

Apex

# AMR SCADA

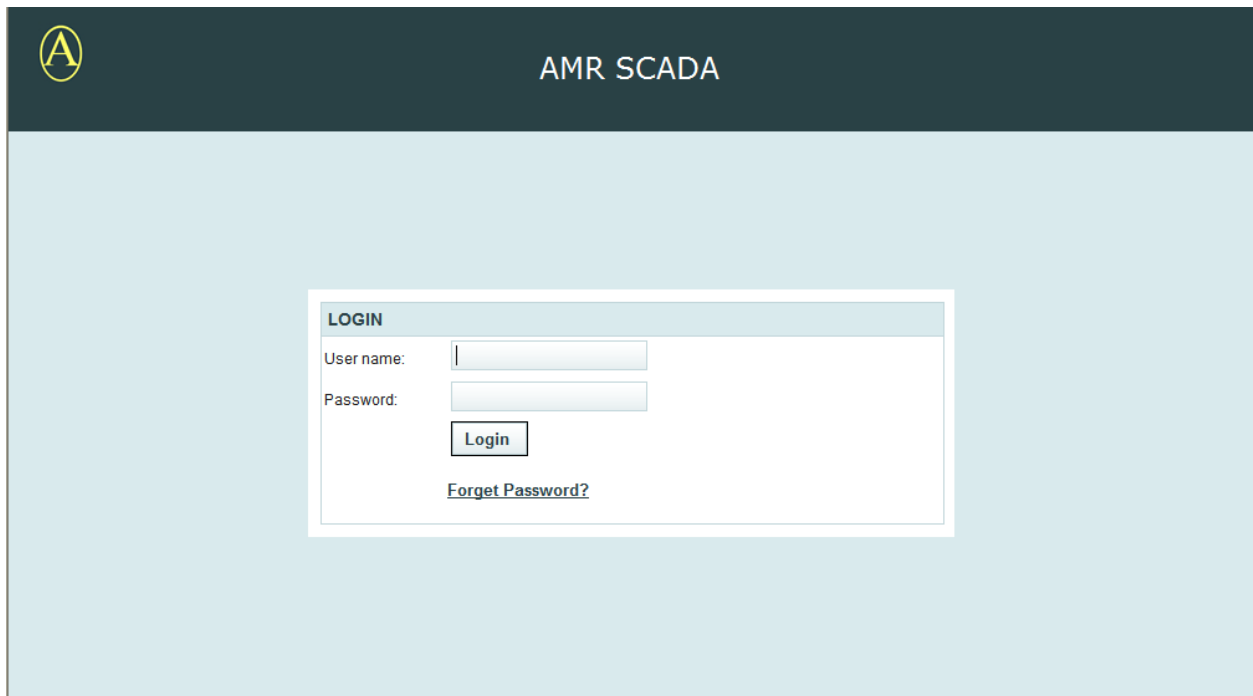
Ver. 4.02



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# Login



The screenshot shows the AMR SCADA login interface. At the top, there is a dark blue header with a yellow 'A' logo on the left and the text 'AMR SCADA' in the center. Below the header is a light blue background. In the center, there is a white login form with a light blue border. The form is titled 'LOGIN' and contains the following elements: a 'User name:' label followed by a text input field, a 'Password:' label followed by a password input field, a 'Login' button, and a '[Forget Password?](#)' link.

**Description:** This form enables user to login to the application. Gives appropriate message in case of login failed.

Field name	Description
User Name	Enables user to provide user name.
Password	Enables user to provide password.
Login	Enables user to login to the application.

On successful login to the application Dashboard will be opened to view and browse through various modules.

# Dashboard

The screenshot displays the AMR SCADA Dashboard interface. At the top, there is a navigation bar with the following menu items: Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is logged in as 'admin admin'.

The main content area is divided into three sections:

- Gas Consumption Detail:** A table showing gas consumption for GUJARAT.
 

Sr.	City Name	Volume Today	Volume Yesterday	Actr. Vol Yest.	Actr. Vol Today
1	GUJARAT	8427.4325	109066.5469	178109.0000	9888.0000
Total		8427.4325	109066.5469	178109.0000	9888.0000
- Communication Messages:** A section with a refresh button and a message indicating 'No Communication Messages'.
- Alarm Status:** A table listing active alarms.
 

Alarm Name	Description	Time	Action
Deco Gold	There was No Response from the controller!	13-12-2010 08:02 AM	Acknowledge
Vasant	A CRC error occurred in the last packet!	13-12-2010 08:00 AM	Acknowledge
DECO LIGHT	No Answer	13-12-2010 07:55 AM	Acknowledge

**Description:** Once you are logged in to AMR, the first screen it displays is the *Dashboard*. The *Dashboard* screen gives you clear idea about current status of the system.

It displays GC and related node (Figure 1). It also displays the communication messages (If any communication is going on the system) (Figure 4). On the center of the screen, it displays the current Gas consumption for the selected node (Figure 2, 2.1).

**Note:** By default it displays the consumption for the entire State.

You can also view GC or node in Google map, if the name of node (Figure 3) is same as it is in Google map. On the bottom of the screen, it displays the alarm of the system (Figure 5).

# Dashboard (Understanding)

The screenshot displays the AMR SCADA dashboard for Apex Automation Pvt. Ltd. The interface includes a top navigation bar with tabs for Dashboard, Configuration, Alarms, Schedule, Logs, History, Charts, Reports, Change Password, and Logout. A user welcome message 'Welcome, admin' is visible in the top right.

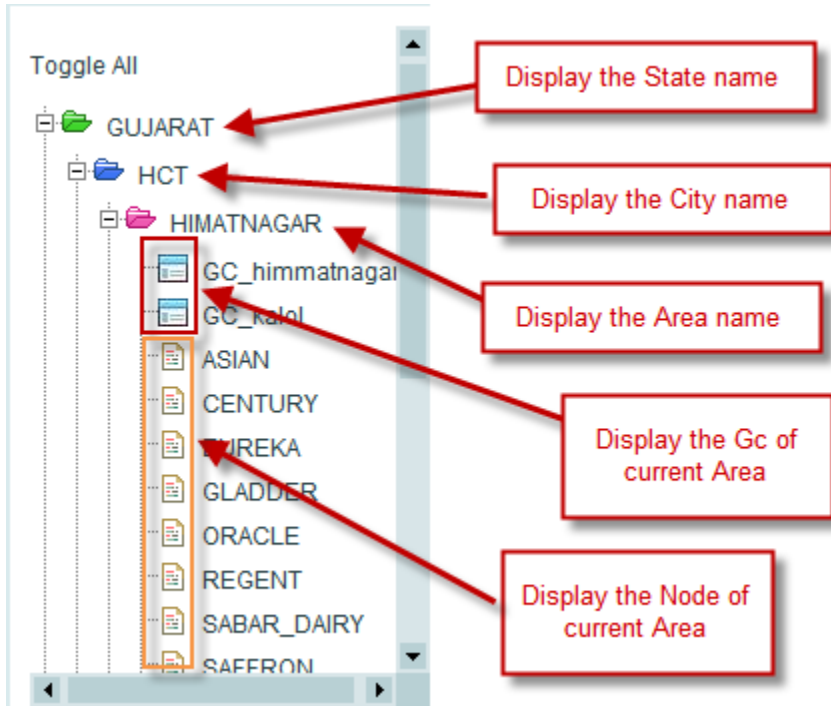
The main content area is divided into several sections:

- Navigation Tree (Left):** A tree view showing the hierarchy: GUJARAT >> HCT >> HIMATNAGAR >> ASIAN. A box labeled 'Figure 1' highlights the 'HIMATNAGAR' folder.
- Data Table (Center):** A table showing parameters for 'GC\_himmatnagar (Automatic)'. The last collected date is 02-01-2010 02:52 AM. A box labeled 'Figure 2' highlights the table header.
 

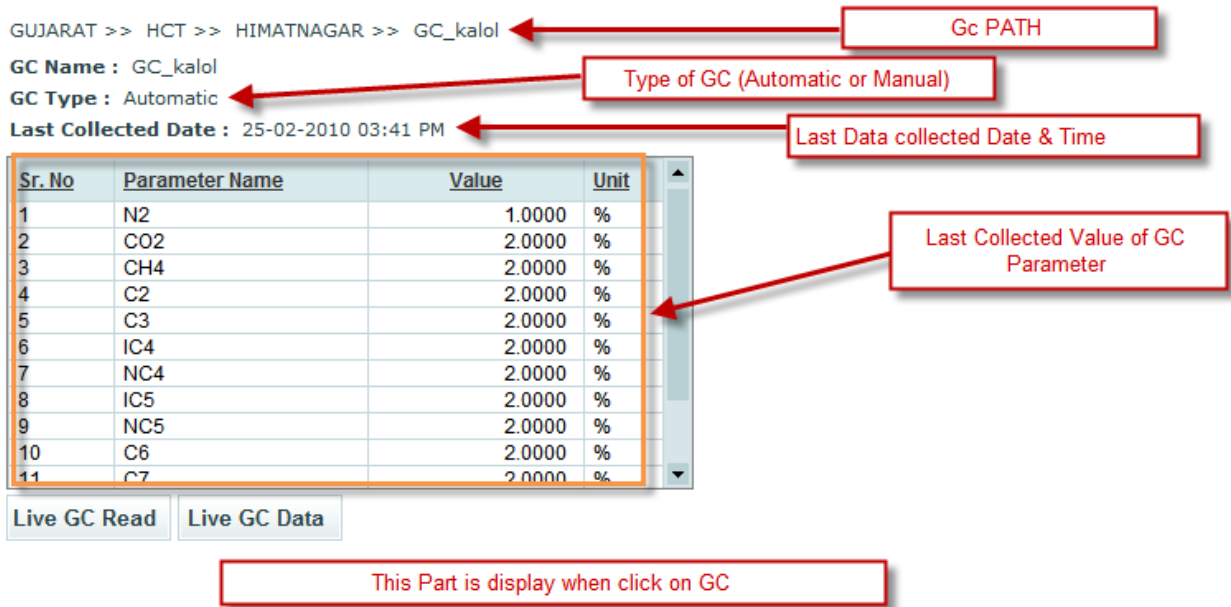
Sr.	Parameter Name	Value	Unit
1	SP Input	4.0753	Kg/cm2
2	Temp Input	0646	DegC
3	Flowrate_HR	0564	SCMH
4	Volume Today	5000	SCM
5	Volume Accum	5154835.5000	SCM
6	Energy_HR	18.7664	KCal/H
7	Energy Today	166.2969	KCal
8	Energy Yesterday	429.4531	KCal
9	Energy Accum	245818.7656	KCal
10	Unc Flowrate	400.0000	ACMH
11	Unc Today	2402.0000	m3
- Map (Right):** A Google Map of Gujarat, India, with a box labeled 'Figure 3' highlighting the map area.
- Communication Messages (Middle):** A section titled 'Communication Messages' with a refresh button and a box labeled 'Figure 4' highlighting the message area.
- Alarm Status (Bottom):** A table showing active alarms with a box labeled 'Figure 5' highlighting the table content.
 

Alarm Icon	Alarm Name	Description	Time	Action
▲	REGENT	No Carrier	02-01-2010 05:42 PM	<a href="#">Acknowledge</a>
▲	SAFFRON	No Carrier	02-01-2010 03:04 PM	<a href="#">Acknowledge</a>
▲	MB_INDUSTRIES	There was No Response	02-01-2010 03:02 PM	<a href="#">Acknowledge</a>

**Figure: 1**



**Figure: 2**



**Figure: 2.1**

GUJARAT >> HCT >> HIMATNAGAR >> ASIAN ← Node Path

GC Name : GC\_himmatnagar (Automatic) ← Gc of Node

Customer : ASIAN

Last Collected Date : 02-01-2010 02:52 AM

Sr.	Parameter Name	Value	Unit
1	SP Input	4.0753	Kg/cm2
2	Temp Input	18.0646	DegC
3	Flowrate_HR	1974.0564	SCMH
4	Volume Today	17338.5000	SCM
5	Volume Accum	5154835.5000	SCM
6	Energy_HR	18.7664	KCal/H
7	Energy Today	166.2969	KCal
8	Energy Yesterday	429.4531	KCal
9	Energy Accum	245818.7656	KCal
10	Unc Flowrate	400.0000	ACMH
11	Unc Today	2402.0000	m3

← Last Collected Value of Node Parameter

If the checkbox is selected then system create history for any operation

Create History      Update Parameter Setting

Read Once    Write Once    Go Online    Update GC Data

On Demand Read Button      On Demand Write Button      Click on this button for enable continues collect data

Figure: 3

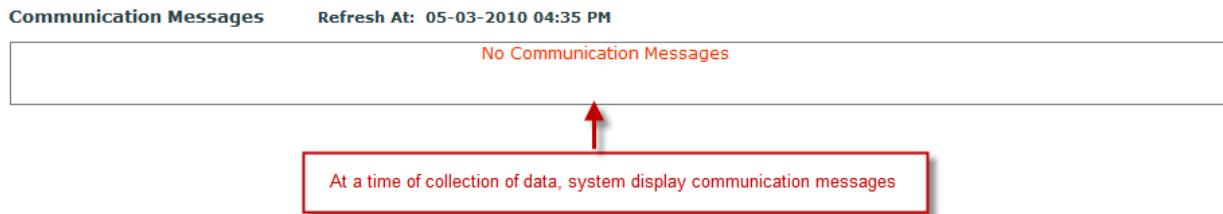
Display All the State, City Area on the Map if the Name are same as Google city or Area name

**Figure: 4**

Communication Messages      Refresh At: 05-03-2010 04:35 PM

No Communication Messages

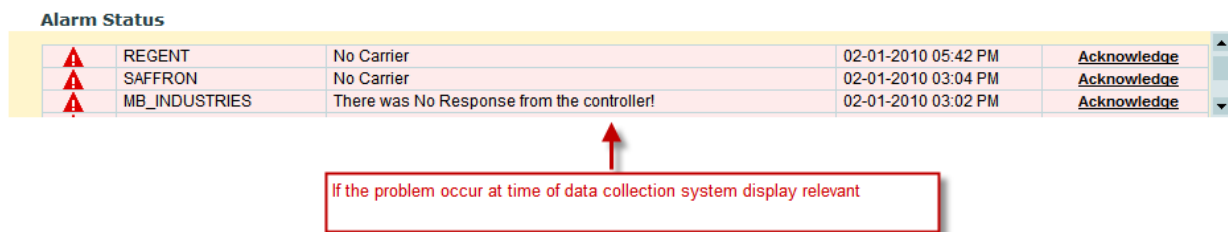
At a time of collection of data, system display communication messages

**Figure: 5**

Alarm Status

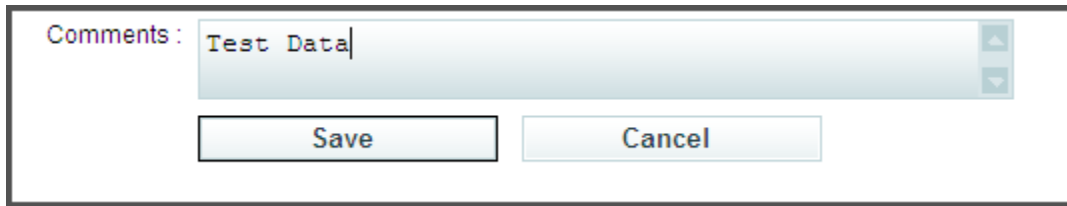
▲	REGENT	No Carrier	02-01-2010 05:42 PM	<a href="#">Acknowledge</a>
▲	SAFFRON	No Carrier	02-01-2010 03:04 PM	<a href="#">Acknowledge</a>
▲	MB_INDUSTRIES	There was No Response from the controller!	02-01-2010 03:02 PM	<a href="#">Acknowledge</a>

If the problem occur at time of data collection system display relevant



# Alarm Acknowledge Screen

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The screenshot shows a dialog box for acknowledging an alarm. It features a text input field labeled 'Comments:' containing the text 'Test Data'. Below the text field are two buttons: 'Save' and 'Cancel'.

