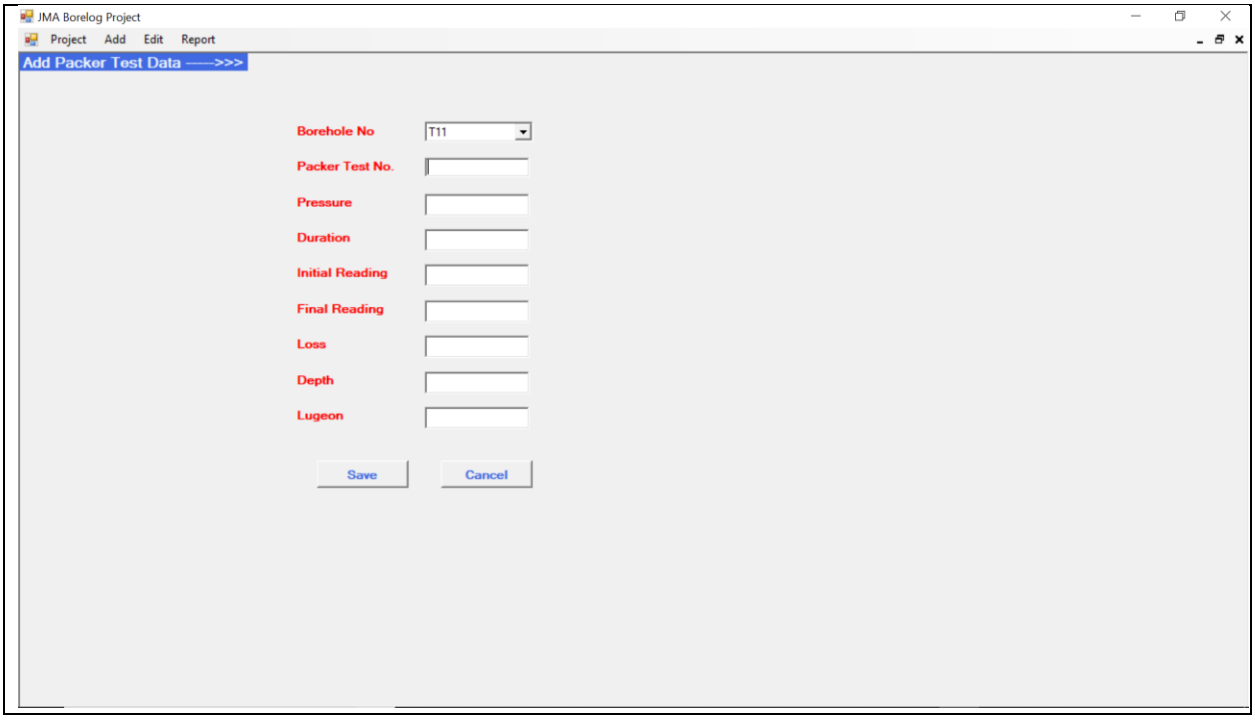
❖ Add RQD Data

1. Click on Add – > RQD Data
2. A data entry form will appear for RQD Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all RQD data



❖ Add Packer Test Data

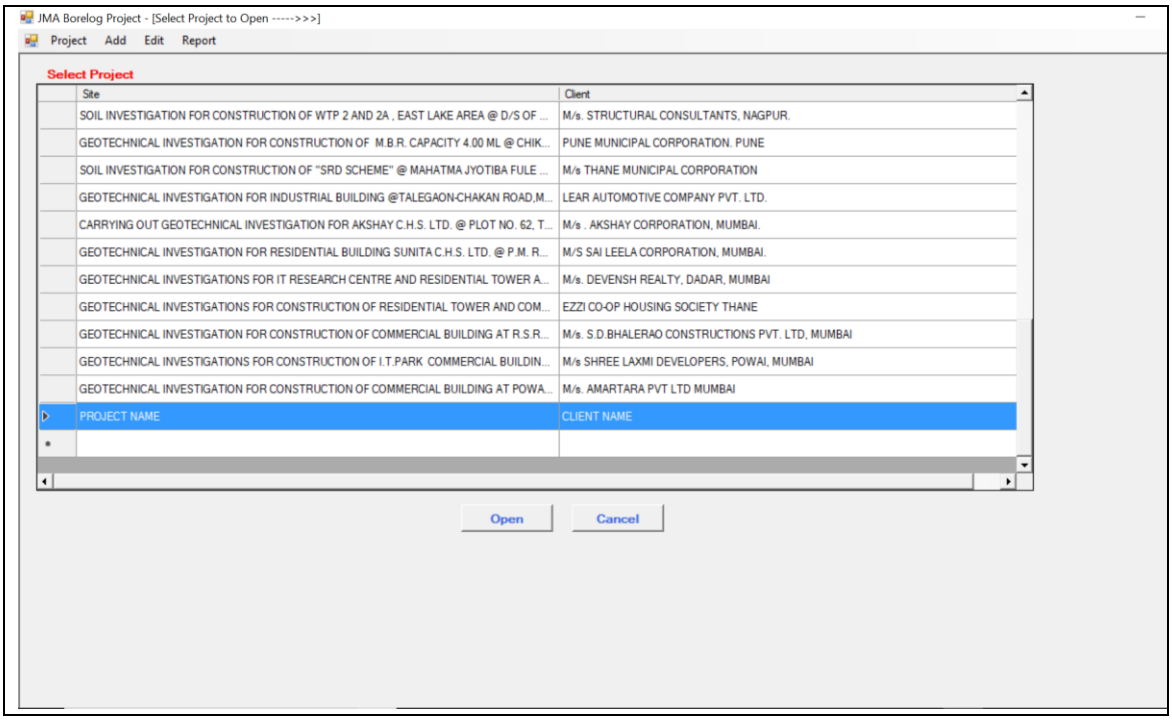
1. Click on Add – > Packer Test Data
2. A data entry form will appear for Packer Test Data
3. Enter Field values
4. Fields marked * are Compulsory
5. Make sure data is entered properly
6. Save the Record
7. Repeat the process for all Packer Test data



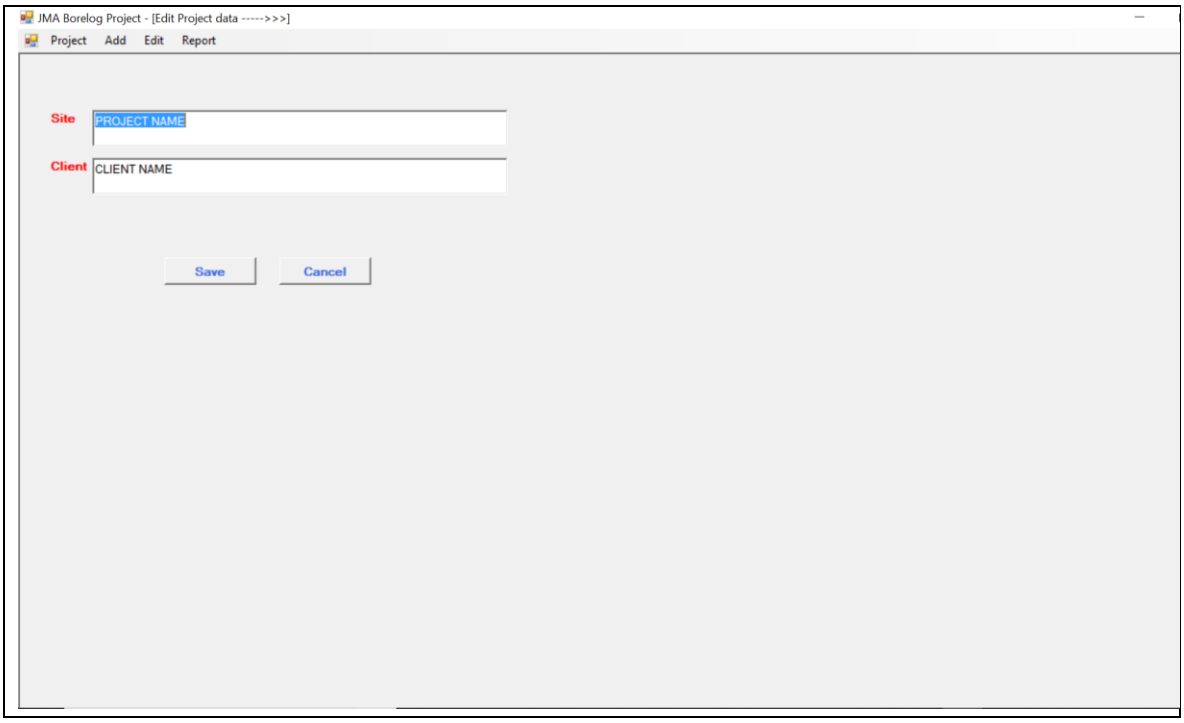
❖ Edit Project Data

If existing data needs to changed for some reasons then you can easily do it with Edit Option.