**Description:** When user click on Acknowledge link, an *Alarm Acknowledge* screen will be open as shown above. User should be able to acknowledge the alarm by entering his/her comment. Acknowledged alarm will be shown at the bottom of the Alarm list and non acknowledged alarm will be shown first.

Field name	Description
Comments	User should be able to enter his/her comment for Alarm Acknowledgement in Comments textbox.
Save	On click of Save button, user's comment will be stored in database.
Cancel	User should be able to close the Alarm Acknowledge screen on clicking of Cancel button.

# Alarm Popup Screen

Alarm Type: All

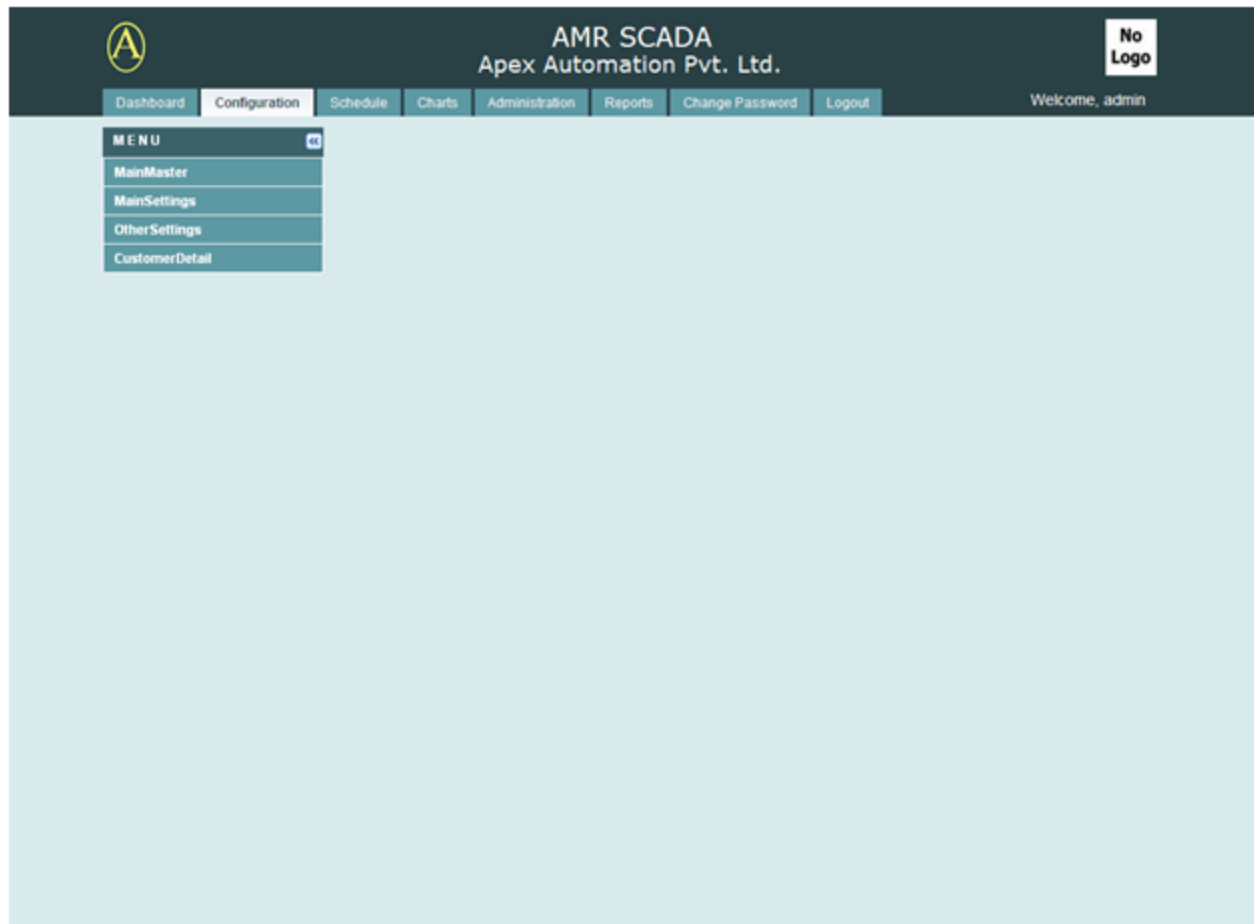
Sr. No	Customer Name	Parameter Name	Alarm Type	Description	ModifiedDate
1	AVELON CERM		Communication	A CRC error occurred in the last packet!	07-09-2010 11:53:09 AM
2	Bhavani Indust		Communication	Check if Modem is plugged-in and powered ON is on	07-09-2010 07:38:04 AM
3	Apricot		Communication	TimeOut!!!!	07-09-2010 07:36:40 AM
4	Apricot	Battery Volt	Parameter	(Low Alarm) :- 0.000 << 10.000	07-09-2010 07:36:40 AM
5	Apricot	Flowrate	Parameter	(High Alarm) :- 2255962442301440.000 >> 10000.000	07-09-2010 07:36:40 AM
6	Apricot	CH4	Parameter	(Low Alarm) :- 0.000 << 70.000	07-09-2010 07:36:40 AM
7	Alpha Techn	Battery Volt	Parameter	(Low Alarm) :- 6.668 << 10.000	07-09-2010 07:35:54 AM
8	Alpha Techn		Communication	TimeOut!!!!	07-09-2010 07:35:54 AM
9	Balaji Wafers		Communication	Check if Modem is plugged-in and powered ON is on	07-09-2010 07:35:19 AM
10	Balaji Wafers	Actr. Vol Accum.	Parameter	(High Alarm) :- 2244303.000 >> 1000000.000	07-09-2010 07:35:19 AM
11	Sun-up Botanics	Battery Volt	Parameter	(Low Alarm) :- 6.559 << 10.000	07-09-2010 07:33:55 AM
12	Sun-up Botanics		Communication	TimeOut!!!!	07-09-2010 07:33:55 AM
13	Sanraj Polyprint	Battery Volt	Parameter	(Low Alarm) :- 6.639 << 10.000	07-09-2010 07:33:20 AM
14	Sanraj Polyprint		Communication	TimeOut!!!!	07-09-2010 07:33:20 AM
15	Leotech	Battery Volt	Parameter	(Low Alarm) :- 6.639 << 10.000	07-09-2010 07:32:45 AM
16	Leotech		Communication	No Answer	07-09-2010 07:32:45 AM
17	JM Cooper		Communication	TimeOut!!!!	07-09-2010 07:32:10 AM
18	JM Cooper	Battery Volt	Parameter	(Low Alarm) :- 6.661 << 10.000	07-09-2010 07:32:10 AM
19	Max-2		Communication	There was No Response from the controller!	07-09-2010 06:41:13 AM
20	solaris		Communication	Check if Modem is plugged-in and powered ON is on	07-09-2010 06:39:39 AM
21	solaris	Unc Flowrate	Parameter	(High Alarm) :- Infinity >> 1000000.000	07-09-2010 06:39:39 AM
22	solaris	Flowrate	Parameter	(High Alarm) :- Infinity >> 1000000.000	07-09-2010 06:39:39 AM
23	SuperTiles		Communication	Check if Modem is plugged-in and powered ON is on	07-09-2010 06:38:45 AM
24	CoralPlus Cerm	Battery Volt	Parameter	(Low Alarm) :- 7.506 << 10.000	07-09-2010 06:37:49 AM
25	CoralPlus Cerm		Communication	There was No Response from the controller!	07-09-2010 06:37:49 AM

1 2

**Description:** When user logged in to the system, Dashboard screen loads and on top of Dashboard screen Alarm popup screen with all Alarm Type of the current date loads.

Field name	Description
Alarm Type	User should be able to select appropriate Alarm Type from the list (All, Communication, System and Parameter).
Show Alarm	On click of this, appropriate Alarm list will be shown to user.
OK	On click of this, close the Alarm popup screen.

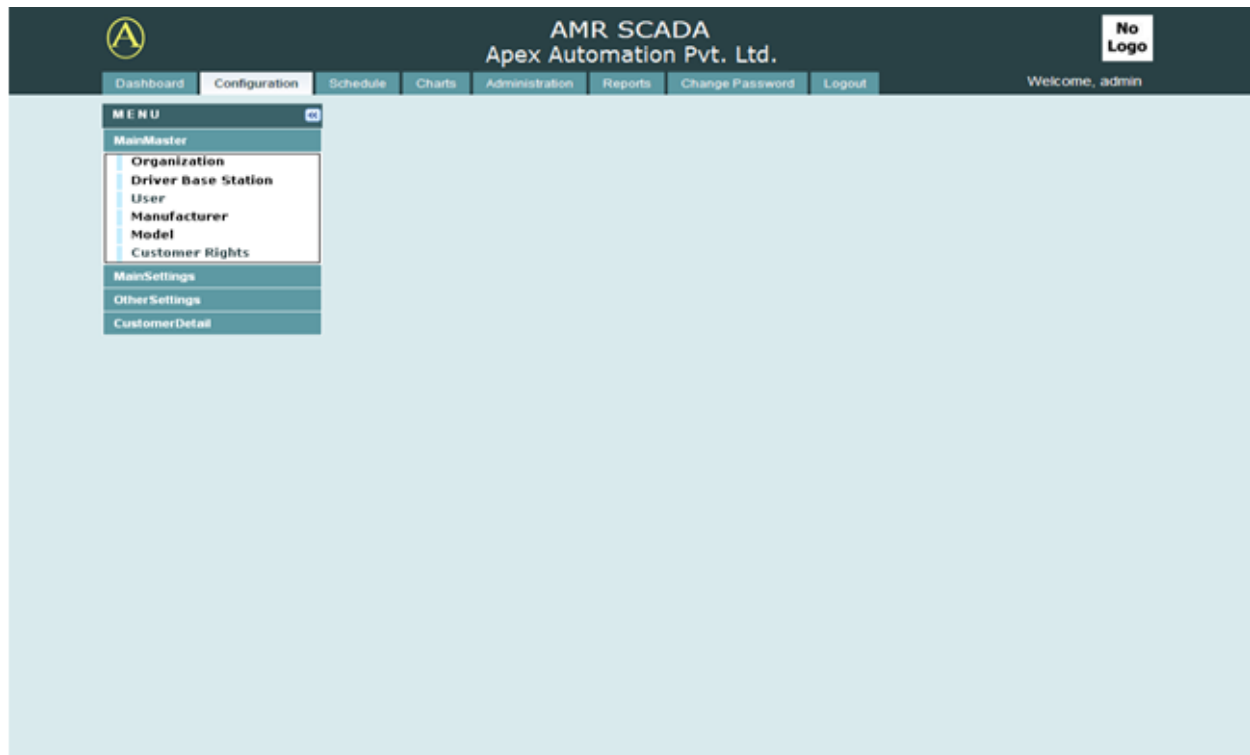
# Configuration



**Description:** Configuration screen gives you the list of configuration which is requiring to run the system and also to setup the any configuration of the system.

Field name	Description
Main Master	Click on it for list of system master
Main Setting	Click on it for setting the Main thing of system (Communication, Telemetry)
Other Setting	Click on it for set the other setting
Customer Detail	Click on it to set the parameter for configure the customer

# Main Master



**Description:** Give you list of master under main master.

Field name	Description
Organization	For insert and view the detail of Organization
Driver Base Station	For view the driver detail
User	This screen is use to create a login for the user and also for apply or change the rights of current user.
Manufacturer	To Manage manufacturer detail (Ex. Apex, Bristol)
Model	To Manage the model no
Customer Rights	To manage rights between user and customer

# Organization Master List

The screenshot shows the AMR SCADA web application interface. At the top, there is a header with the logo, the text 'AMR SCADA Apex Automation Pvt. Ltd.', and a 'No Logo' button. Below the header is a navigation bar with tabs for Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is logged in as 'admin'.

The main content area is titled 'Organization Master List'. It features a search bar and a table with the following data:

Sr. No	Organization Name	Phone No.	Mobile No.	E-mail	Website	Fax No.	Status	Edit
1	GSPC	26304182	26304260	support@gspc.co.in	www.gspc.co.in	123	Active	Edit

**Description:** This screen displays the current organization detail and the some of its important field. And allow user to edit the information of organization.

Field name	Description
Edit	Click on edit to open the organization Edit form

# Edit Organization

**Description:** This form enables user to login to the application. Gives appropriate message in case of login failed.

Field name	Description
Organization name	Name of organization it's also display in the title bar of system
Logo	Upload the logo to display in the title bar of the system and same logo is displayed in report header also
Gas Consumption Parameters	Selected parameters display on dashboard when any node is display

# Driver Base Station List

The screenshot displays the AMR SCADA web application interface. At the top, there is a header with the logo, the text "AMR SCADA Apex Automation Pvt. Ltd.", and a "No Logo" button. Below the header is a navigation bar with tabs for Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is logged in as "admin".

On the left side, there is a "MENU" sidebar with the following items: MainMaster, Organization, Driver Base Station, User, Manufacturer, Model, Customer Rights, MainSettings, OtherSettings, and CustomerDetail. The "Driver Base Station" item is selected.

The main content area is titled "Driver Base Station List" and contains a search bar. Below the search bar is a table with the following data:

Sr. No	Driver Base Station Name	Server Name	IP Address	Driver On Status	Status
1	VPC	VPC	192.168.0.200	On	Active

**Description:** This screen helps to know the detail about current driver detail. And also give an idea about its active status and about its running status.

Field name	Description
Driver Base Station Name	Name of driver
Server Name	Name of server where driver is install
Driver on status	If driver is running on server its status is <b>"On"</b> else its running status in off
Status	Give a status about driver if it's Active or not.