1. Click on Project --- > Edit Existing
2. A data entry form will appear to Select existing Project



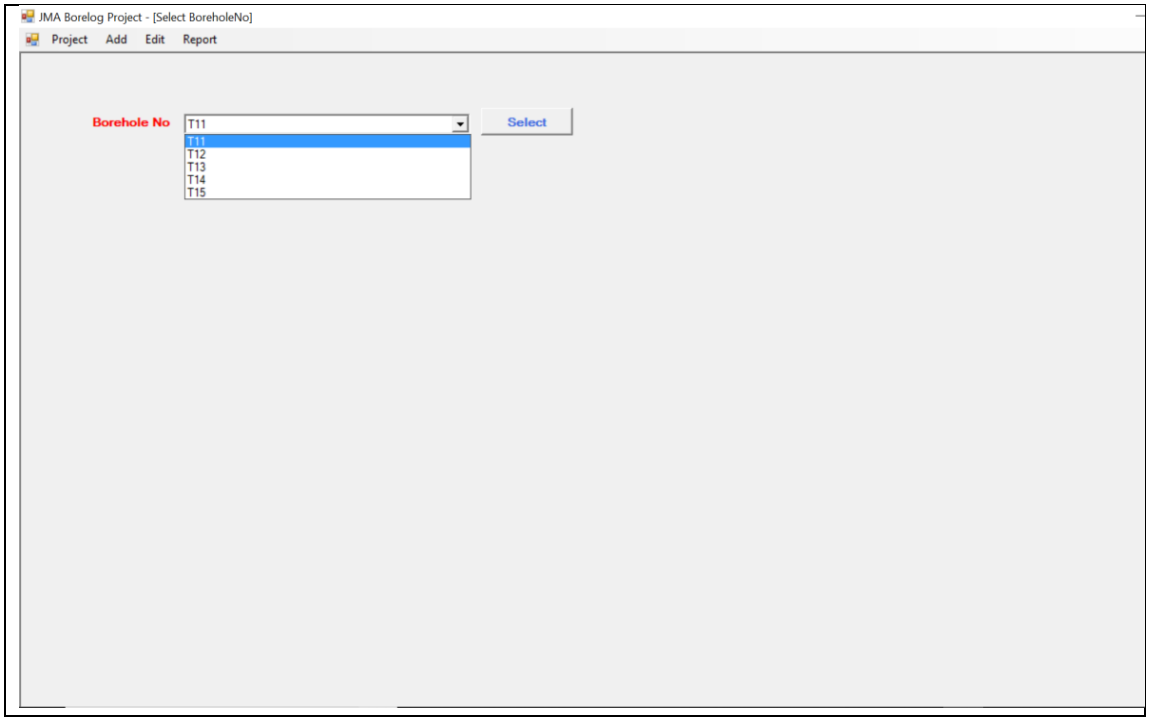
3. Select Project from the list and click on Open Button
4. Form to Edit existing Project will appear



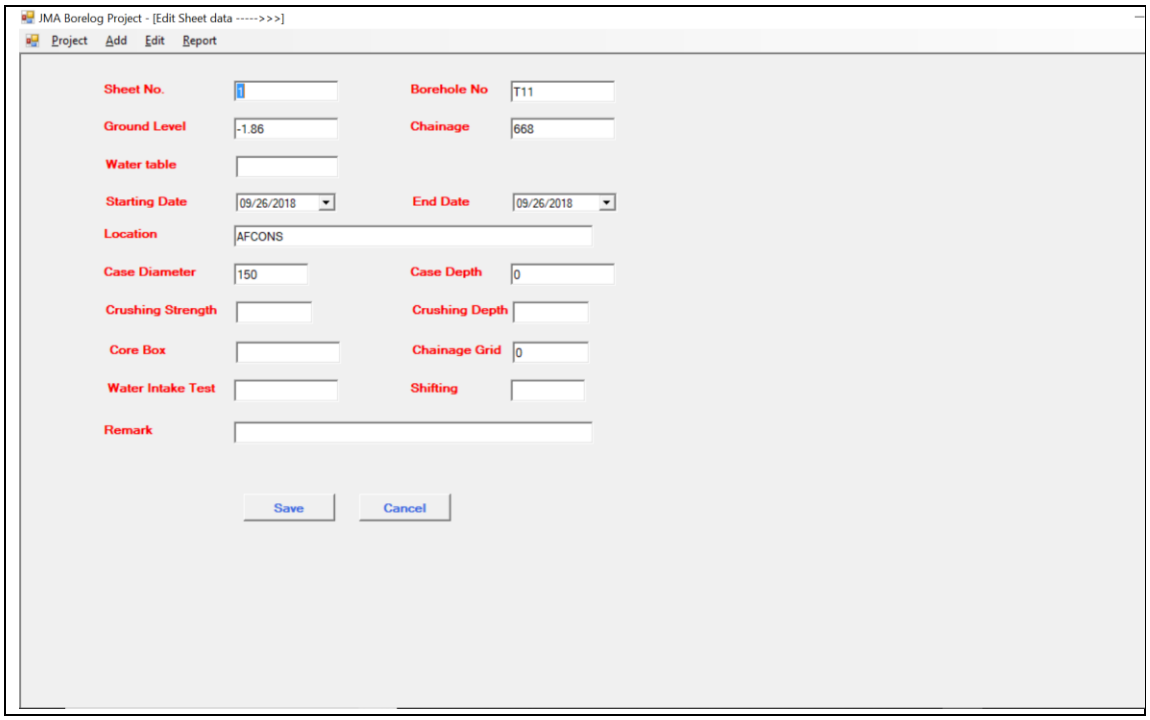
5. Make the Changes
6. Fields marked * are Compulsory
7. Make sure data is entered properly
8. Save the Record

❖ Edit Borelog Data

1. Click on Edit – > Borehole Data
2. Form to select Borehole No. will appear



3. Select Borehole No. that needs to edited
4. Click on Select Button
5. A data entry form will appear to edit Borehole Data

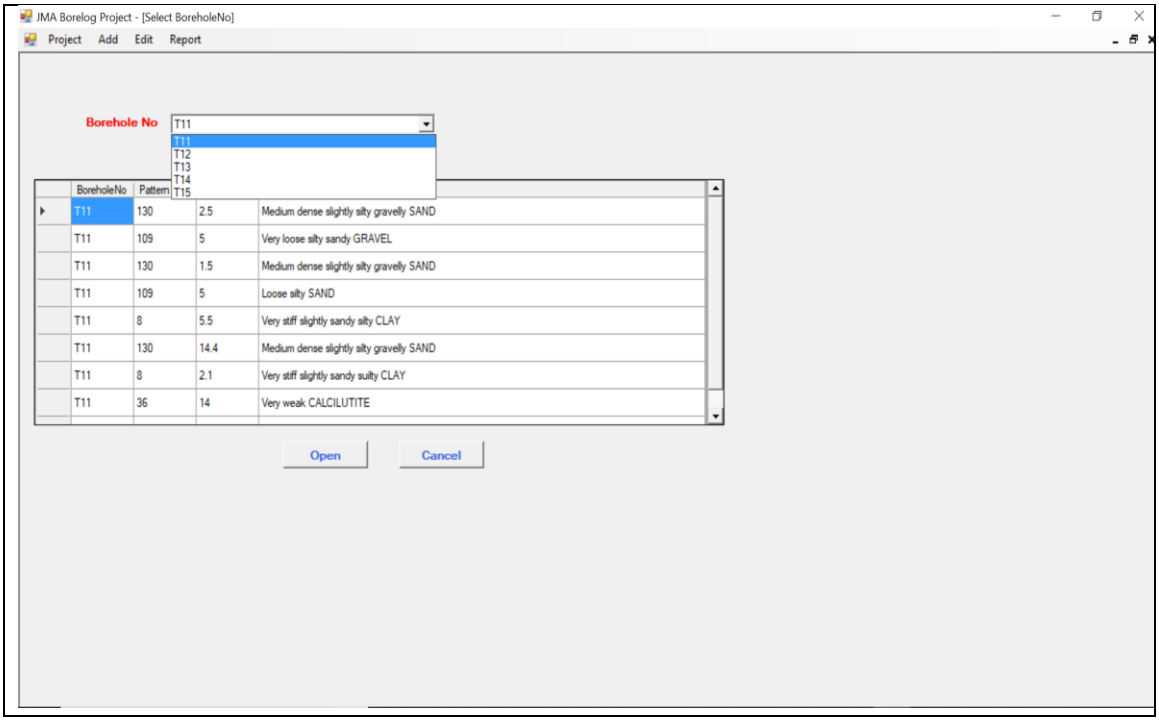


6. Make changes
7. Fields marked * are Compulsory
8. Make sure data is entered properly
9. Save the Record
10. Repeat the process for all Boreholes

❖ Edit Soil Data

1 Click on Edit – > Soil Data

2 Form to select Borehole No. will appear



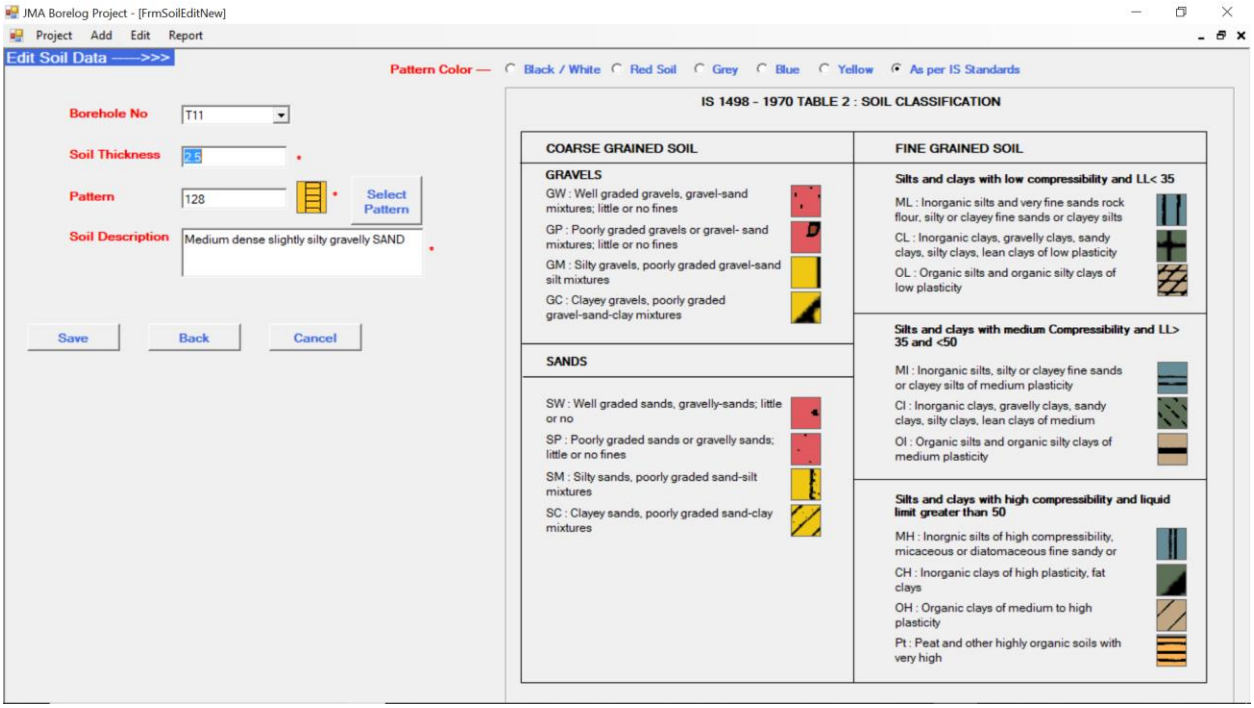
3 Select Borehole No. for which Soil data needs to edited

4 All the records of Soil for selected Borehole No will be displayed

5 Click on the record that needs to be edited

6 Click on Select Button

7 A data entry form will appear to edit Soil Data

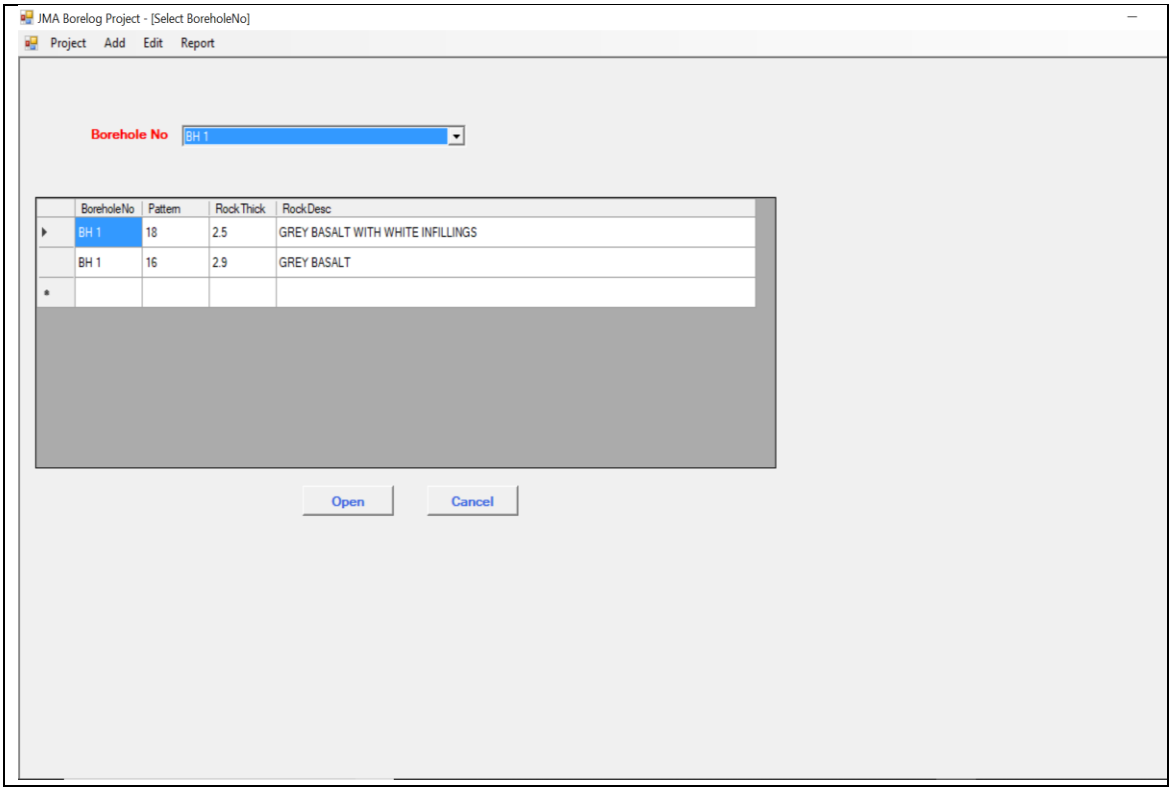


8 Make Changes
9 Fields marked * are Compulsory
10 Make sure data is entered properly
11 Save the Record
12 Repeat the process for all Soil data by pressing Back button

❖ Edit Rock Data

1 Click on Edit – > Rock Data

2 Form to select Borehole No. will appear



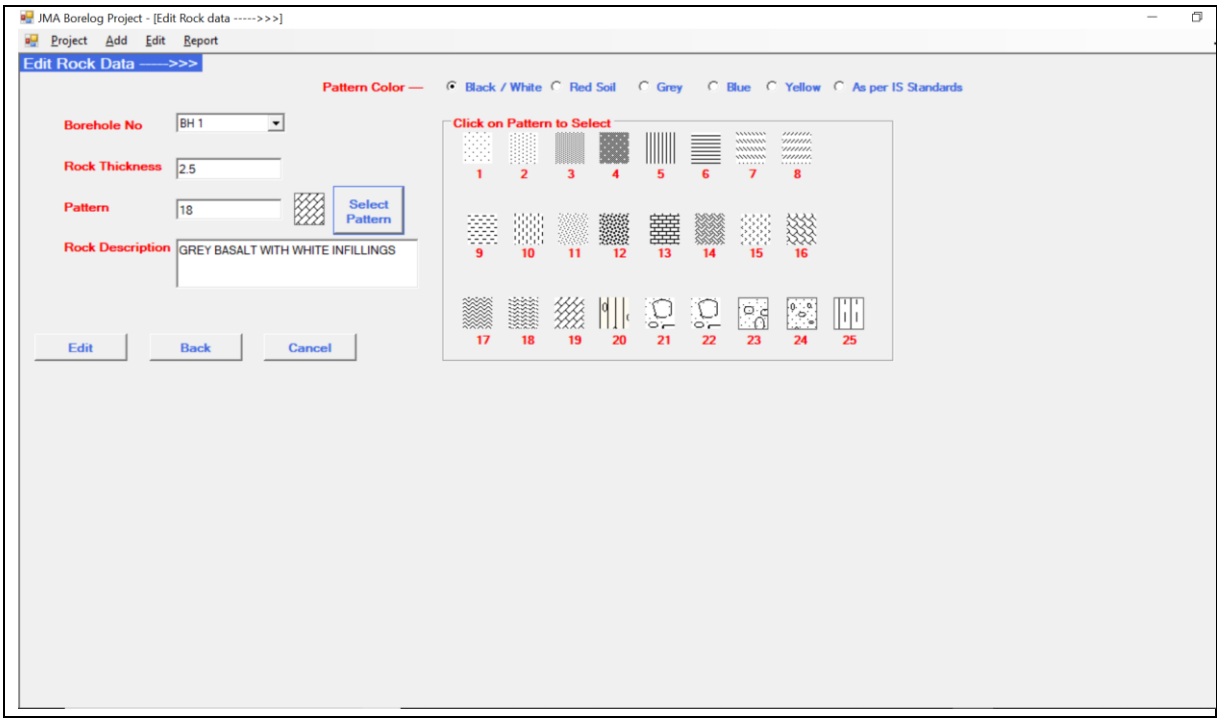
3 Select Borehole No. for which Rock data needs to edited

4 All the records of Rock for selected Borehole No will be displayed

5 Click on the record that needs to be edited

6 Click on Select Button

7 A data entry form will appear to edit Rock Data

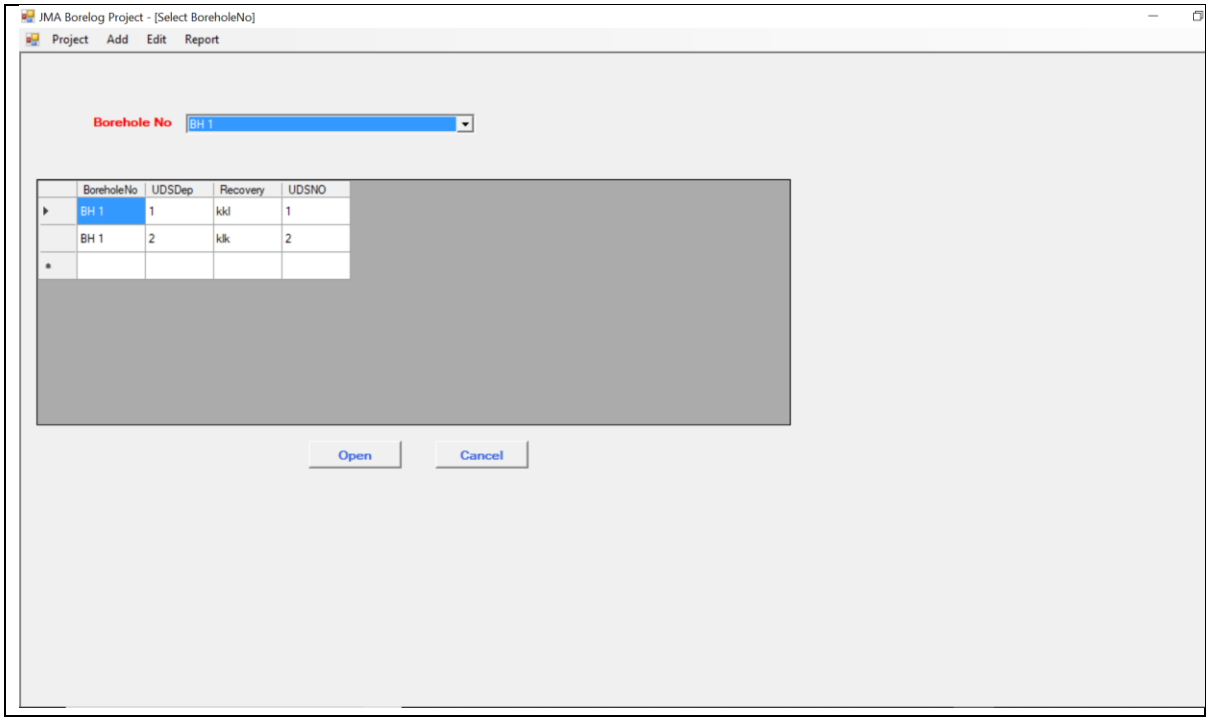


8 Make changes
9 Fields marked * are Compulsory
10 Make sure data is entered properly
11 Save the Record
12 Repeat the process for all Rock data by pressing Back button