# User Master List Page

Sr. No	User name	First name	Last name	Designation	Mobile No.	E-mail	Rights	Status	Edit
1	gipl	gipl	gipl	Gipladmin	123	noemail@no.com	<a href="#">Assign</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>
2	amit	Amit	Shah	Director	1234567890	amit.shah@apex.com	<a href="#">Assigned</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>
3	sadmin	Avadhesh	Thakarar	Project Manager	99999999	avadhesh.thakarar@digl-corp.com	<a href="#">Assigned</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>
4	rakesh	Rakesh	Bajania	Developer	9904412812	rakesh.bajania@gmail.com	<a href="#">Assign</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>
5	sachin	Sachin	Mathur	Executive O&M	9737911273	mathursn@sabarmatigas.com	<a href="#">Assigned</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>
6	hiren	hiren	Khokhar	Executive O & M	9824544844	khokharhn@sabarmatigas.com	<a href="#">Assigned</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>
7	admin	admin	admin	Developer	26304182	support@apexautomation.in	<a href="#">Assigned</a>	Active	<a href="#">Edit</a> <input type="checkbox"/>

**Description:** This page is display the list of User in the System

Field name	Description
<b>Assign</b>	Click on this link to assign a rights of Customer
<b>Edit</b>	Click on this link to Edit the user information and for the change of user rights for system
<b>Active</b>	First select the checkbox and then click on this link to active the user if it's inactive
<b>Inactive</b>	First select the checkbox and then click on this link to inactive the user if it's active
<b>Delete</b>	First select the checkbox and then click on this link to delete

# Add/Edit User

The screenshot shows the 'Edit User' form in the AMR SCADA application. The form is titled 'Edit User' and is located in the 'Administration' tab. It is divided into four main sections: Personal Information, Employment Information, Form Rights, and Login Information. A red callout box highlights a new checkbox in the Employment Information section labeled 'Want Google Map Access?'. The Personal Information section includes fields for First name, Last name, Mobile, and E-mail. The Employment Information section includes Organisation (dropdown), Designation, and the highlighted checkbox. The Form Rights section is a table with columns for Form, Read, and Write. The Login Information section includes User name and a Reset Password link.

**Description:** When you click on Edit link in list page this form is open. There is four part of this screen (1) Personal information (2) Employment Information (3) Form Rights (4) Login Information.

There is new setting added in Employment Information Tab for Google Map Loading. If this option is checked for a particular user then Google map loads on Dashboard, else Google map is not displayed on dashboard for that user.

Field name	Description
Personal information	This part is include the personal information about the user
Employment Information	This part is include the information about employee information of user
Form Rights	This part is use to change the rights of the system for the user. It will allow admin to change the right of user that which form or link user can see or change

**Login Information**

For changing the information like user id and password of the user

# Customer Rights List

The screenshot shows the AMR SCADA web application interface. The header includes the company logo, name 'AMR SCADA Apex Automation Pvt. Ltd.', and a 'No Logo' button. The navigation menu on the left lists 'MainMaster' with sub-items: Organization, Driver Base Station, User, Manufacturer, Model, and Customer Rights. The main content area displays the 'Customer Rights List' page, which includes a search bar and a table with the following data:

Sr. No	User	Edit
1	admin	<a href="#">Edit</a>
2	hiren	<a href="#">Edit</a>
3	Sachin	<a href="#">Edit</a>
4	Avadhes	<a href="#">Edit</a>
5	Amit	<a href="#">Edit</a>

**Description:** When you click on Assign link on User list page this page is open or when you click on customer rights link under Main Master this page is open.

Field name	Description
Edit	Click on this link to edit the customer rights for that user
Assign Customer rights	Click on this link to assign the customer rights for newly added user

# Edit Customer Rights

**AMR SCADA**  
Apex Automation Pvt. Ltd.

Dashboard Configuration Schedule Charts Administration Reports Change Password Logout Welcome, admin

**MENU**

- MainMaster
  - Organization
  - Driver Base Station
  - User
  - Manufacturer
  - Model
  - Customer Rights
- MainSettings
- OtherSettings
- CustomerDetail

**Edit Customer Rights** [View All](#)

User: admin

City: ANDAMANNICOBAR, ANDHRAPRADESH, ARUNACHAL PRADESH, ASSAM, BIHAR, CHANDIGARH, CHATTISGARH, DADRANAGARHAVELI, DAMAN AND DIU, DELHI

Area: GUJARAT - HCT, GUJARAT - ACT, GUJARAT - ANAND, GUJARAT - BANASKANTHA, GUJARAT - BHARUCH, GUJARAT - BHAVNAGAR, GUJARAT - DOHAD, GUJARAT - GANDHINAGAR, GUJARAT - JAMNAGAR, GUJARAT - JUNAGADH

Sub area: GUJARAT - RAJKOT - MORBI

Filter Filter Filter

Customer:

<input type="checkbox"/>	State	City	Area	Customer	Read <input type="checkbox"/>	Write <input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	AVELON CERM	<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Captain Cerm.	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Senso Cerm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Suntel Cerm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Zealtop Cerm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	CoralPlus Cerm	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	SuperTiles	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Update Cancel

**Description:** This form is use to assign a rights of any customer to user.

Field name	Description
City	Select any city and then click on Filter button
Area	Display the Area as per city selection. Select any area and then click on Filter button to display the relevant Sub Area.
Sub Area	Display the Sub Area as per Area selection. Select any sub area and then click on Filter button to display the relevant customer for that sub area
Customer	Display the list of customer for selected sub area. Select the customer and click on read or write check box for write or read of data. And then click on update.

# Communication Setting Master List

The screenshot displays the AMR SCADA web application interface. The top header shows the AMR SCADA logo and the text "Apex Automation Pvt. Ltd." along with a "No Logo" button. The navigation menu includes "Dashboard", "Configuration", "Schedule", "Charts", "Administration", "Reports", "Change Password", and "Logout". The user is logged in as "admin".

The main content area is titled "Communication Settings Master List" and includes a search bar and action links: "Add Communication Settings", "Active", "Inactive", and "Delete". The table below lists the communication settings:

Sr. No	Name	Baud Rate	Parity	Data bit	Stop bit	Mode	Protocol Name	Bit Type	Auto Com	Status	Edit
1	EtherCS	9600	None	8	1	TCP-RTU	Modbus	16 Bit	False	Active	Edit
2	DR_CS	9600	None	8	1	0	Dresser	16 Bit	False	Active	Edit
3	mother dairy	9600	None	8	1	RTU	Modbus	32 Bit	True	Active	Edit
4	CS2	9600	None	8	1	RTU	Modbus	32 Bit	False	Active	Edit
5	CS1	9600	None	8	1	RTU	Modbus	16 Bit	True	Active	Edit

**Description:** This master is used to set the communication parameters which are used in telemetry setting.

Field name	Description
<b>Add communication Setting</b>	Click on this to add new communication setting
<b>Active/Inactive/Delete</b>	Click on any of these links after checking the checkboxes.
<b>Status</b>	If the Communication setting is active, it is available at a time of telemetry setting; otherwise, it is not available.
<b>Edit</b>	To update the information about Communication setting
<b>View</b>	There are some settings in the system which are default and cannot be modified (for e.g.: CS-Dresser). But you can view these settings by clicking on <b>View</b> hyperlink.

# Add/Edit Communication Setting

The screenshot displays the 'Edit Communication Settings' page in the AMR SCADA application. The page header includes the AMR SCADA logo and the text 'Apex Automation Pvt. Ltd.' along with a 'No Logo' button. The navigation menu on the left lists 'MainMaster', 'MainSettings', 'Communication Telemetry' (highlighted), 'OtherSettings', and 'CustomerDetail'. The main content area contains a form with the following fields and values:

- Name: CS1
- Baud Rate: 9600
- Parity: None
- Data Bit: 8
- Stop Bit: 1
- Protocol: Modbus
- Mode: RTU
- Bit Type: 16 Bit
- Auto Com:

At the bottom of the form are two buttons: 'Update' and 'Cancel'.

**Description:** This screen is use to add/Edit information about communication setting.

Field name	Description
Name	Name of Communication setting
Update	Click on this button to update the communication setting information
Cancel	Click on this to cancel the current changes and go to previous screen

# Telemetry Master List

The screenshot displays the AMR SCADA web interface. The top header includes the company logo, name 'AMR SCADA Apex Automation Pvt. Ltd.', and a 'No Logo' button. A navigation bar contains links for Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user 'admin' is logged in. The left sidebar menu is expanded to 'Communication Telemetry'. The main content area is titled 'Telemetry Master List' and includes a search bar and action links: 'Add Telemetry', 'Active', 'Inactive', and 'Delete'. A table lists the following telemetry data:

Sr. No	Telemetry Name	Driver Name	Communication Settings	Type of Media	Status	Edit
1	EtherTele	VPC	EtherCS	Ethernet	Active	<a href="#">Edit</a> <input type="checkbox"/>
2	DR_COM	VPC	DR_CS	Serial	Inactive	<a href="#">Edit</a> <input type="checkbox"/>
3	Serial COM-1	VPC	CS1	Modem	Active	<a href="#">Edit</a> <input type="checkbox"/>

**Description:** This screen is use to display the list of current telemetry in system

# Add/Edit Telemetry

The screenshot displays the AMR SCADA web application interface. At the top, there is a navigation bar with the AMR SCADA logo and the text 'Apex Automation Pvt. Ltd.' on the left, and 'No Logo' on the right. Below the navigation bar, there are several menu items: Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The 'Configuration' menu is currently selected. On the left side, there is a 'MENU' sidebar with options: MainMaster, MainSettings, Communication, Telemetry (highlighted), OtherSettings, and CustomerDetail. The main content area is titled 'Edit Telemetry' and contains a form with the following fields:

- Name: Serial COM-1
- Com/Port No: 1
- Command Delay: (Seconds) 5
- Dial Time out: (Seconds) 60
- Driver: VPC (dropdown menu)
- Communication Setting: CS1 (dropdown menu) with a link 'Add New Communication Setting'
- Type of Media: Modem (dropdown menu)
- Init String: dt
- Hang up Sting 1: +++
- Hang up String 2: ath

At the bottom of the form, there are two buttons: 'Update' and 'Cancel'.

**Description:** This screen is use to Add/Edit Telemetry setting

Field name	Description
Name	Name of telemetry
Com/port no	Comport no for current telemetry
Dial time out (Seconds)	Dial timeout for the telemetry
Driver	Select driver for current telemetry
Communication setting	Select communication setting for current telemetry
Type of media	Select type of media for telemetry

**Init string ,  
Hang up String 1 ,  
Hang up String 2**

Please contact manufacturer before change this default setting

# Add/Edit Parameter Group

**Description:** This Screen is use to Add/Edit new parameter group.

Field name	Description
Name	Name of parameter group
Parameter Name	Select multiple parameter for group

# Add/Edit Unit Group

**Description:** This screen use to Add/Edit Unit group detail. This is used as field in parameter setting.

Field name	Description
Unit – Group Name	Name unit. (Ex. Voltage, Heating Value)

# Add/Edit Parameter

The screenshot shows the 'Edit Parameter' form in the AMR SCADA application. The form is titled 'Edit Parameter' and includes a 'View All' link. It contains four input fields: 'Parameter Name' (text input with value 'Actr. Uncr. Vol Today.'), 'Unit Group Name' (dropdown menu with value 'Uncorr. Flowrate' and a link 'Add New Unit Group'), 'Data type' (dropdown menu with value 'Long'), and 'Description' (text area). Below the fields are 'Update' and 'Cancel' buttons. The left sidebar shows a menu with 'Parameter' selected under 'Other Settings'.

**Description:** This screen is use to Add/Edit Parameter

Field name	Description
Parameter Name	Name of parameter
Unit Group Name	Select Name of unit for parameter
Data Type	Select Data Type for parameter

# Add/Edit Unit

**Description:** This screen is use to Add/Edit Unit for the system.

Field name	Description
Unit – Group Name	Select the Name of unit group under which the unit is inserted.
Name of Unit	Unit name.
Short Code	Short code for the unit.

# Add/Edit Parameter Settings

**AMR SCADA**  
Apex Automation Pvt. Ltd.

Dashboard Configuration Schedule Charts Administration Reports Change Password Logout Welcome, admin

**MENU**

- MainMaster
- MainSettings
- OtherSettings
  - Parameter Group
  - Unit - Group
  - Parameter
  - Unit
  - Parameter Settings
  - GC Settings
  - Report Group
  - Customer Group
  - NCV Master
  - Report NCV Details
  - Volume Accum
- CustomerDetail

**Edit Parameter Settings** View All

Parameter Setting Name: PS-ACTARIS

Parameter Group Name: PG-ACTARIS Add New Parameter Group

Parameter Name:
 

- SP Input
- Temp Input
- Flowrate
- Unc Flowrate
- N2
- CO2
- CH4
- C2
- C3
- IC4

Add New Parameter

Add Detail

Sr. No	Parameter Name	Unit Name	Modbus	Write	Low Limit	High Limit
1	SP Input	Kg/cm2	836	<input type="checkbox"/>	0.00000	100.00000
2	Temp Input	DegC	834	<input type="checkbox"/>	0.00000	100.00000
3	Flowrate	SCM	824	<input type="checkbox"/>	0.00000	10000.00000
4	Unc Flowrate	ACMH	822	<input type="checkbox"/>	0.00000	10000.00000
5	N2	%	1142	<input type="checkbox"/>	0.00000	100.00000
6	CO2	%	1144	<input type="checkbox"/>	0.00000	100.00000
7	CH4	%	1140	<input type="checkbox"/>	0.00000	100.00000
8	C2	%	1146	<input type="checkbox"/>	0.00000	100.00000
9	C3	%	1148	<input type="checkbox"/>	0.00000	100.00000
10	IC4	%	1150	<input type="checkbox"/>	0.00000	100.00000
11	NC4	%	1152	<input type="checkbox"/>	0.00000	100.00000
12	IC5	%	1154	<input type="checkbox"/>	0.00000	100.00000
13	NC5	%	1156	<input type="checkbox"/>	0.00000	100.00000
14	C6	%	1158	<input type="checkbox"/>	0.00000	100.00000
15	Actr. Vol Yest.	SCM	20486	<input type="checkbox"/>	0.00000	10000000.00000
16	Actr. Vol Accum.	SCM	810	<input type="checkbox"/>	0.00000	1000000.00000
17	Actr. Unchr. Vol yest.	m3	20484	<input type="checkbox"/>	0.00000	10000000.00000
18	Actr. Unchr. Vol Accum.	m3	806	<input type="checkbox"/>	0.00000	10000000.00000

Update Cancel

**Description:** This screen is use to set the parameter setting for group of parameter

Field name	Description
Parameter Setting Name	Name of parameter setting
Parameter Group Name	Select the name of Parameter group
Parameter Name	Display the List of parameter is selected group. Select the parameter to Add detail for selected parameter.
Add Detail	Click on this button to Add detail about selected parameters. (Detail Ex. Parameter Name, Unit Name, Modbus, Write, Low Limit, High Limit)

# Add/Edit GC Settings

**AMR SCADA**  
Apex Automation Pvt. Ltd.

Dashboard Configuration Schedule Charts Administration Reports Change Password Logout Welcome, admin

**MENU**

- MainMaster
- MainSettings
- OtherSettings
  - Parameter Group
  - Unit - Group
  - Parameter
  - Unit
  - Parameter Settings
  - GC Settings
  - Report Group
  - Customer Group
  - NCY Master
  - Report NCY Details
  - Volume Accum
- CustomerDetail

**Edit GC Settings** [View All](#)

GC Settings Name: GC\_Set1

Parameter Name: Sp-Gravity N2 CO2 CH4 C2 C3 IC4 NC4 IC5 NC5 [Add New Parameter](#)

Allow value more than 100

Sr. No	Parameter Name	Unit Name	Modbus	Value	Low Limit	High Limit
1	Sp. Gravity	N.A.	7015	0	0.00000	1.00000
2	N2	%	7001	0	0.00000	100.00000
3	CO2	%	7002	0.7	0.00000	100.00000
4	CH4	%	7003	95	0.00000	100.00000
5	C2	%	7004	3	0.00000	100.00000
6	C3	%	7005	0	0.00000	100.00000
7	IC4	%	7006	0	0.00000	100.00000
8	NC4	%	7007	0	0.00000	100.00000
9	IC5	%	7008	0	0.00000	100.00000
10	NC5	%	7009	0	0.00000	100.00000
11	C6	%	7010	0	0.00000	100.00000
12	C7	%	7011	0	0.00000	100.00000
13	C8	%	7012	0	0.00000	100.00000
14	C9	%	7013	0	0.00000	100.00000
15	C10	%	7014	0	0.00000	100.00000

**Description:** This screen is use to Add/Edit GC Settings

Field name	Description
GC Setting Name	Insert the Name of GC Setting
Parameter Name	Select The parameter for GC Setting
Add Detail	Click on this button to Add detail about selected parameters. (Detail Ex. Parameter Name, Unit Name, Modbus, Write, Low Limit, High Limit)

# Add/Edit Report Group Master

The screenshot displays the 'Edit Report Group Master' interface. At the top, there's a navigation bar with tabs: Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is logged in as 'admin'. The left sidebar contains a 'MENU' with options like MainMaster, MainSettings, OtherSettings, Parameter Group, Unit - Group, Parameter, Unit, Parameter Settings, GC Settings, Report Group, Customer Group, NCV Master, Report NCV Details, and Volume Accum. The main content area is titled 'Edit Report Group Master' and includes a 'View All' link. The form fields are: Group name (RG - 1), State (dropdown), City (dropdown), Area (dropdown), and Customer (dropdown). Each dropdown has a 'Filter' button. At the bottom are 'Update' and 'Cancel' buttons.