❖ Edit UDS Data

1 Click on Edit – > UDS Data

2 Form to select Borehole No. will appear



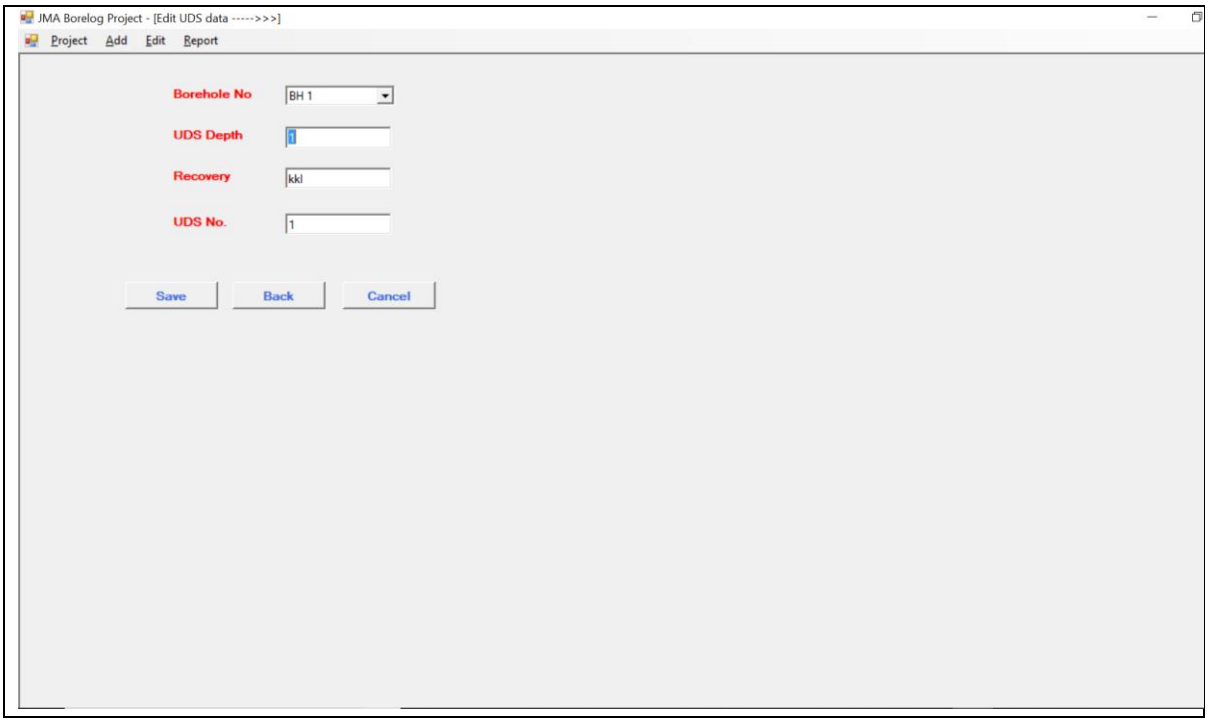
3 Select Borehole No. for Which UDS data needs to edited

4 All the records of UDS for selected Borehole No will be displayed

5 Click on the record that needs to be edited

6 Click on Select Button

7 A data entry form will appear to edit UDS Data

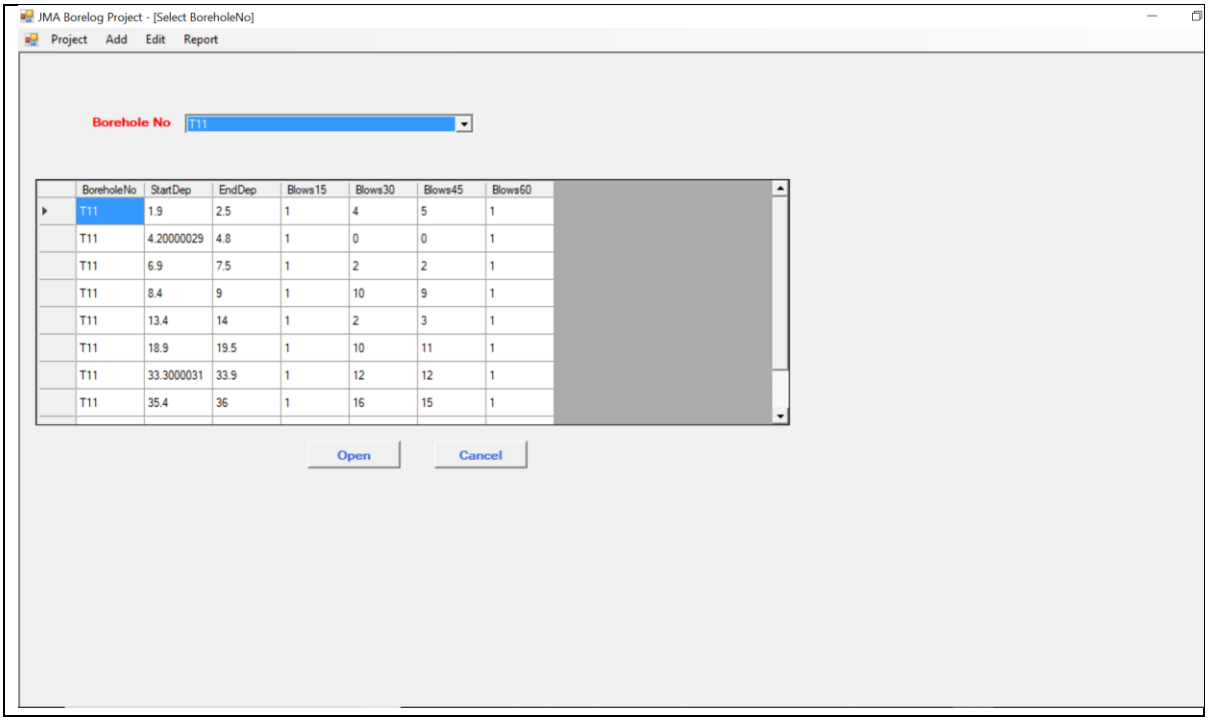


8 Enter Field values
9 Fields marked * are Compulsory
10 Make sure data is entered properly
11 Save the Record
12 Repeat the process for all UDS data by pressing Back button

❖ Edit SPT Data

1 Click on Edit – > SPT Data

2 Form to select Borehole No. will appear



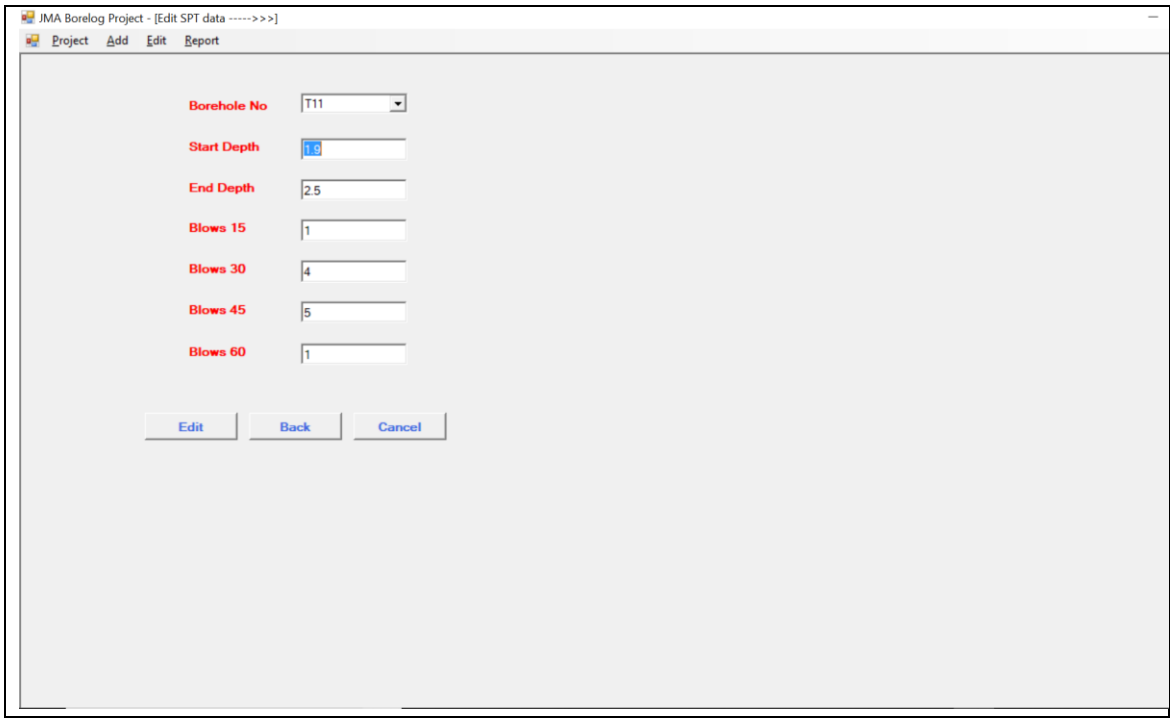
3 Select Borehole No. from list for Which SPT data needs to edited

4 All the records of SPT for selected Borehole No will be displayed

5 Click on the record that needs to be edited

6 Click on Select Button

7 A data entry form will appear to edit SPT Data

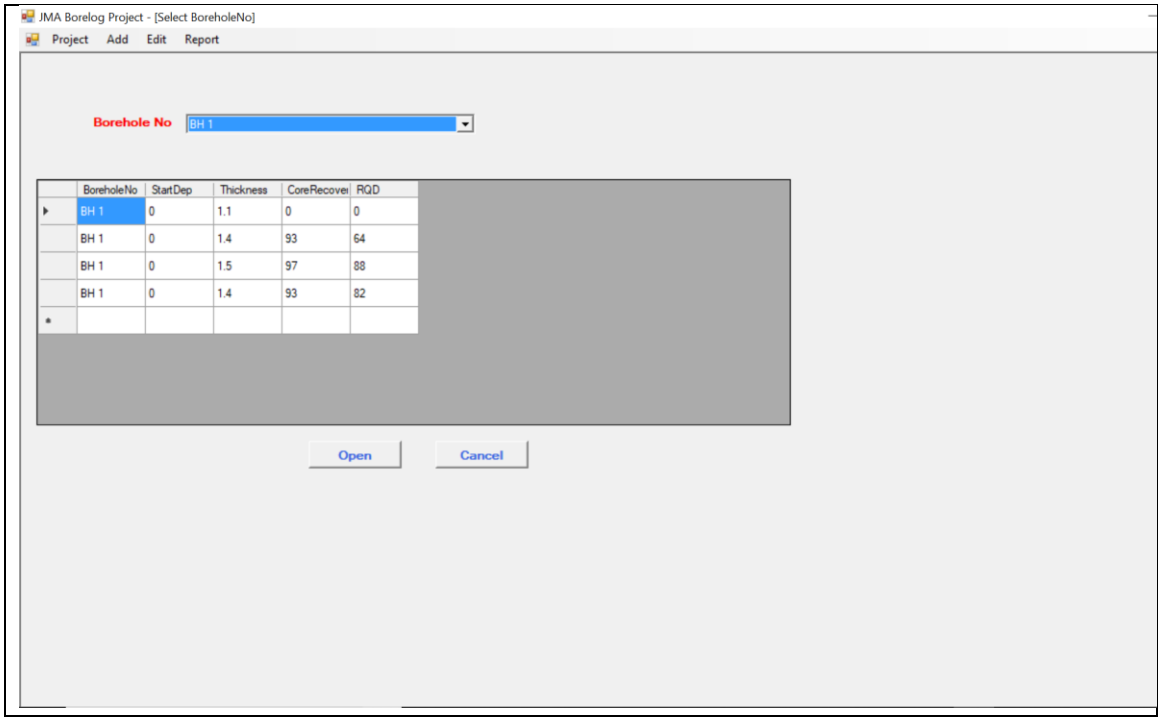


8 Enter Field values
9 Fields marked * are Compulsory
10 Make sure data is entered properly
11 Save the Record
12 Repeat the process for all SPT data by pressing Back button

❖ Edit RQD Data

1 Click on Edit – > RQD Data

2 Form to select Borehole No. will appear



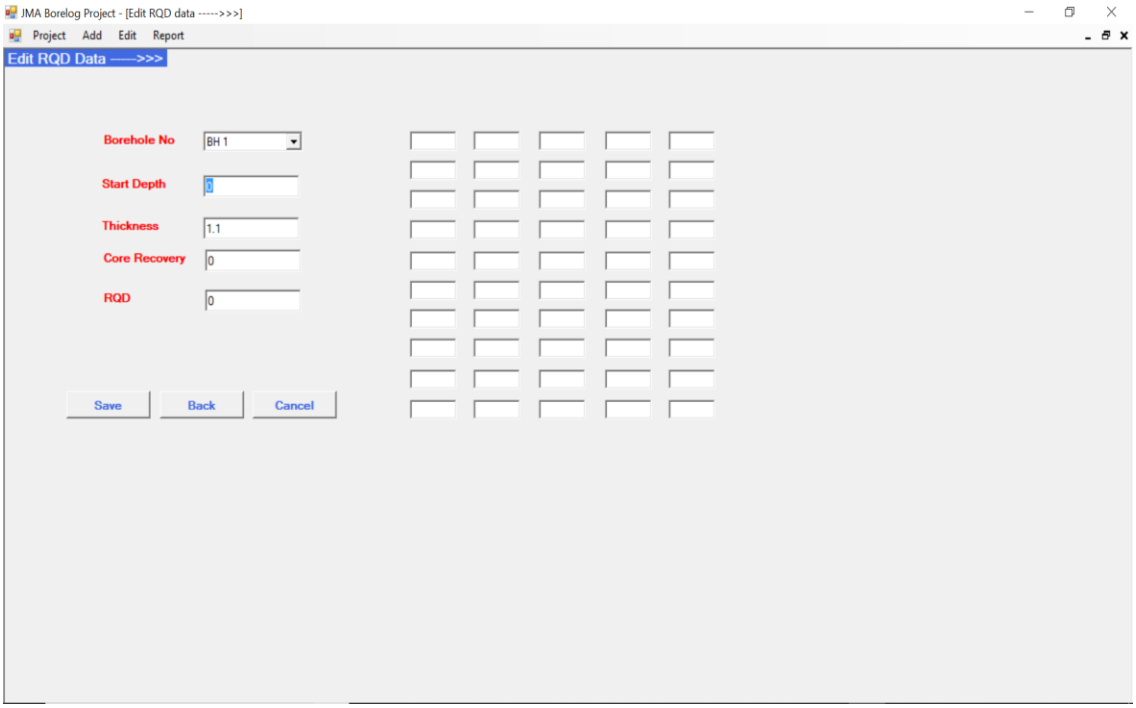
3 Select Borehole No. for Which RQD data needs to edited

4 All the records of RQD for selected Borehole No will be displayed

5 Click on the record that needs to be edited

6 Click on Select Button

7 A data entry form will appear to edit RQD Data



8 Enter Field values
9 Fields marked * are Compulsory
10 Make sure data is entered properly
11 Save the Record
12 Repeat the process for all RQD data by pressing Back button

❖ Edit Packer Test Data

1 Click on Edit – > Packer Test Data
2 Form to select Borehole No. will appear
3 Select Borehole No. for Which Packer Test data needs to edited
4 All the records of Packer Test for selected Borehole No will be displayed
5 Click on the record that needs to be edited
6 Click on Select Button
7 A data entry form will appear to edit Packer Test Data
8 Enter Field values
9 Fields marked * are Compulsory
10 Make sure data is entered properly
11 Save the Record
12 Repeat the process for all Packer Test data by pressing Back button

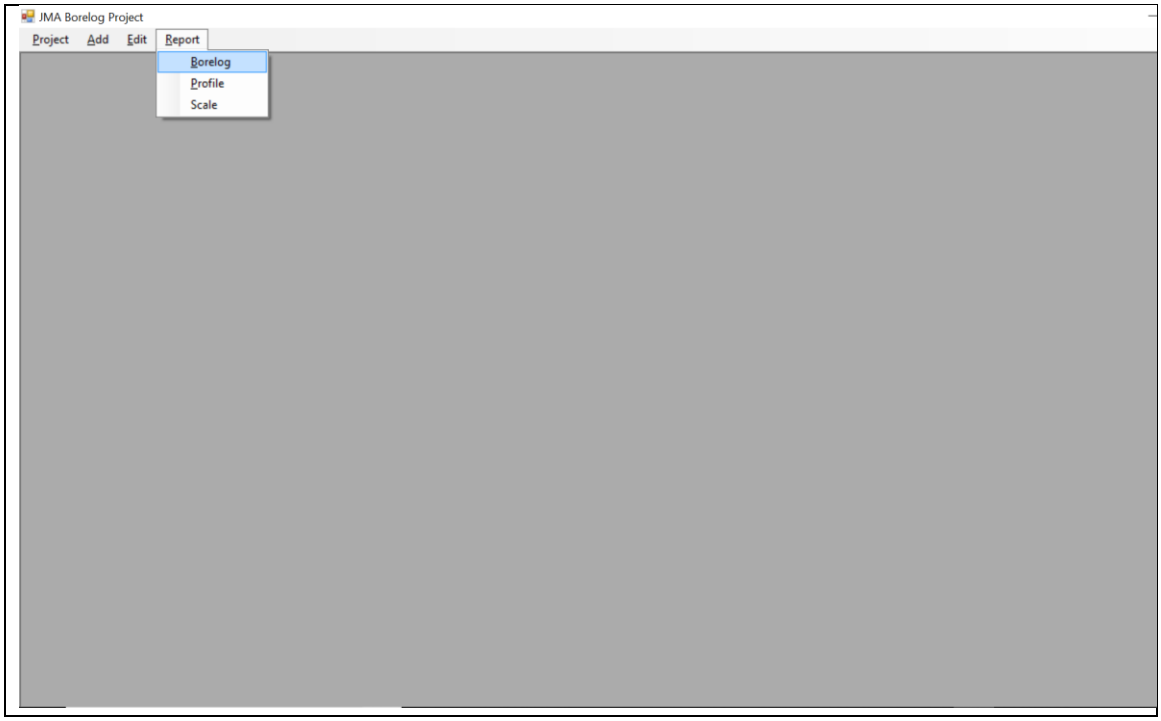
❖ Report Generation

Once you are done with data entry its time now to generate reports. Two type of reports are provided in the product with Scale/Paper Setting