**Description:** This screen is use to create Add/Edit group of customer for the report.

Field name	Description
Group Name	Insert the name of group
State	Select The state for Group. On selection of State city name display. On selection of city name area name will be display. Select area name for particular group
City	User should be able to select the City name from the list and filters the area using selected City from the list. City list display all City under selected State.
Area	User should be able to select the Area name from the list and filters the Customers using selected Area from the list. Area list display all Areas under selected Area.
Customer	On selection of area customer will be display select the multiple customer for the report

# Add/Edit Customer Group

**Add Customer Group** [View All](#)

Group Name:

State:  Area:  Sub area:

Filter Filter Filter

Customer:

<input type="checkbox"/>	City	Area	Subarea	Customer	Group
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	AVELON CERM	Group - 1
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Captain Cerm.	Group - 1
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Senso Cerm	Group - 1
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Sunteil Cerm	Group - 1
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	Zealtop Cerm	Group - 1
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	CoralPlus Cerm	Group - 1
<input checked="" type="checkbox"/>	GUJARAT	RAJKOT	MORBI	SuperTiles	Group - 1

Save Cancel

**Description:** This screen is use to create Add/Edit group of customer for the NCV Entry.

Field name	Description
Group Name	Insert the name of group
State	Select The state for Group. On selection of State city name display. On selection of city name area name will be display. Select area name for particular group
City	User should be able to select the City name from the list and filters the area using selected City from the list. City list display all City under selected State.
Area	User should be able to select the Area name from the list and filters the Customers using selected Area from the list. Area list display all Areas under selected Area.
Customer	This List shows all the Customer names under selected Sub-Area. User should be able to select multiple customers to create Customer Group for NCV Entry.

# NCV Master

The screenshot shows the 'NCV Entry' form in the AMR SCADA application. The form is titled 'NCV Entry' and is part of the 'AMR SCADA Apex Automation Pvt. Ltd.' application. It features a navigation menu on the left with options like Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The main form area includes dropdown menus for 'Month' (set to June), 'Year' (set to 2010), and 'Group' (set to Group - 1). Below these are two tables: one for 'Day' (1-20) and 'NCV Kcal/SCM' (10-100), and another for 'Customers' listing names like AVELON CERM, Captain Cerm, Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, and SuperTiles. At the bottom are 'Save' and 'Cancel' buttons.

Field name	Description
Month	User should be able to select month from the list.
Year	User should be able to select Year from the list.
Group	User should be able to select Group from the list.
NCV Kcal/SCM List	Day column shows all the days of selected month. In NCV Kcal/SCM column user should be able to enter value.
Customers	This List shows all the Customer names of selected Group.

# Report NCV Details

**Report NCV Details**

Year: 2010 Month: July Days Range: 1-15

Customer: AVELON CERM

Date	NCV Kcal/SCM	Offtake SCM	Volume Accume	Corr Vol SCM @8350 Kcal/SCM
01/07/2010	1	6843	526917	0.82
02/07/2010	1	7340	533436	0.879
03/07/2010	1	6096	541435	0.73
04/07/2010	1	7500	0	0.898
05/07/2010	1	7500	0	0.898
06/07/2010	2	7500	0	1.796
07/07/2010	2	7499	572660	1.796
08/07/2010	2	7514	577428	1.8
09/07/2010	2	7887	584701	1.889
10/07/2010	2	7841	593198	1.878
11/07/2010	2	7258	600572	1.738
12/07/2010	3	7324	607747	2.631
13/07/2010	3	7349	615243	2.64
14/07/2010	3	4163	622392	1.496
15/07/2010	3	6239	628631	2.242

Field name	Description
Year	User should be able to select Year from the list.
Month	User should be able to select month from the list.
Days Range	User should be able to select days range between 1 to 15 and 16 to 30/31 according to the month selection.
Customer	Shows the name of the selected customer. User should be able to select any one customer name from the Tree.
Details	Shows the Details of the selected customer. User should be able to modify NCV Kcal/SCM, Off take SCM and Volume Accum. columns value manually if needed. Volume Accum. value would be incremental; means user would enter current

value greater than previous value.

## Report Volume Accum

The screenshot displays the 'Report Volume Accum' interface. At the top, there is a navigation menu with options: Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is logged in as 'admin' and the system is identified as 'AMR SCADA Apex Automation Pvt. Ltd.'. The main content area is titled 'Report Volume Accum' and contains the following elements:

- Form Fields:** Year: 2010, Month: June, Days Range: 1-15.
- Customer Selection:** A tree view showing a hierarchy: GUJARAT > RAJKOT > MORBI > [List of customers: AVELON CERM, Captain Cerm, CoralPlus Cerm, GC\_himmatnagar, Senso Cerm, Suntel Cerm, SuperTiles, Zealtop Cerm].
- Table:** A table with columns for Customer and days 1 through 10. All values are 0.
- Buttons:** 'Show Details', 'Cancel', 'Save', and 'Cancel'.

Field name	Description
Year	User should be able to select Year from the list.
Month	User should be able to select month from the list.
Days Range	User should be able to select days range between 1 to 15 and 16 to 30/31 according to the month selection.
Customer	Shows the name of the selected customer. User should be able to select one or more customer name from the Tree.

**Details**

Shows the Details of the selected customer(s) list with selected days range with Volume Accum. parameter value.

## Add/Edit State

**Description:** This screen is use to Add/Edit detail about state

Field name	Description
State Name	Write the name of new state
Telemetry Settings	Select the telemetry for state
Communication Settings	Select the communication setting for state

**Parameter setting**

Select the parameter setting for state

# Add/Edit City

The screenshot displays the 'Edit City' form within the AMR SCADA application. The form is divided into two main sections: 'Basic' and 'Settings'. In the 'Basic' section, the 'State Name' is set to 'GUJARAT', 'City Name' is 'RAJKOT', 'Latitude' is '22.296909', and 'Longitude' is '70.798363'. The 'Settings' section includes 'Telemetry Settings' set to 'Serial COM-1', 'Communication Settings' set to 'CS1', and 'Parameter Settings' set to 'GFC-Classic'. There are 'Update' and 'Cancel' buttons at the bottom of the form. A 'View All' link is visible in the top right corner of the form area.

**Description:** This screen is use Add/Edit City name

Field name	Description
State Name	Select the state name for insert city
City Name	Write city name to insert it under selected state name
Latitude	User should be able to enter latitude for the city which is going to be display on Google Map
Longitude	User should be able to enter longitude for the city which is going to be display on Google Map
Telemetry Settings	Select the telemetry for city
Communication Settings	Select the communication setting for city
Parameter setting	Select the parameter setting for city

# Add/Edit Area

The screenshot shows the 'Edit Area' form in the AMR SCADA application. The form is titled 'Edit Area' and has a 'View All' link. It is divided into two sections: 'Basic' and 'Settings'. The 'Basic' section contains fields for State Name (GUJARAT), City Name (RAJKOT), Area Name (MORBI), Latitude (22.814672), and Longitude (70.829315). The 'Settings' section contains fields for Telemetry Settings (Serial COM-1), Communication Settings (CS1), and Parameter Settings (GFC-Classic). Each dropdown menu has an 'Add New' link next to it. At the bottom of the form are 'Update' and 'Cancel' buttons.

**Description:** This screen is use to Add/Edit Area name

Field name	Description
State Name	Select the state name for populate city name
City Name	Select the city name to insert the area name
Area Name	Write the area name to insert under selected city name
Latitude	User should be able to enter latitude for the area which is going to be display on Google Map
Longitude	User should be able to enter longitude for the area which is going to be display on Google Map
Telemetry Settings	Select the telemetry for city
Communication Settings	Select the communication setting for city
Parameter setting	Select the parameter setting for city

# Add/Edit GC

The screenshot displays the 'Add GC' form within the AMR SCADA web application. The form is organized into two main sections: 'Basic' and 'Settings'. The 'Basic' section contains five input fields: 'State Name' (a dropdown menu with a 'State' label), 'GC no.', 'GC name' (with a placeholder text 'Enter GC Name'), 'GC E-mail', and 'GC Phone No.'. The 'Settings' section contains one dropdown menu for 'GC Type'. At the bottom of the form, there are two buttons: 'Save' and 'Cancel'. The interface also features a navigation menu on the left side and a top header with the AMR SCADA logo, the text 'AMR SCADA Apex Automation Pvt. Ltd.', and a user greeting 'Welcome, admin'.

**Description:** This screen is use to Manage (Add/Edit) information about GC.

Field name	Description
State Name	Select The state for GC. On selection of State city name display. On selection of city name area name will be display. Select area name for particular GC
GC Name	Name of GC
GC Type	Select the type of GC (Like Manual, Automatic) <b>Automatic</b> : - When the GC Type is Automatic user will be able to select the GC Setting Name, Drive Name, Telemetry setting Name, Communication Settings name, Manufacturer Name, Model Name, Phone no, Slave Address <b>Manual</b> : - When the GC Type is manual user will be able select on GC Setting Name.

# Add/Edit Customer

**Description:** This screen is use to Add/Edit Detail about customer

Field name	Description
State Name	Select The state for customer. On selection of State city name display. On selection of city name area name will be display. Select area name for particular GC
Customer Name	Name of Customer
Latitude	User should be able to enter latitude for the customer which is going to be display on Google Map
Longitude	User should be able to enter longitude for the customer which is going to be display on Google Map User should be able to find Latitude and Longitude using link specified.

<b>Driver Name</b>	Name of driver for customer
<b>Telemetry Setting Name</b>	Select the name of telemetry
<b>Communication Setting</b>	Select the name of communication setting.
<b>Parameter settings name</b>	Select the parameter setting name. Ensure that you are selecting correct Parameter settings.
<b>Manufacturer Name</b>	Select the name of manufacturer
<b>Model Name</b>	Select the name of model
<b>Phone No.</b>	Enter phone no. of customer for dialing
<b>Slave Address</b>	Enter Slave address for customer between (1 to 256)
<b>GC Write</b>	Select this check box to write GC Data <u><b>Check box is selected than</b></u> <b>GC Type</b> :- Select type of GC Automatic or manual <b>GC Name</b> :- Select the name of GC

In case if you want to delete the customer(s), select the appropriate customer's checkbox, click on **Delete**.

A *Confirmation* screen will display with the selected customer names. To confirm the same, click **OK** else click **Cancel**. Once you have confirmed, a pop up screen will display. Type your login credentials correctly. To continue, click **done** or click **Cancel**.

# Add/Edit Schedule

**Description:** This screen is use to make schedule for data collection

Field name	Description
Step 1 : Basic customers schedule	Name of schedule

The screenshot displays the AMR SCADA web application interface. The header shows the company logo and name 'AMR SCADA Apex Automation Pvt. Ltd.' along with a 'No Logo' button. The navigation menu includes 'Dashboard', 'Configuration', 'Schedule', 'Charts', 'Administration', 'Reports', 'Change Password', and 'Logout'. The user is logged in as 'admin'.

The main content area is titled 'Scheduling List' and includes a search bar and action links: 'Add Schedule', 'Active', 'Inactive', and 'Delete'. A table below lists the schedule entries:

Sr.No	Schedule Name	Schedule Type	Date	Status	Edit
1	Test	Daily Multiple	22-06-2010 06:00:00 AM	Active	<a href="#">Edit</a>

Field name	Description
<b>Step 2 :</b>	
<b>State</b>	Select The state for Schedule. If user select include city then city name display. If user select include area then area name will be display. Select area name for particular Schedule
<b>GC Type</b>	Select The type of GC
<b>GC Name</b>	Select The name of GC
<b>GC Read</b>	Check this checkbox to read gc
<b>Customer</b>	Select the customer from list and select the check box for writer GC to write GC Data and select the create history check box to create history for selected customer

**Edit Schedule**
[View All](#)

Basic  
Customers  
Schedule

State:

GC Type:

GC Name:

Customer:

▼

▼

▼

<input type="checkbox"/>	Customer	Write GC	Create History
<input checked="" type="checkbox"/>	AVELON CERM	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Captain Cerm.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Senso Cerm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Suntel Cerm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	Zealtop Cerm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	CoralPlus Cerm	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	SuperTiles	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Include City

GC Read

Field name	Description
Step 3 :	
Schedule Type	Select the type of schedule (Daily Single, Daily multiple, Weekly, Monthly)
Date	Select the date for schedule
	<b>Note :</b> On selection of schedule different field are display fill up it to complete the schedule

### Edit Schedule [View All](#)

Basic  
Customers  
Schedule

Schedule Type:

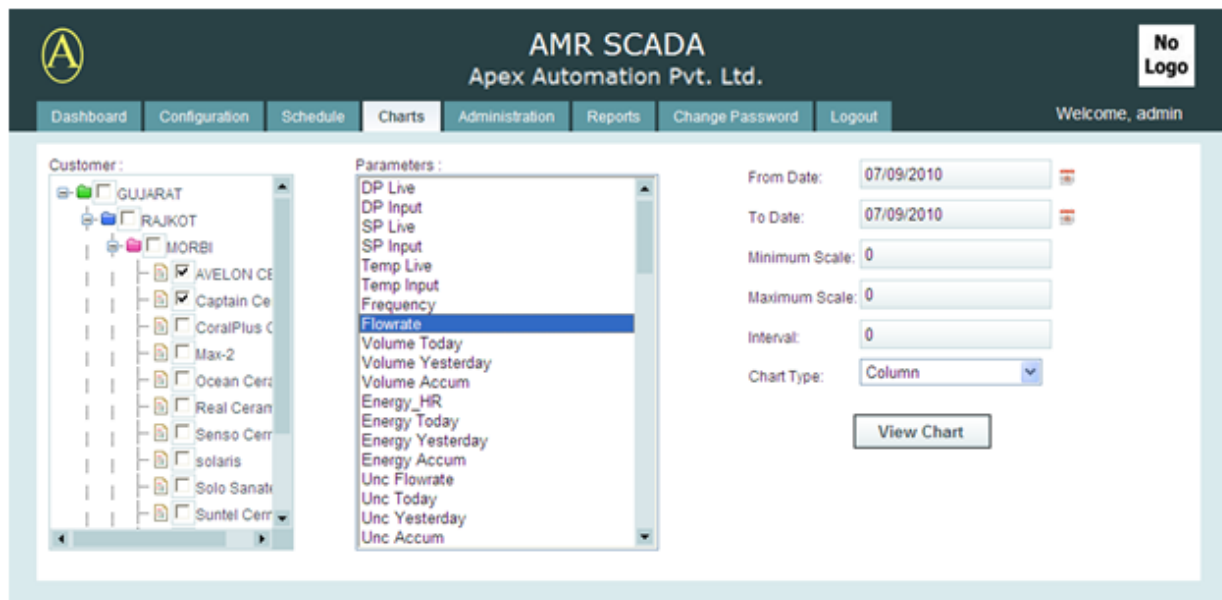
Date:

Time:

Interval(In Mins):

Daily Timings:

# Charts



**Description:** This screen is use to display the customer wise parameter data in different chart view.

Field name	Description
From date – To Date	Select from date and to date for period of report
Minimum Scale	User should be able to enter minimum scale for chart.
Maximum Scale	User should be able to enter maximum scale for chart.
Interval	User should be able to enter interval.
Customer	Select customer for report
Parameter	Select only one parameter to display the chart report
View Chart	Click on this button to view the chart report

# Administrative Tasks

---

Field name	Description
<b>Administrative Tasks Name</b>	<p>User should be able to select the name of Administrative Tasks. List will display following items:</p> <ol style="list-style-type: none"><li>1) Alarm</li><li>2) History</li><li>3) Logs<ul style="list-style-type: none"><li>• Status Log</li><li>• Schedule Log</li><li>• Write Log</li><li>• Exception Log</li><li>• Report Log</li></ul></li></ol> <p>As per user selection appropriate page will be displayed to the user which contains the criteria fields to see various reports or logs.</p>

# Alarm

The screenshot displays the AMR SCADA web interface. At the top, there is a navigation menu with options: Dashboard, Configuration, Schedule, Charts, Administration (selected), Reports, Change Password, and Logout. The user is logged in as 'admin'.

The main content area is titled 'Administrative Tasks'. It features a form with the following elements:

- Name:** A dropdown menu set to 'Alarm'.
- Alarm Type:** A dropdown menu set to 'Select'.
- Customer:** A tree view showing a hierarchy of customers: GUJARAT (checked), RAJKOT (checked), and MORBI (checked). Under MORBI, several sub-customers are listed with checkboxes: AVELON CERM, Captain Cerm., CoralPlus Cerm, GC\_himmatnagar, Senso Cerm, Suntel Cerm, SuperTiles, and Zealltop Cerm.
- Parameters:** A list of parameters with checkboxes, including: Select All/None, DP Input, SP Input, Temp Input, Flowrate, Volume Today, Volume Yesterday, Volume Accum, Energy\_HR, Energy Accum, Unc Flowrate, Unc Today, and Unc Yesterday.
- Buttons:** 'Get Parameters' and 'Show'.
- Dates:** 'From Date' and 'To Date' fields, both set to '25/06/2010'.

Field name	Description
Alarm Type	User should be able to select the alarm type. For e.g. Communication, System or Parameter
Customer	User should be able to select multiple customer(s) for alarm.
Parameter	User should be able to select multiple parameter(s) for alarm.
From Date	User should be able to select From date to see alarm starting from particular date.
To Date	User should be able to select To date to see alarm up to particular date.

Alarm <span style="float: right;">close or Esc Key</span>					
<input type="button" value="Clear Alarm"/>		<input type="button" value="Export To Excel"/>			
Sr. No	Customer Name	Parameter Name	Alarm Type	Description	ModifiedDate
1	Max-2		Communication	There was No Response from the controller!	08-09-2010 06:40:45 AM
2	solaris		Communication	Check if Modem is plugged-in and powered ON is on	08-09-2010 06:39:16 AM
3	solaris	Unc Flowrate	Parameter	(High Alarm) :- Infinity >> 1000000.000	08-09-2010 06:39:16 AM
4	solaris	Flowrate	Parameter	(High Alarm) :- Infinity >> 1000000.000	08-09-2010 06:39:16 AM
5	SuperTiles		Communication	Check if Modem is plugged-in and powered ON is on	08-09-2010 06:38:27 AM
6	CoralPlus Cerm	Battery Volt	Parameter	(Low Alarm) :- 7.492 << 10.000	08-09-2010 06:37:32 AM
7	CoralPlus Cerm		Communication	There was No Response from the controller!	08-09-2010 06:37:32 AM
8	Zealtop Cerm	Battery Volt	Parameter	(Low Alarm) :- 7.817 << 10.000	08-09-2010 06:36:57 AM
9	Zealtop Cerm		Communication	Check if Modem is plugged-in and powered ON is on	08-09-2010 06:36:57 AM
10	Suntel Cerm		Communication	No Answer	08-09-2010 06:36:20 AM
11	Senso Cerm		Communication	Check if Modem is plugged-in and powered ON is on	08-09-2010 06:34:54 AM
12	Senso Cerm	Actr. Vol Accum.	Parameter	(High Alarm) :- 7726913.000 >> 1000000.000	08-09-2010 06:34:54 AM
13	Captain Cerm.	Actr. Vol Accum.	Parameter	(High Alarm) :- 4481367.000 >> 1000000.000	08-09-2010 06:33:30 AM
14	Captain Cerm.		Communication	Check if Modem is plugged-in and powered ON is on	08-09-2010 06:33:30 AM
15	AVELON CERM		Communication	A CRC error occurred in the last packet!	08-09-2010 06:32:06 AM

**Description:** This screen is use to see the alarm of different type

Field name	Description
Clear Alarm	User should be clear all alarms by clicking Clear Alarm button.
Export To Excel	User should be able to export Alarms shown on screen to excel file that he/she want.

# History

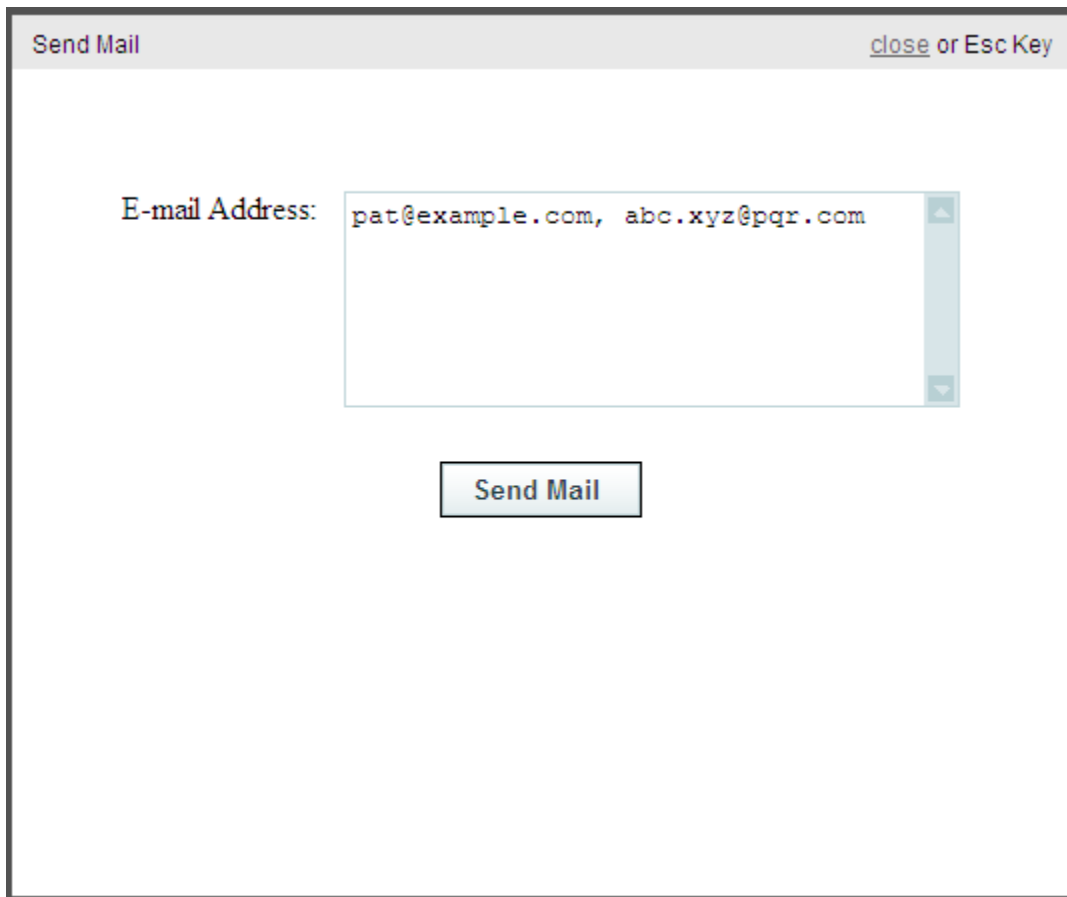
Field name	Description
Customer	User should be able to select multiple customer(s) for alarm.
Parameter	User should be able to select multiple parameter(s) for alarm.
From Date	User should be able to select From date to see alarm starting from particular date.
To Date	User should be able to select To date to see alarm up to particular date.

History <span style="float: right;">close or Esc Key</span>																
		Export To Excel		Send Mail												
Customer Name	Date	DP Input	SP Input	Temp Input	Flowrate	Volume Today	Volume Yesterday	Volume Accum	Energy HR	Energy Today	Energy Yesterday	Energy Accum	Unc Flowrate	Unc Today	Unc Yesterday	Unc Accum
AVELON CERM	08/09/2010 06:32:00 AM	0.0000	0.9995	26.9360	0.0000	0.0000	0.0000	765115.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Captain Cerm.	08/09/2010 06:33:00 AM	0.0000	4.3473	28.6544	407.7153	1753.0000	93595.0000	4481367.0000	0.0000	0.0000	0.0000	0.0000	98.8561	426.0000	2269	
CoralPlus Cerm	08/09/2010 06:37:00 AM	0.0000	4.6720	26.8778	0.0000	0.0000	0.0000	806640.6250	0.0000	0.0000	0.0000	8040.0547	0.0000	0.0000		
Max-2	08/09/2010 06:40:00 AM	0.0000	447.9106	29.6000	100.6539	418.0700	6465.8296	0.0000	0.0000	0.0000	0.0000	0.0000	461.5342	101.1900	157	
Senso Cerm	08/09/2010 06:34:00 AM	0.0000	5.2679	28.5244	448.6996	180.0000	10750.0000	7726913.0000	0.0000	0.0000	0.0000	0.0000	89.5626	36.0000	215	
solaris	08/09/2010 06:39:00 AM	0.0000	5.2678	26.5301	Infinity	5.0449	75.0000	3419200.7500	0.0000	0.0000	0.0000	0.0000	Infinity	1.0000	1	
Suntel Cerm	08/09/2010 06:36:00 AM	0.0000	2.7189	26.8265	0.0000	0.0000	0.0000	924932.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
SuperTiles	08/09/2010 06:38:00 AM	0.0000	1.4940	27.2092	0.0000	0.0000	0.0000	48538.1094	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
Zealtop Cerm	08/09/2010 06:36:00 AM	0.0000	4.1744	28.2828	581.5268	328.0000	13475.1250	922050.0625	5.7714	3.2803	134.7295	9215.1250	120.0000	68.0000	280	

**Description:** This screen is use to see the history log.

Field name	Description
Export To Excel	User should be export the whole data into excel file by clicking on Export To Excel button.
Send Mail	User should be able to send mail to users that he/she wants by clicking on Send Mail Button. Click on Send Mail button opens pop-up screen to enter user e-mail address as shown in below screen.

# Send Mail Pop-up Screen



The screenshot shows a pop-up window titled "Send Mail" with a close button labeled "close or Esc Key". Inside the window, there is a label "E-mail Address:" followed by a text input field containing the email addresses "pat@example.com, abc.xyz@pqr.com". Below the input field is a button labeled "Send Mail".

**Description:** This screen is used to send mail of history records to the users.

Field name	Description
E-mail Address	User should be able to enter multiple comma separated e-mail addresses of the user.
Send Mail	Sends mail of history information to the e-mail addresses specified by the user.

# Logs

---

**Description:** Click on any of the link to display the log

Field name	Description
Status Log	Display dialing status log for any node either dialing is Success or fail and the time of the dialing
Schedule Log	Display the Schedule log for the created schedule either it is complete, Fail or request
Write Log	Display the write data log for node either write for node is success or fail
Exception Log	Display the exception log
Report Log	Display the log about created report schedule either the schedule for report is success or fail

# Status Log

The screenshot shows the AMR SCADA web interface. The header includes the logo, the text "AMR SCADA Apex Automation Pvt. Ltd.", and a "No Logo" button. The navigation menu contains: Dashboard, Configuration, Schedule, Charts, Administration (selected), Reports, Change Password, and Logout. The user is logged in as "admin".

The "Administrative Tasks" section is active, showing a "Name" dropdown set to "Status Log". Under "Customer", a tree view shows a hierarchy: GUJARAT (expanded) -> RAJKOT (expanded) -> MORBI (expanded) -> AVELON CERM, Captain Cerm., CoralPlus Cerm, GC\_himmatnagar, Senso Cerm, Suntel Cerm, SuperTiles, and Zealltop Cerm. All these items have checkboxes that are checked.

At the bottom, there are date selection fields: "From Date: 25/06/2010" and "To Date: 25/06/2010", with a "Show" button below them.

Field name	Description
Customer	User should be able to select multiple customer(s) for status log.
From Date	User should be able to select From date to see status log starting from particular date.
To Date	User should be able to select To date to see status log up to particular date.

Status Log								close or Esc Key
Clear Log		Export To Excel						
Sr. No	Name	Request Type	Status	Description	Start Date	End Date	Duration	
1	Max-2	schedule	SUCCESS	Successfully done	08-09-2010 06:39:22 AM	08-09-2010 06:40:44 AM	00:01:22	
2	solaris	schedule	SUCCESS	Successfully done	08-09-2010 06:38:32 AM	08-09-2010 06:39:16 AM	00:01:16	
3	SuperTiles	schedule	SUCCESS	Successfully done	08-09-2010 06:37:37 AM	08-09-2010 06:38:26 AM	00:01:11	
4	CoralPlus Cerm	schedule	SUCCESS	Successfully done	08-09-2010 06:37:02 AM	08-09-2010 06:37:31 AM	00:00:29	
5	Zealtop Cerm	schedule	SUCCESS	Successfully done	08-09-2010 06:36:27 AM	08-09-2010 06:36:56 AM	00:00:29	
6	Suntel Cerm	schedule	SUCCESS	Successfully done	08-09-2010 06:35:01 AM	08-09-2010 06:36:19 AM	00:01:18	
7	Senso Cerm	schedule	SUCCESS	Successfully done	08-09-2010 06:33:37 AM	08-09-2010 06:34:54 AM	00:01:17	
8	Captain Cerm.	schedule	SUCCESS	Successfully done	08-09-2010 06:32:12 AM	08-09-2010 06:33:30 AM	00:01:18	
9	AVELON CERM	schedule	SUCCESS	Successfully done	08-09-2010 06:30:47 AM	08-09-2010 06:32:05 AM	00:02:42	

**Description:** This screen is used to see the Status log of the customers. User should be able to see the Duration (Dial Period) of the particular customer at the last column of the list.