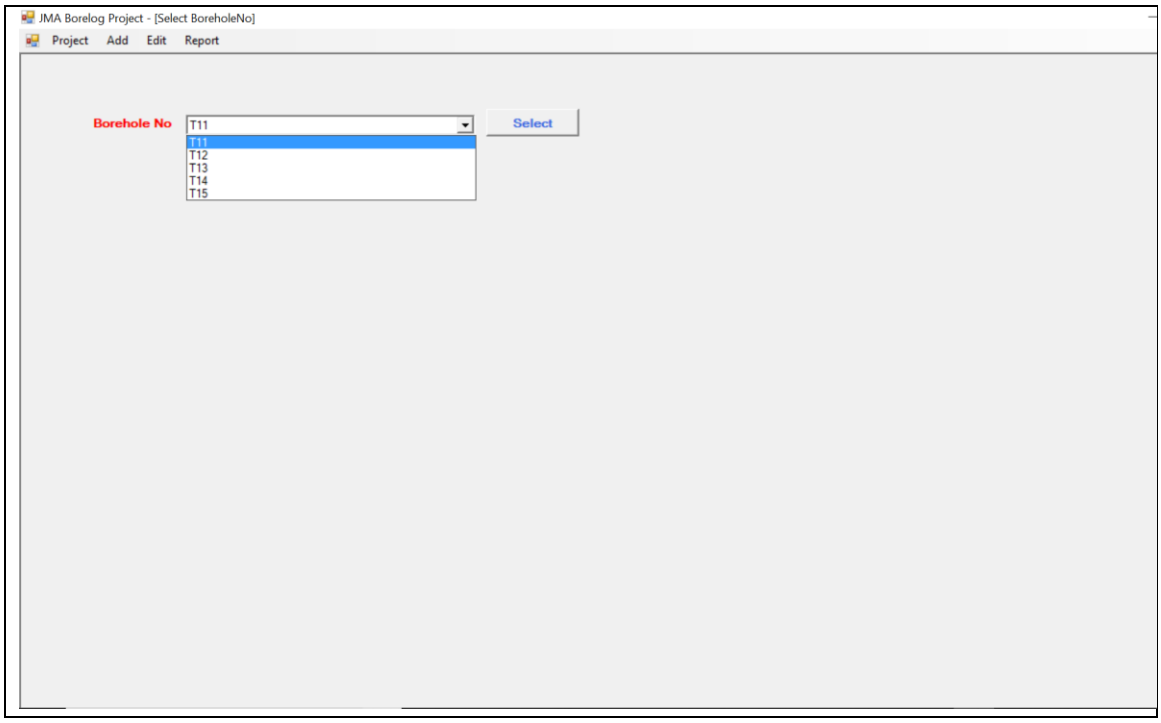
A. Borelog
B. Profile
C. Settings

A. To generate Borelog report

1 Click on Report --- > Borelog



2 Form to Select Borehole No. will appear

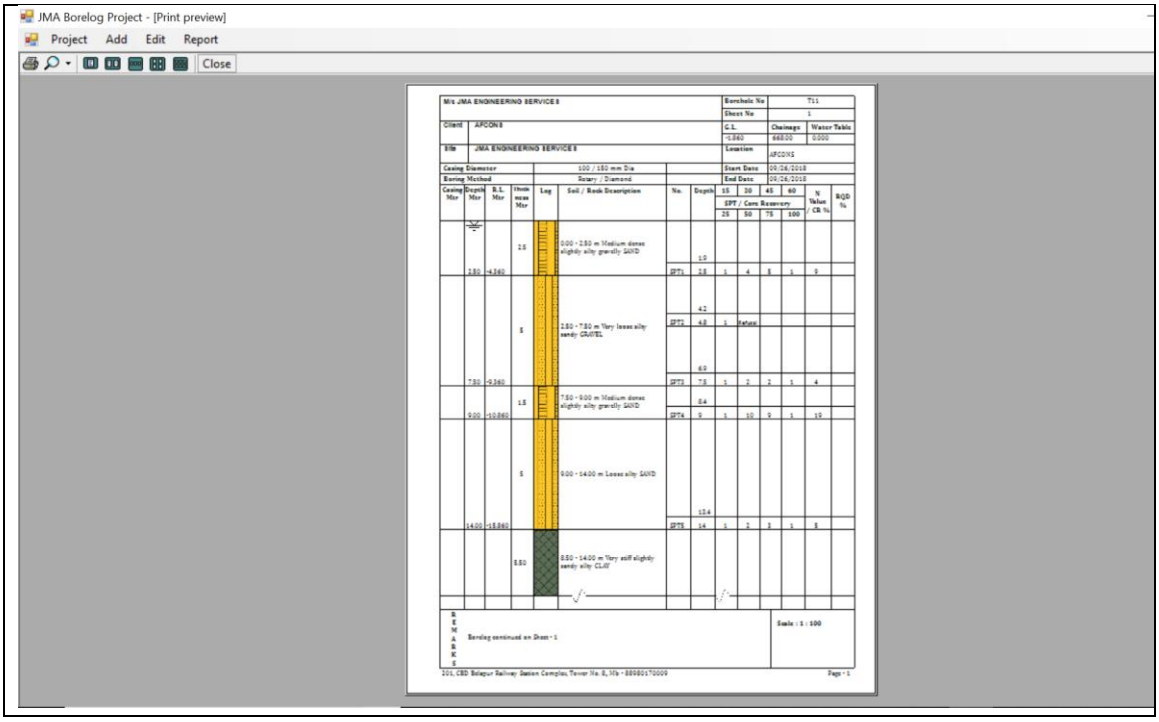


3 Select the Borehole No. from list
4 Click on Select Button
5 Form will appear where you can View, Print Borelog Report

6 To View Borelog Report

a. Click on View Borelog

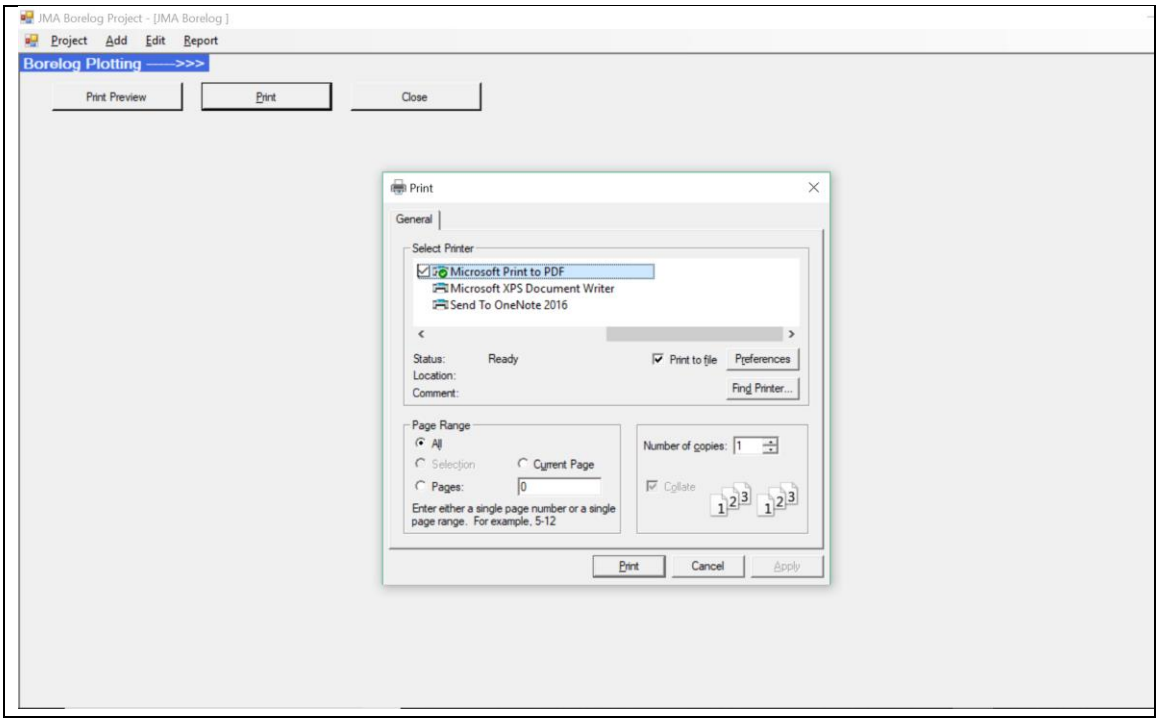
b. Borelog Report will be displayed



c. You can zoom to see the report
d. You can scroll through all the pages by clicking arrow button at top-left corner

7 To Print Borelog Report

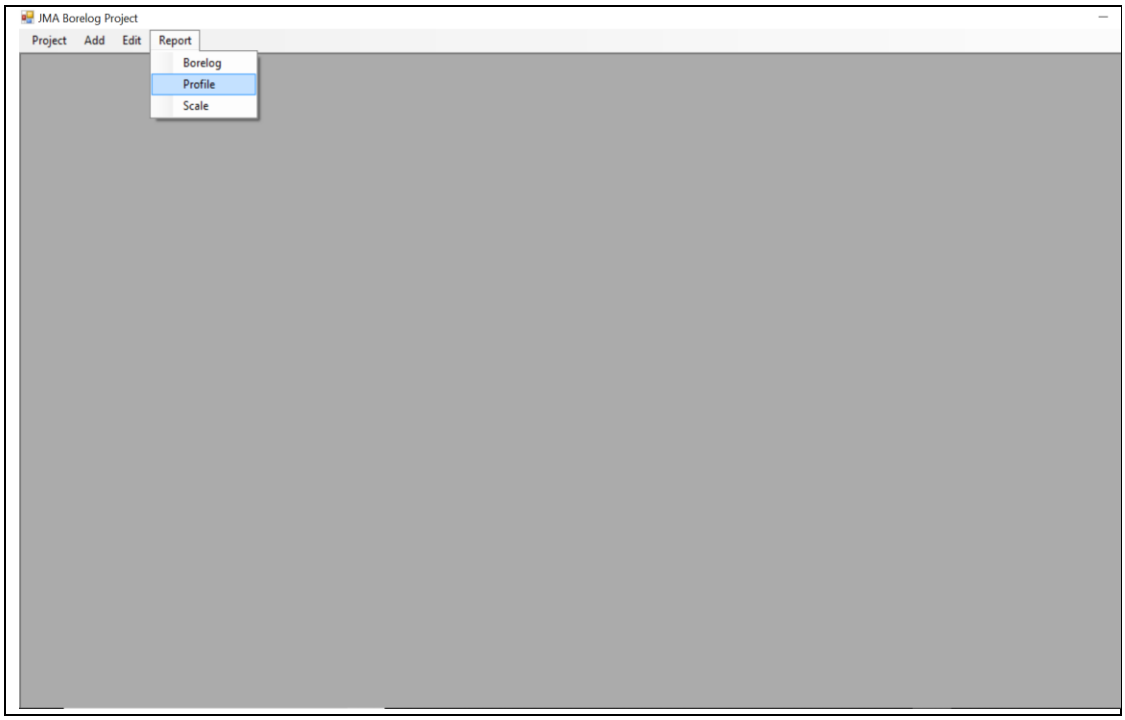
a. Click on Print Borelog
b. Print Dialog box will appear



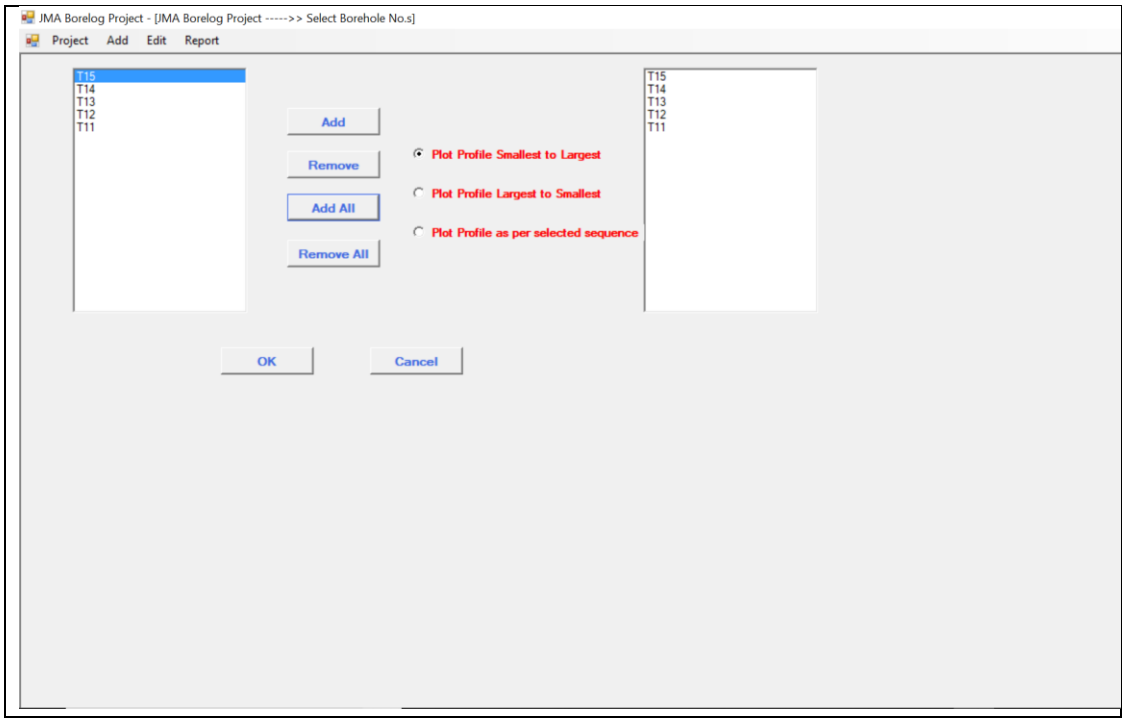
c. You may change the Printer Setting if needed
d. Borelog Report is designed for **A4 size** Paper
e. Click on Print Button
f. Your report is ready for use

B. To generate Profile Report

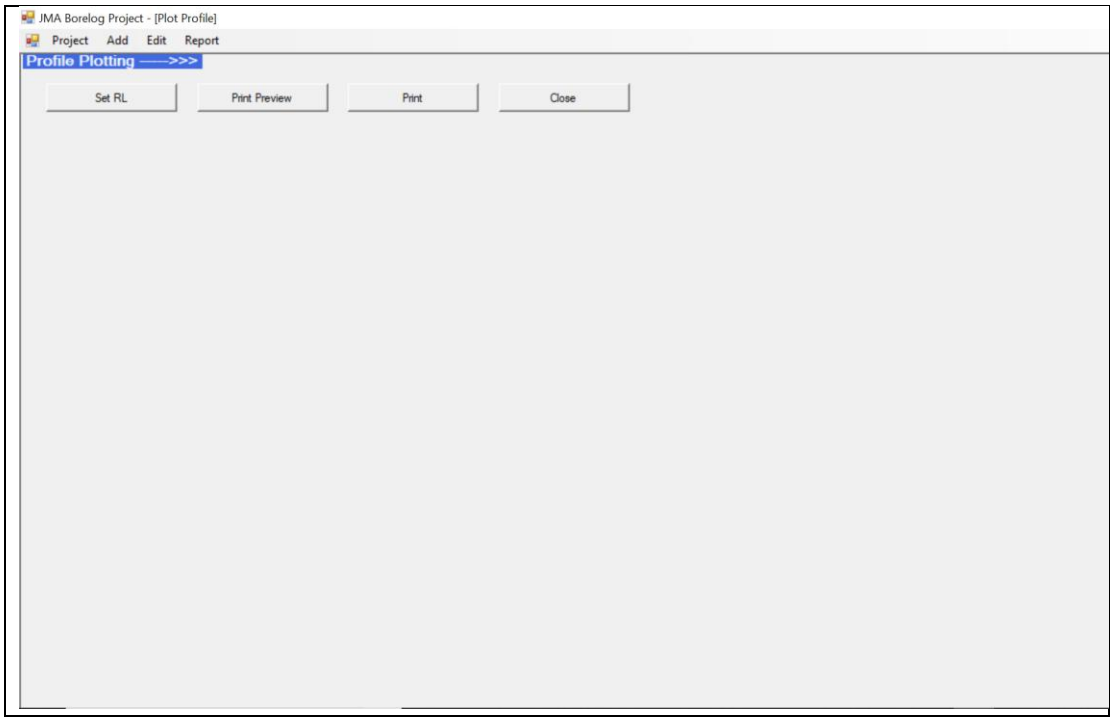
1. To generate Profile make sure that Paper Size is A3/A2
2. You can Change Paper Setting by Settings menu
3. Click on Report --- > Profile



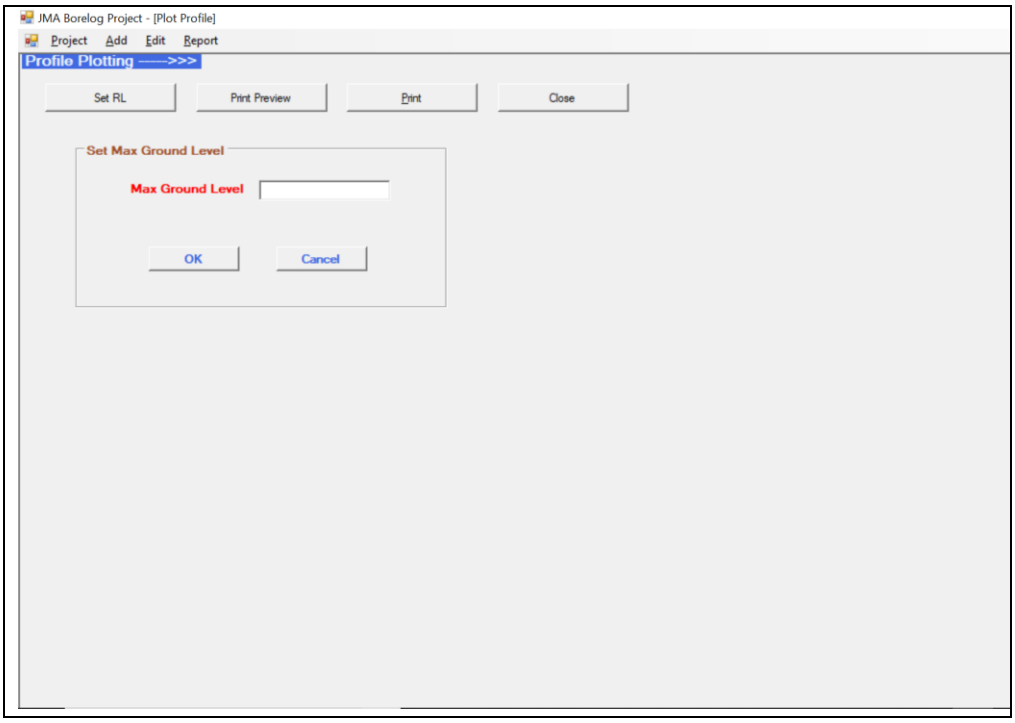
4. Form to Select Borehole Nos will appear
5. Select the Borehole Nos from list
6. Click on Add button
7. Selected Borehole Nos will be displayed in the right-side list