Field name	Description
Clear Log	User should be clear all status log by clicking Clear Log button.
Export To Excel	User should be able to export the Status Information into excel file by clicking on Export To Excel button.

# Schedule Log

**AMR SCADA**  
Apex Automation Pvt. Ltd. No Logo

Dashboard Configuration **Schedule** Charts Administration Reports Change Password Logout Welcome, admin

**Administrative Tasks**

Name :

Customer :

- GUJARAT
  - RAJKOT
    - MORBI
      - AVELON CERM
      - Captain Cerm.
      - CoralPlus Cerm
      - GC\_himmatnagar
      - Senso Cerm
      - Suntel Cerm
      - SuperTiles
      - Zealtop Cerm

From Date:  To Date:

Field name	Description
Customer	User should be able to select multiple customer(s) for schedule log.
From Date	User should be able to select From date to see schedule log starting from particular date.
To Date	User should be able to select To date to see schedule log up to particular date.

Schedule Log <span style="float: right;">close or Esc Key</span>				
Export To Excel				
Sr. No	Customer Name	Request Type	Status	Date
1	AVELON CERM	Read	Complete	07-09-2010 11:51:44 AM
2	Max-2	Read	Complete	06-09-2010 11:52:16 AM
3	Captain Cerm.	Read	Complete	06-09-2010 11:44:54 AM
4	AVELON CERM	Read	Complete	06-09-2010 11:41:19 AM
5	Senso Cerm	Read	Complete	06-09-2010 11:32:47 AM
6	Max-2	Read	Complete	06-09-2010 11:23:45 AM
7	AVELON CERM	Read	Complete	06-09-2010 10:40:23 AM

**Description:** This screen is use to see the Schedule log Information of the customers along with Request type, Status, etc.

Field name	Description
Export To Excel	User should be able to Export Schedule log information to the excel file by clicking on Export To Excel Button.

# Write Log

The screenshot shows the AMR SCADA Administration interface. The top navigation bar includes 'Dashboard', 'Configuration', 'Schedule', 'Charts', 'Administration' (selected), 'Reports', 'Change Password', and 'Logout'. The user is logged in as 'admin'. The main content area is titled 'Administrative Tasks' and contains a form for configuring the 'Write Log' task. The 'Name' dropdown is set to 'Write Log'. The 'Customer' section shows a tree view with 'GUJARAT' selected, containing 'RAJKOT' and 'MORBI'. Under 'MORBI', several 'Cerm' products are listed with checkboxes: AVELON CERM, Captain Cerm., CoralPlus Cerm, GC\_himmatnagar, Senso Cerm, Sutel Cerm, SuperTiles, and Zealltop Cerm. Below the tree view, there are date pickers for 'From Date' and 'To Date', both set to 25/06/2010. A 'Show' button is located at the bottom of the form.

Field name	Description
Customer	User should be able to select multiple customer(s) for Write log.
From Date	User should be able to select From date to see write log starting from particular date.
To Date	User should be able to select To date to see write log up to particular date.

Write Log								
close or Esc Key								
Export To Excel								
Sr. No	Customer Name	Request Type	Parameter Name	Old Value	New Value	Write Status	Status	Date
1	Sun-up Botanics	Read	N2	716483.3125	50.0000	Success	Complete	11-05-2010 10:01:11 AM
2	Leotech	Read	SP Input	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
3	Leotech	Read	Temp Input	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
4	Leotech	Read	Flowrate	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
5	Leotech	Read	Volume Today	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
6	Leotech	Read	Volume Accum	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
7	Leotech	Read	Energy_HR	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
8	Leotech	Read	Energy Today	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
9	Leotech	Read	Energy Yesterday	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
10	Leotech	Read	Energy Accum	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
11	Leotech	Read	Unc Flowrate	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
12	Leotech	Read	Unc Today	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
13	Leotech	Read	Unc Yesterday	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
14	Leotech	Read	Unc Accum	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
15	Leotech	Read	Heating Value	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
16	Leotech	Read	N2	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
17	Leotech	Read	CO2	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
18	Leotech	Read	CH4	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
19	Leotech	Read	C2	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
20	Leotech	Read	C3	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
21	Leotech	Read	IC4	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
22	Leotech	Read	NC4	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
23	Leotech	Read	IC5	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
24	Leotech	Read	NC5	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM
25	Leotech	Read	C6	0.0000	0.0000	InProgress	Complete	11-05-2010 09:49:20 AM

1 | 2 | 3 | 4 | 5 | 6 | 7

**Description:** This screen is use to see the Write log Information of the selected customers.

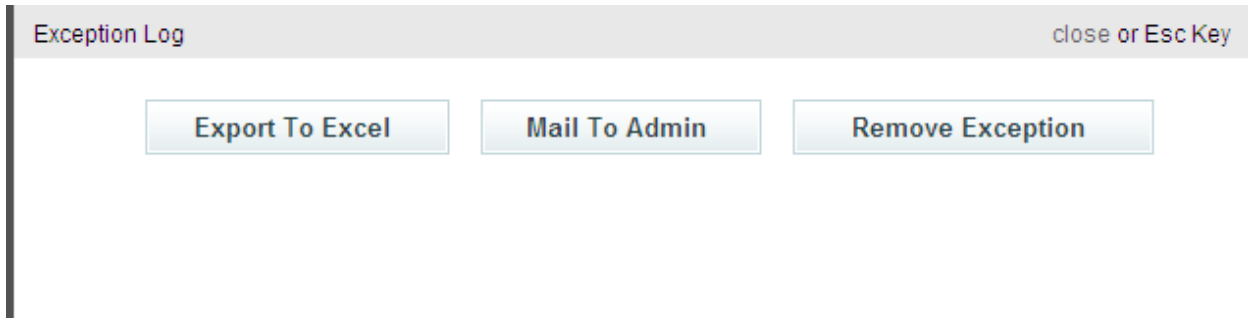
Field name	Description
Export To Excel	User should be able to Export Write log information to the Excel file by clicking on Export To Excel Button.

# Exception Log

The screenshot shows the AMR SCADA web application interface. The header includes the AMR SCADA logo and the text 'Apex Automation Pvt. Ltd.' with a 'No Logo' button. The navigation menu contains 'Dashboard', 'Configuration', 'Schedule', 'Charts', 'Administration', 'Reports', 'Change Password', and 'Logout'. The user is logged in as 'admin'. The main content area is titled 'Administrative Tasks' and contains a form with the following fields:

- Name: ---Exception Log (dropdown menu)
- From Date: 25/06/2010 (calendar icon)
- To Date: 25/06/2010 (calendar icon)
- Show (button)

Field name	Description
From Date	User should be able to select From date to see exception log starting from particular date.
To Date	User should be able to select To date to see exception log up to particular date.



**Description:** This screen is use to do various operation on Exception log. This screen should be open by clicking on the Show button.

Field name	Description
<b>Export To Excel</b>	User should be able to export the exception log into excel file by clicking on Export To Excel button.
<b>Mail To Admin</b>	User should be able to send the exception log via e-mail to the admin user by clicking on Mail To Admin.
<b>Remove Exception</b>	User should be able to remove the exception log from the database by clicking on Remove Exception button.

# Report Log

The screenshot shows the AMR SCADA web interface. The header includes the AMR SCADA logo and the text 'Apex Automation Pvt. Ltd.' with a 'No Logo' button. The navigation menu contains: Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is logged in as 'admin'. The main content area is titled 'Administrative Tasks' and contains a form with the following fields:

- Name:** A dropdown menu currently showing '---Report Log'.
- From Date:** A date input field containing '25/06/2010'.
- To Date:** A date input field containing '25/06/2010'.
- Show:** A button to submit the form.

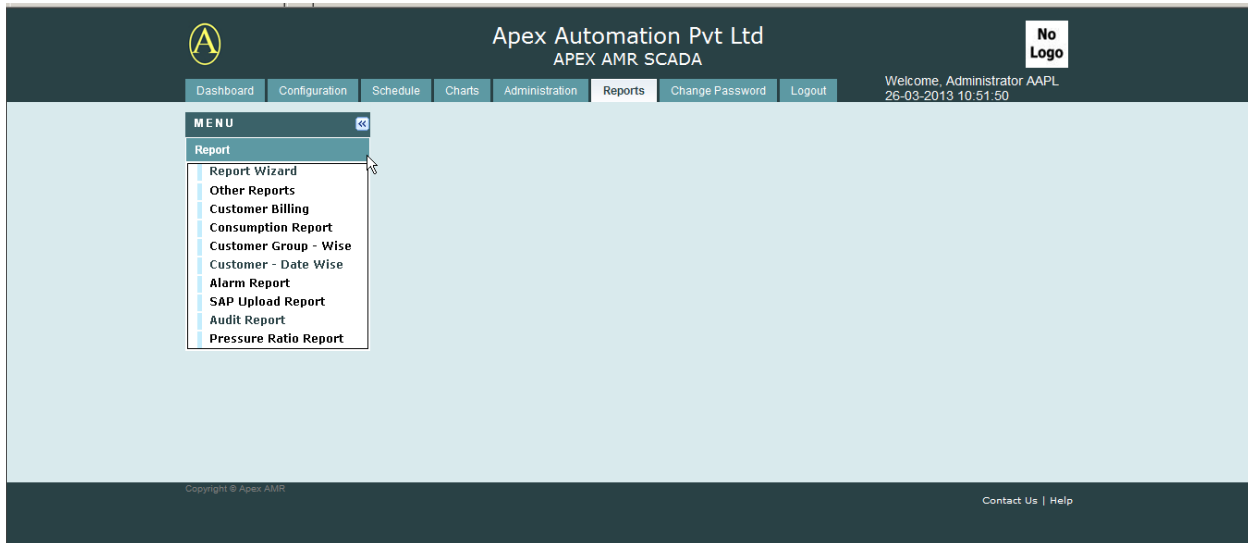
Field name	Description
From Date	User should be able to select From date to see report log starting from particular date.
To Date	User should be able to select To date to see report log up to particular date.

Report Log <span style="float: right;">close or Esc Key</span>						
<input type="button" value="Clear Log"/>		<input type="button" value="Export To Excel"/>				
Sr. No	Report Name	Driver Name	Customer Name	Status	Error Message	Date
1	AlarmReport	COMP41	Alpha Techn, Apricot	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	08-09-2010 09:55:00 AM
2	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	08-09-2010 09:30:53 AM
3	AlarmReport	COMP41	Alpha Techn, Apricot	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	07-09-2010 09:54:56 AM
4	AlarmReport	COMP41	Alpha Techn	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	07-09-2010 09:31:50 AM
5	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	07-09-2010 09:30:42 AM
6	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, Solo Sanateries, Ocean Ceramic, Real Ceramic	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 07:36:14 PM
7	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, Solo Sanateries, Ocean Ceramic, Real Ceramic	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 07:13:02 PM
8	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, Solo Sanateries, Ocean Ceramic, Real Ceramic	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 07:03:20 PM
9	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, Solo Sanateries, Ocean Ceramic, Real Ceramic	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 07:01:51 PM
10	AlarmReport	COMP41	AVELON CERM	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 05:31:03 PM
11	AlarmReport	COMP41	AVELON CERM	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 04:54:59 PM
12	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, JM Cooper, Leotech, Sanraj Polyprint, Balaji Wafers, Alpha Techn, Solo Sanateries, Ocean Ceramic, Real Ceramic, Apricot, Bhavani Indust	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 04:45:15 PM
13	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, JM Cooper, Leotech, Sanraj Polyprint, Balaji Wafers, Alpha Techn, Solo Sanateries, Ocean Ceramic, Real Ceramic, Apricot, Bhavani Indust	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 04:41:48 PM
14	AlarmReport	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, CoralPlus Cerm, SuperTiles, solaris, Max-2, JM Cooper, Leotech, Sanraj Polyprint, Balaji Wafers, Alpha Techn, Solo Sanateries, Ocean Ceramic, Real Ceramic, Apricot, Bhavani Indust	Fail	Mailbox unavailable. The server response was: not local host digi-corp.com, not a gateway	06-09-2010 04:34:17 PM
15	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: rakesh@digi-corp.com	03-09-2010 09:30:37 AM
16	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: rakesh@digi-corp.com	02-09-2010 09:31:02 AM
17	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: rakesh@digi-corp.com	01-09-2010 09:30:27 AM
18	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	26-08-2010 09:30:45 AM
19	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	25-08-2010 09:30:06 AM
20	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	24-08-2010 09:30:54 AM
21	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	23-08-2010 09:30:40 AM
22	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	22-08-2010 09:30:40 AM
23	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	21-08-2010 09:30:45 AM
24	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	20-08-2010 09:31:14 AM
25	CustomerDateWise	COMP41	AVELON CERM, Captain Cerm., Senso Cerm, Suntel Cerm, Zealtop Cerm, SuperTiles	Success	Mail sent successfully to: bhavin.patel@apexautomation.in	19-08-2010 09:30:50 AM

**Description:** This screen is use to see Report log. This screen should be open by clicking on the Show button.

Field name	Description
Clear Log	User should be clear all report log by clicking Clear Log button.
Export To Excel	User should be able to Export Report Log Information to Excel file of selected period by clicking on Export To Excel Button.

# Reports





This screen shows the report menu, which contains various reports and report scheduling pages.

# Report Wizard

## Step – 1

If User selects Report Type as Dynamic then following screen will displayed to the user.

The screenshot shows the 'Add Template' wizard interface. On the left, there is a sidebar with menu items: Basic, Criteria, Customers, and Schedule. The main area is titled 'Add Template' and includes a 'View All' link in the top right. The 'Report Type' is set to 'Dynamic' (selected with a radio button). The 'Template Name' is 'Test'. The 'Parameter Name' list is a scrollable list of parameters. Two parameters, 'Flowrate' and 'Volume Yesterday', are selected in the list and have been moved to a separate box on the right. There are two arrow buttons between the lists: a right-pointing arrow above and a left-pointing arrow below. A 'Next' button is located at the bottom right of the main area.

Field name	Description
Template Name	User should be able to enter the name of the Template for dynamic report template creation.
Parameter Name	User should be able to multiple parameter names from the list.
 (Button)	By clicking this button all selected parameters are transferred to final parameter list.
 (Button)	By clicking this button all selected parameters from final parameter list are removed.
Next	By clicking this button user should be able go on next step or Step -2.

If User selects Report Type as Static then following screen will displayed to the user.

Field name	Description
Template Name	User should be able to enter the name of the Template for Static report to create report schedule.
Report Name	User should be able to select any report name from the option available.
Next	By clicking this button user should be able go on next step or Step -2.

**Note:** If User selects Report Type as Static then Step – 2 as shown in the below screen is visible to the user. Instead Step – 3 will be Step – 2 and Step – 4 will be Step – 3 for the static report.

## Step – 2

If user selects Dynamic, then Step – 2 will be criteria selection. Following is the screen for criteria.

**Add Template**
[View All](#)

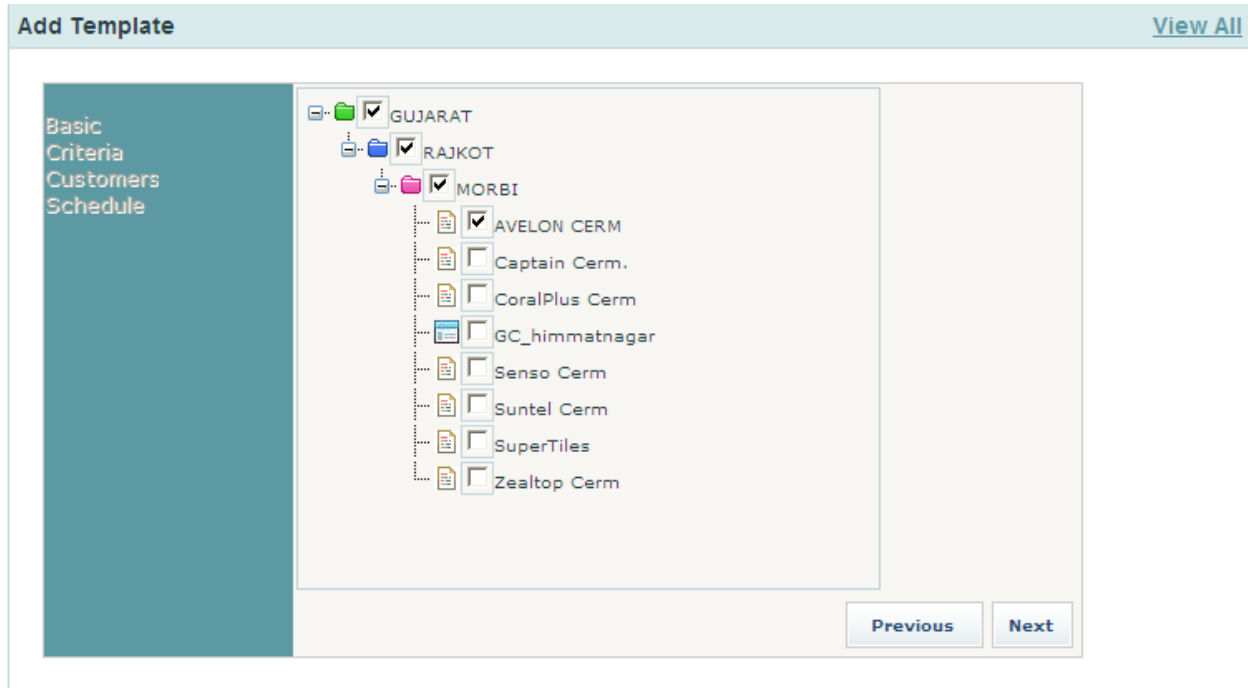
	Parameter name	Operation	Value	Precision	Header Name	Total	Average
Basic Criteria Customers Schedule	Flowrate	Multiply ▼	1	0	Flow	<input type="checkbox"/>	<input type="checkbox"/>

Previous Next

Field name	Description
<b>Parameter Name</b>	Shows the parameter name which is/are selected on step -1.
<b>Operation</b>	User should be able to select operation type from list. This is for if user want to do any kind of operation on parameter like (Multiply, division, addition or subtraction).
<b>Value</b>	User should be able to enter the value to do specific operation on parameter.
<b>Precision</b>	User should be able to enter the value (between 1 to 10) to get precise parameter details in the report.
<b>Header Name</b>	User should be able to enter the header name for the parameter which is going to be display in report.
<b>Total</b>	User should be able to select the Total checkbox if he/she wants total of the particular parameter in the report.
<b>Average</b>	User should be able to select the Total checkbox if he/she wants average of the particular parameter in the report.

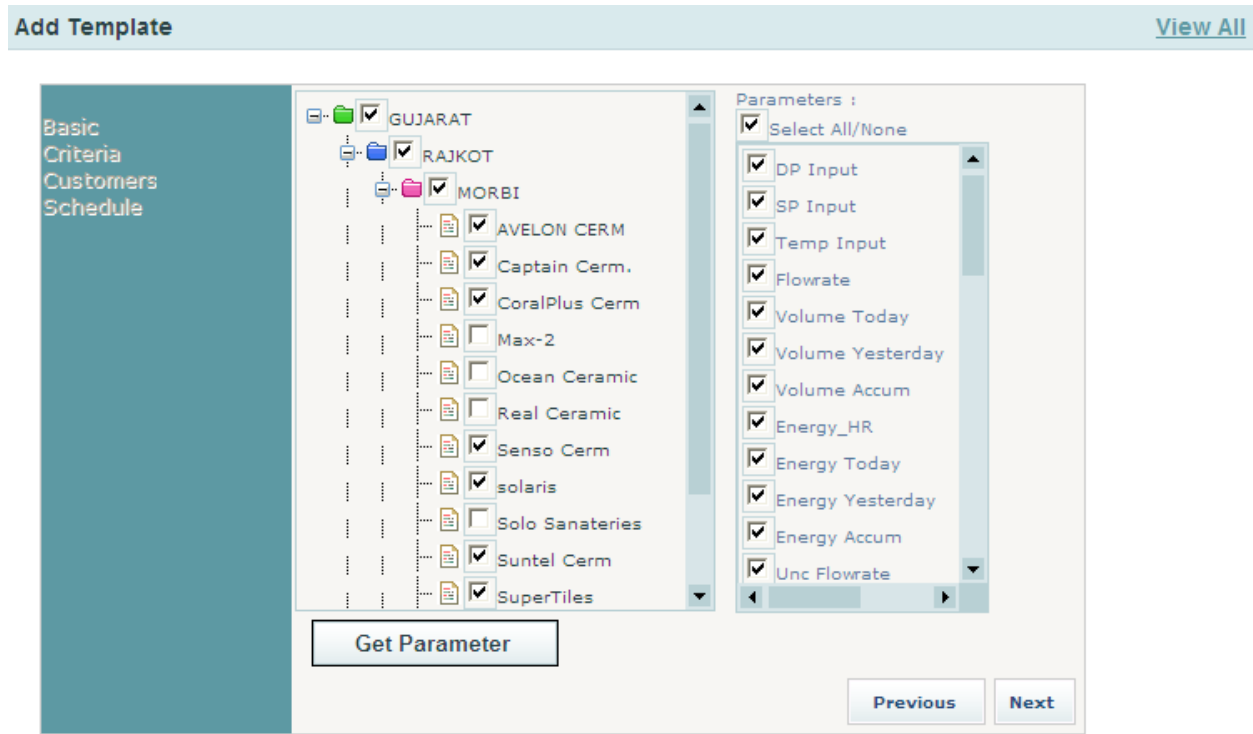
### Step – 3

If user selects Dynamic, then Step – 3 will be customer selection. Following is the screen for customer selection. User should be able to select multiple customers for report.



### Step – 3

If user selects Static and Report Name as Daily Alarm Report, then Step – 3 will be customer and parameter selection. Following is the screen for customer and parameter selection. User should be able to select multiple customers and parameters for report.



Field name	Description
Get Parameter	After selecting appropriate customers from the Customer List to get List of Parameter user should click on Get Parameter Button.
Select All/None	User should be able to select all or de-select all parameter by clicking on Select All/None checkbox.

## Step – 4

If user selects Dynamic, then Step – 4 will be Schedule selection. Following is the screen for schedule selection for Daily Single.

The screenshot shows a web form titled "Add Template" with a "View All" link in the top right. On the left is a vertical navigation menu with options: "Basic", "Criteria", "Customers", and "Schedule". The main form area contains the following fields:

- Driver Name:** A dropdown menu with "VPC" selected.
- Report Type:** A dropdown menu with "Daily Single" selected.
- Date:** A date picker showing "22/06/2010" with a calendar icon to its right.
- Time:** A time picker showing "12:00 AM".
- Report Format:** Two checkboxes: "PDF" and "Excel", both are unchecked.
- E-mail/Print:** Two checkboxes: "E-mail" and "Print", both are unchecked.

At the bottom right of the form are two buttons: "Previous" and "Finish".

Field name	Description
<b>Driver Name</b>	List down all Drivers available in the system. User should be able to select appropriate Driver using which he/she wants to create report.
<b>Report Type</b>	If user selects report type as Daily Single then Date and Time will be visible to the user. By default Date will display Today's date and Time will be 12:00 AM.
<b>Date</b>	User should be able to select Date by clicking on Image beside date textbox.
<b>Time</b>	User should be able to enter Time in this textbox.

## Step – 4

If user selects Static and Daily Alarm Report, then Step – 4 will be as shown in below screen. Here Report Type will be Daily Single and it will be disable. Also there are options available like Alarm Type and Send Instant E-mail, which will be shown if user selects Daily Alarm Report.

Field name	Description
Driver Name	List down all Drivers available in the system. User should be able to select appropriate Driver using which he/she wants to create report.
Report Type	If user selects report type as Daily Single then Date and Time will be visible to the user. By default Date will display Today's date and Time will be 12:00 AM.
Date	User should be able to select Date by clicking on Image beside date textbox.
Time	User should be able to enter Time in this textbox.
Alarm Type	User should be able to select Alarm Type from the list. Alarm Type will be Communication, System and Parameter. By default there is nothing selected in the list, user have to select Alarm Type to generate particular Alarm Type else it will generate all report.
Send Instant E-mail?	User should be able to Check or Uncheck this option to send instant e-mail Daily Alarm Information to the users.

## Step – 4

If user selects report type as Daily Multiple then following screen will be displayed to the user.

Field name	Description
Driver Name	List down all Drivers available in the system. User should be able to select appropriate Driver using which he/she wants to create report.
Report Type	If user selects report type as Daily Single then Date and Time will be visible to the user. By default Date will display Today's date and Time will be 12:00 AM. Also the Interval and Daily Timings will be visible to the user.
Interval	User should be able to enter the interval in minutes. This is useful to create report in specified interval of time.
Show Timings	On click of Show Timings button, system automatically calculates the timings for user entered interval time.
Daily Timings	List down calculated timings by the system. Using that user should be able to understand at what particular time report is going to be generated.

## Step – 4

If user selects report type as Weekly then following screen will be displayed to the user.

**Add Template**
[View All](#)

Basic  
 Criteria  
 Customers  
 Schedule

Driver Name:	<input type="text" value="VPC"/>
Report Type:	<input type="text" value="Weekly"/>
Time:	<input type="text" value="12:00 AM"/>
Week Days:	<input type="text" value="Monday"/> <input type="text" value="Tuesday"/> <input type="text" value="Wednesday"/> <input type="text" value="Thursday"/>
Report Format:	<input type="checkbox"/> PDF <input type="checkbox"/> Excel
E-mail/Print:	<input type="checkbox"/> E-mail <input type="checkbox"/> Print

Field name	Description
<b>Driver Name</b>	List down all Drivers available in the system. User should be able to select appropriate Driver using which he/she wants to create report.
<b>Report Type</b>	If user selects report type as Daily Single then Time and Week Days will be visible to the user. By default Time will be 12:00 AM.
<b>Week Days</b>	List down week days. User should be able to select any one week day to generate report on that particular day.

## Step – 4

If user selects report type as Fortnightly then following screen will be displayed to the user.

**Add Template**
[View All](#)

Basic  
 Criteria  
 Customers  
 Schedule

Driver Name:	<input type="text" value="COMP41"/>
Report Type:	<input type="text" value="Fortnightly"/>
Time:	<input type="text" value="09:30 AM"/>
Days Range:	<input type="text" value="16 - 31"/>
Day for Fortnight Report:	<input type="text" value="8"/>
Report Format:	<input type="checkbox"/> PDF <input type="checkbox"/> Excel
E-mail/Print:	<input checked="" type="checkbox"/> E-mail <input type="checkbox"/> Print
E-mail IDs:	<input style="width: 100%;" type="text" value="abc.xyz@pqr.com, pat@example.com"/>

e.g. pat@example.com; abc.xyz@abc.com;

Field name	Description
<b>Driver Name</b>	List down all Drivers available in the system. User should be able to select appropriate Driver using which he/she wants to create report.
<b>Report Type</b>	If user selects report type as Fortnightly then Time, Year, Month, Period, Days Range will be visible to the user. By default Time will be 12:00 AM.
<b>Time</b>	User should be able to enter Time, on which particular report generates.
<b>Days Range</b>	Shows days range like 1 to 15 and 16 to 30/31 as per months selection. As per user selection appropriate report will be generated.
<b>Days for Fortnight Report</b>	List down days as per Days Range selected by user. If user selects 1 to 15 then list will be populated with days 16 to 25. And if user selects 16 to 30/31 then list will be populated with days 1 to 10. According to day selected by user appropriate report will be generated on that day for the selected Days Range.

## Step – 4

If user selects report type as Monthly then following screen will be displayed to the user.

The screenshot shows the 'Add Template' form. On the left is a sidebar with menu items: Basic, Criteria, Customers, and Schedule. The main form area contains the following fields and controls:

- Driver Name:** A dropdown menu with 'VPC' selected.
- Report Type:** A dropdown menu with 'Monthly' selected.
- Time:** A text input field containing '12:00 AM'.
- Month Days:** A list box containing the numbers 1, 2, 3, and 4. The number '1' is highlighted.
- Report Format:** Two checkboxes labeled 'PDF' and 'Excel', both of which are unchecked.
- E-mail/Print:** Two checkboxes labeled 'E-mail' and 'Print', both of which are unchecked.
- Buttons:** Two buttons labeled 'Previous' and 'Finish' are located at the bottom right of the form.

Field name	Description
Driver Name	List down all Drivers available in the system. User should be able to select appropriate Driver using which he/she wants to create report.
Report Type	If user selects report type as Monthly then Time, Month Days will be visible to the user. By default Time will be 12:00 AM.
Month Days	List down all month days from 1 to 31. User should be able to select any one month day from the list to generate the report

## Step – 4

Report Format and E-mail/Print option will be visible always. By selection of these option user should be able to export the report to any particular format and e-mail and/or print the report also. Following is the screen for the same.

Report Format:  PDF  Excel

E-mail/Print:  E-mail  Print

E-mail IDs:

e.g. pat@example.com; abc.xyz@abc.com;

Printer Name:

[Previous](#) [Finish](#)

Field name	Description
Report Format	User should be able to export report either in PDF and/or Excel format by selection of these options. User should be able to select either one or both of them.
E-mail/Print	User should be able to e-mail and/or Print the report by selection of these options. User should be able to select either one or both of them. If user selects E-mail then E-mail IDs is visible to the user and if Print is selected then Printer Name is visible to the user.
E-mail IDs	User should be able to enter multiple e-mail addresses to send the report to the entered e-mail ids. To separate e-mail addresses user have to put comma (,) between each e-mail address.
Printer Name	This name is not editable by the user. It will just give the idea about the name of the printer. Printer name will be fetched from the configuration file. If user wants to change the name of printer then he/she have to change it from the configuration file.