8. You can remove Borehole Nos by Selecting Borehole Nos and then clicking on Remove button
9. Add All and Remove All buttons will Add/Remove all Borehole Nos from list
10. Click on OK Button
11. Form will appear where you can View, Print Profile Report

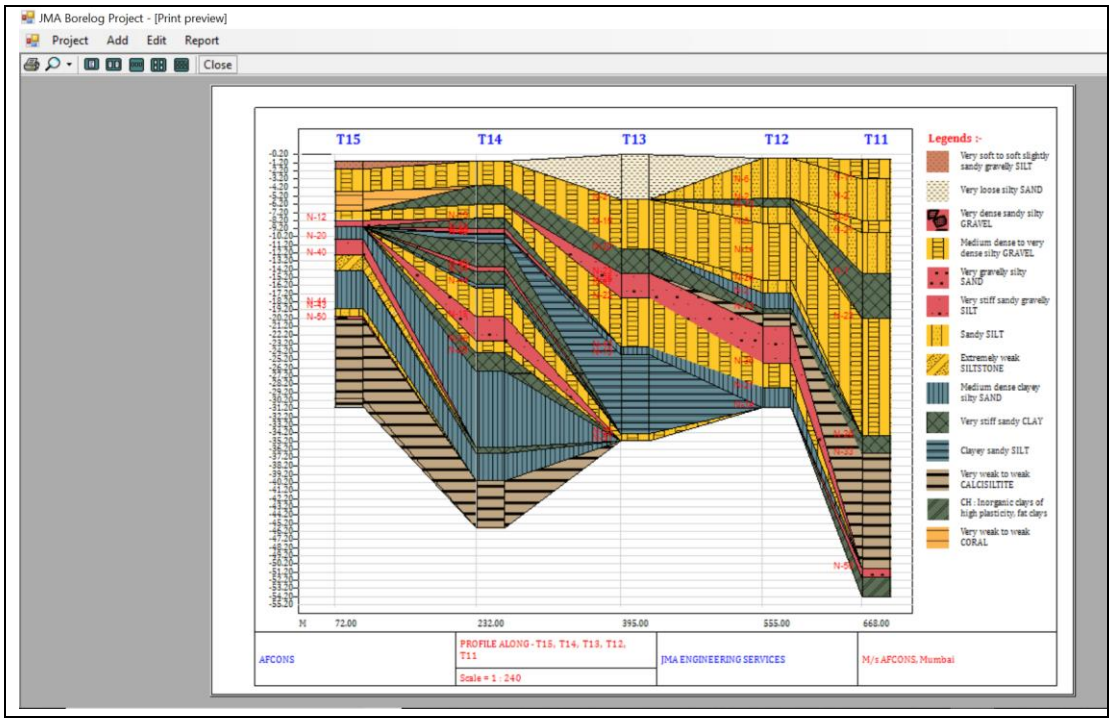


12. If you want to set RL
    a. Click on Set RL button
    b. Form to set RL will appear

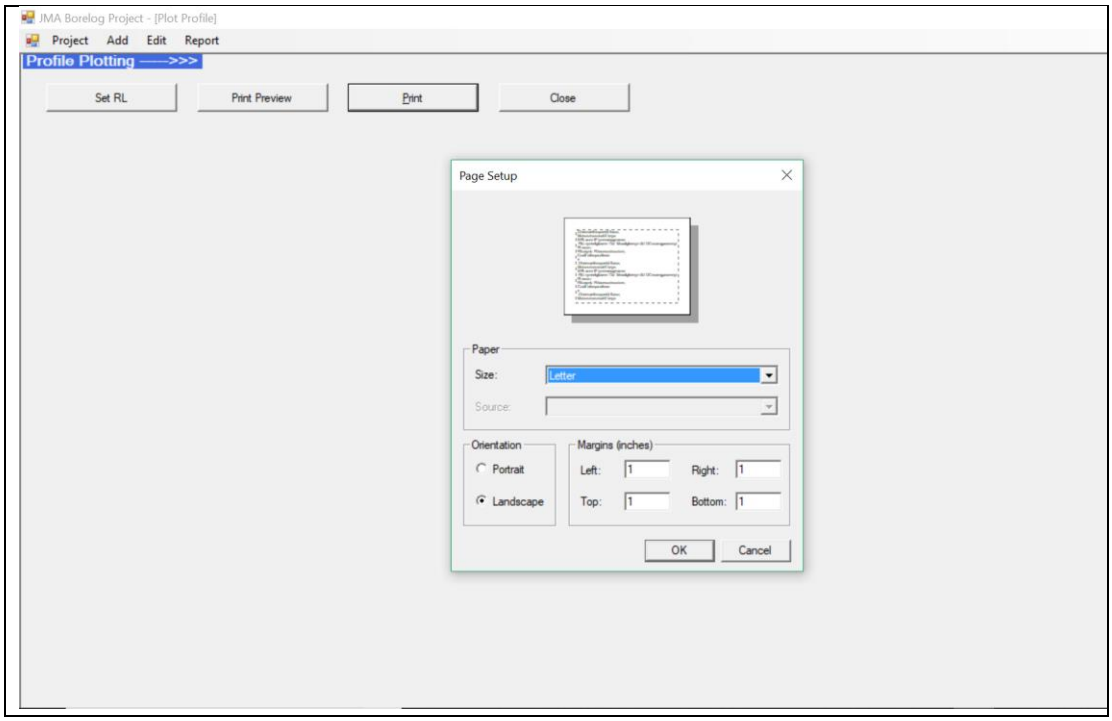


c. Enter RL value
d. Click on OK button

13. To View Profile Report
    a. Click on View Profile
    b. Profile Report will be displayed
    c. You can zoom to see the report



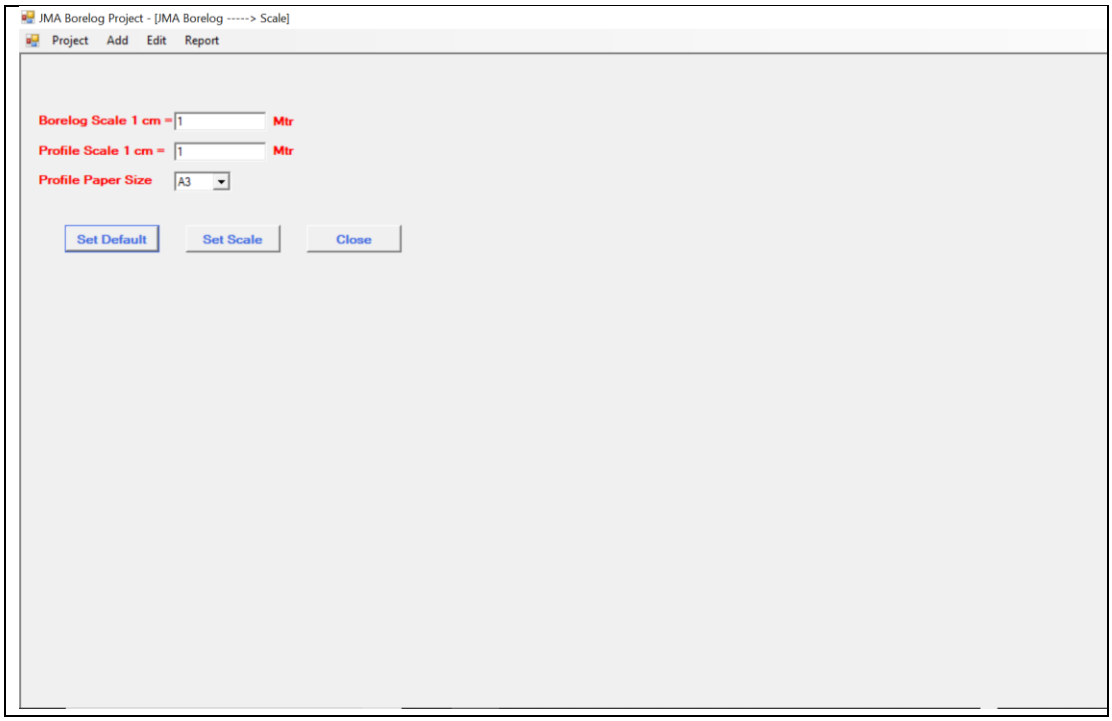
14. To Print Profile Report
15. Click on Print Profile
16. Print Dialog box will appear



17. Change Paper Setting to A3/A2 if its not set.
18. Click on Print Button
19. Your report is ready for use

C. To Change Scale and Paper Setting

1. Click on Report --- > Settings
2. Form to set Scale and Paper Size will Appear



3. Set the Borelog Scale if required
4. Set the Profile Scale if required
5. Change the Paper Settings if required
6. Click on Set Scale button
7. Scale is Set for Project
8. You can restore Scale to default settings by Clicking on Default button