# Other Reports

**Description:** This screen is use to show the dynamic report.

Field name	Description
Report Template	List down all template generated using report wizard screen. User has to select any of the templates to view the dynamic report.
From Date	User should be able to select the From Date to view the report.
To Date	User should be able to select the To Date to view the report.
View Report	Click on this button to view the report.

# Customer Billing Report

The screenshot displays the AMR SCADA web application interface. At the top, the header includes the logo, the text "AMR SCADA Apex Automation Pvt. Ltd.", and a "No Logo" button. Below the header is a navigation menu with tabs for "Dashboard", "Configuration", "Schedule", "Charts", "Administration", "Reports", "Change Password", and "Logout". The "Reports" tab is active, and the user is logged in as "admin".

On the left side, there is a "MENU" section with a "Report" sub-menu. The "Report" sub-menu is expanded, showing options: "Report Wizard", "Other Reports", "Customer Billing", "Overall Volume Acc.", "Customer Group - Wise", "Customer - Date Wise", and "Alarm Report".

The main content area is titled "Reports" and shows the configuration for the "Customer Billing Report". The "Name" field is set to "Customer Billing Rep" and is disabled. The "Customer" field is set to "AVELON CERM". Below this is a tree view showing the hierarchy of locations: "GUJARAT" (expanded) -> "RAJKOT" (expanded) -> "MORBI" (expanded) -> "AVELON CERM" (selected). Other locations listed under "MORBI" include "Captain Cerm.", "CoralPlus Cerm", "Max-2", "Ocean Ceramic", "Real Ceramic", "Senso Cerm", "solaris", "Solo Sanateries", "Suntel Cerm", and "SunTiles".

At the bottom of the configuration area, there are fields for "Year" (2010), "Month" (September), "Period" (Fortnight selected, Monthly unselected), and "Days Range" (1-15). A "Show" button is located below these fields.


On click of customer billing report from report menu user is redirected to the Administrative Tasks tab. In that case user will not be able to change the name. It will be disabled. User has to select the criteria and will be able to see the customer billing report.

# Consumption Report

To view overall volume consumption report, click on **Consumption report**.

The screenshot shows the 'Reports' section of the AMR SCADA interface. The 'Name' dropdown is set to 'Consumption Report'. The 'Customer' field is expanded to show a tree view of areas under GUJARAT, with MORBI selected. The 'Year' is set to 2013, 'Month' to March, 'Period' to Fortnight, and 'Days Range' to 16-31. 'Show' and 'Export' buttons are visible at the bottom.

The *Consumption Report* screen will display.

Field name	Description
Name	Displays the name of the report. <b>Note: In this case user will not be able to change the name of report as it is disabled.</b>
Customer	Select the appropriate customer(s) by selecting Area /Subarea. <b>Example: if you want to select only few customers from area or subarea, click  to expand and tick the checkbox of the appropriate customers.</b>
Year	From the <b>Year</b> dropdown menu, select appropriate year.
Month	From the <b>Month</b> dropdown menu, select the month for which you require the report.
Period	If you wish to get report for a period of half month then select <b>Fortnight</b> radio button else select <b>Monthly</b> radio button.
Days Range	From the dropdown menu, select appropriate days-range. <b>Note: Depending upon the selection you have done for Period field, the Days Range drop down will populate</b>

accordingly.

If you wish to view report, click on **Show** button else to directly export report, refer to [Directly Export](#).

## Customer – Group Wise Report

The screenshot shows the 'Reports' section of the Apex AMR SCADA interface. The 'Report' dropdown is set to 'Customer - Group Wise'. The 'Report Group' dropdown menu is open, displaying a list of groups: MORBI, test a, GSPC\_TEST, PAgrou, GSPC RG, and Vapi Test. The 'From Date' and 'To Date' fields are both set to '26/03/2013'. Below these fields are two buttons: 'View Reports' and 'Export'. A mouse cursor is pointing at the 'View Reports' button. The interface also includes a navigation menu with options like Dashboard, Configuration, Schedule, Charts, Administration, Reports, Change Password, and Logout. The user is identified as 'Administrator AAPL' and the current date and time are '26-03-2013 13:01:14'.

**Description:** This screen is use to show the report.

Field name	Description
Report	Shows the name of report.
Report Group	Select the multiple group for selected type of report
From date – To Date	Select the From date and to date to see the report of that period
View Report	Click on this button to display the report

To quickly export report, refer to [Directly Export](#).

# Customer – Date Wise Report

The screenshot shows the AMR SCADA web interface. The header includes the logo, 'AMR SCADA Apex Automation Pvt. Ltd.', and a 'No Logo' button. The navigation menu contains 'Dashboard', 'Configuration', 'Schedule', 'Charts', 'Administration', 'Reports', 'Change Password', and 'Logout'. The user is logged in as 'admin'. The 'Reports' section is active, displaying a form for 'Customer - Date Wise' reports. The form includes a 'Report' dropdown set to 'Customer - Date Wise', a 'Report Group' dropdown set to 'RG - 1', 'From Date' and 'To Date' fields both set to '26/06/2010', and a 'View Reports' button. A 'Go to other reports' link is also present.

**Description:** This screen is use to show the report.

Field name	Description
Report	Shows the name of report.
Report Group	Select the multiple group for selected type of report
From date – To Date	Select the From date and to date to see the report of that period
View Report	Click on this button to display the report

To quickly export report, refer to [Directly Export](#).


# Alarm Report

**Description:** This screen is use to show the Alarm report according to the criteria selected by user.

Field name	Description
Customer	List down the customer according to user rights wise. User should be able to select multiple customers from the list.
Parameters	List down the parameters according to the customer selection. User should be able to select multiple parameters from the parameter from the list.
Select All/None	User should be able to select all or de-select all parameter by click on this checkbox.
From date – To Date	Select the From date and to date to see the report of that period
View Report	Click on this button to display the report


# Audit Reports

**Description:** This screen displays the Audits Information which is logged for all masters.

Field name	Description
Report	From the <b>Report</b> drop-down menu, select the appropriate master which you want to inspect.
From date – To Date	Click  and pick dates accordingly to view the report of that period.
View Report	To display the report, click this button.

# Reconciliation Reports

**Description:** This screen displays the Reconciliation report.

Field name	Description
Report Template	From the <b>Report Template</b> drop-down menu, select the appropriate template.
From date – To Date	Click  and pick dates accordingly to view the report of that period.
View Report	To display the report, click this button.
Export	To directly export the report, click this button.

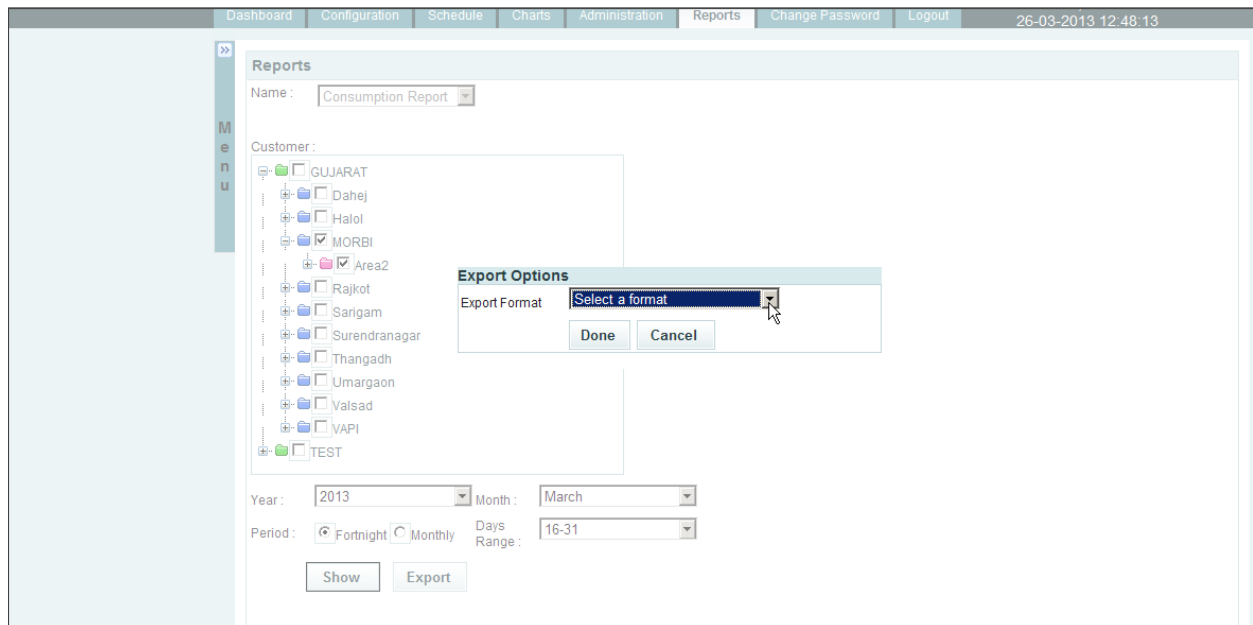
# Change Password

The screenshot shows the AMR SCADA web interface. The header includes the company logo (a yellow 'A' in a circle), the text 'AMR SCADA Apex Automation Pvt. Ltd.', and a 'No Logo' button. A navigation menu contains 'Dashboard', 'Configuration', 'Schedule', 'Charts', 'Administration', 'Reports', 'Change Password', and 'Logout'. The user is logged in as 'admin'. The main content area is titled 'Change Password' and contains three input fields: 'Old Password:', 'New Password:', and 'Confirm Password:'. Below these fields are 'Save' and 'Cancel' buttons.

**Description:** This form enables user to change the password.

Field name	Description
Old Password	Enables user to provide user name.
New Password	Enables user to provide New password.
Confirm Password	Enable user to provide confirm password

# Directly Export



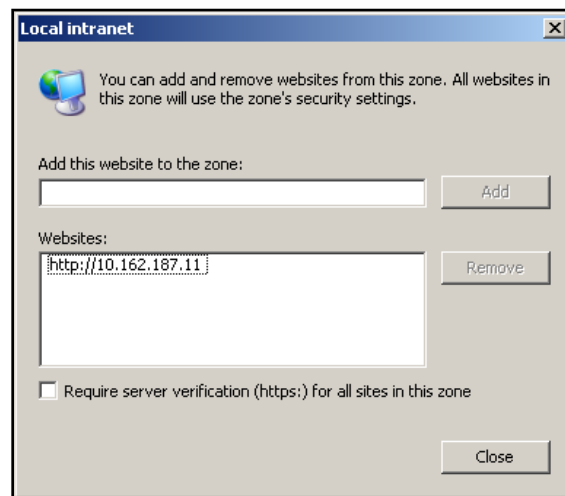
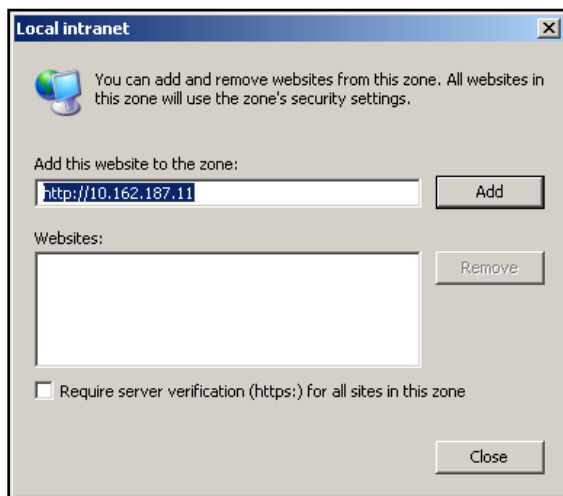
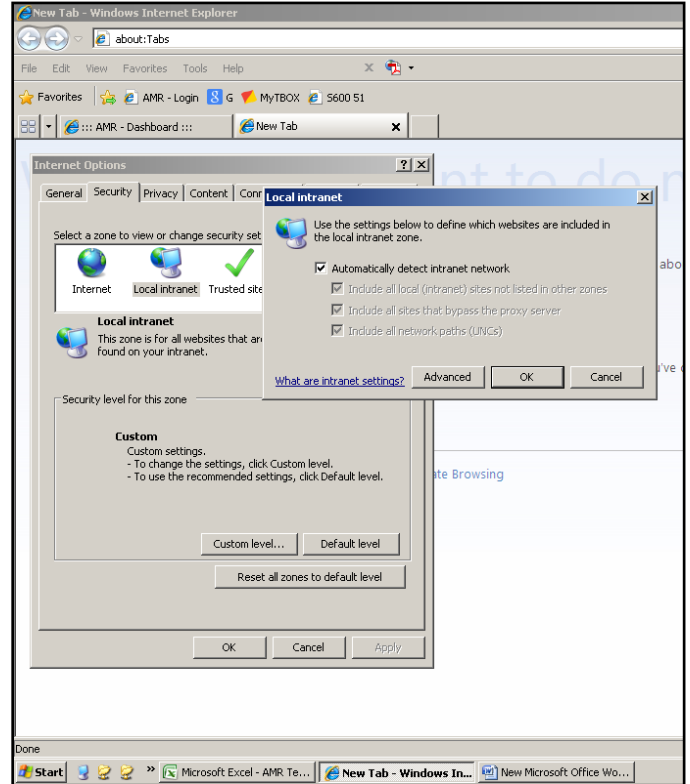
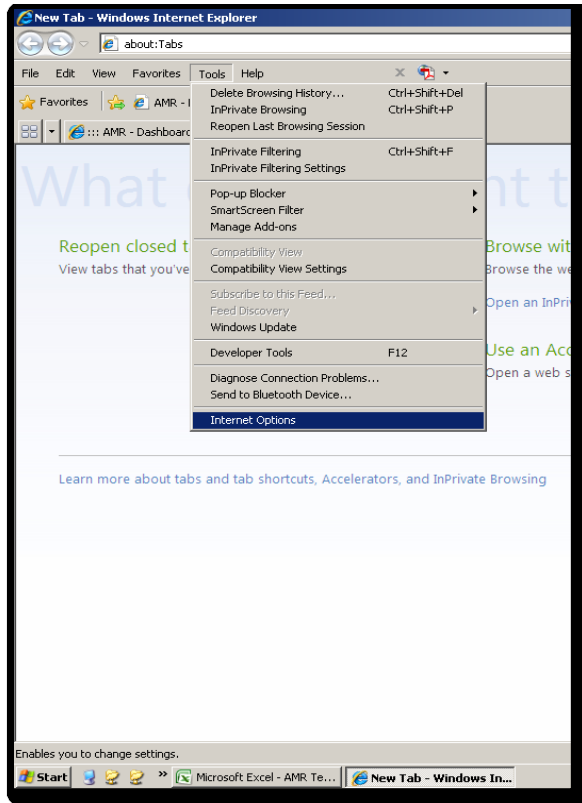
To quickly export report, click **Export** button.

The *Export Options* dialog box appears. From the **Export Format** drop down menu, select the required format and click **Done** to continue.

## Recommended Settings in Internet Explorer

### (1) Server Address to be added to local intranet zone to export reports.

- Please Go to Tools Menu > Internet Options > "Security" tab.
- Select Local Intranet and click on the sites button.
- Go to Advanced Button, Add **http://<WebsiteIP Address>** to local intranet zone and close settings. Example. <http://10.162.187.11>
- Please go through the images below for further reference.



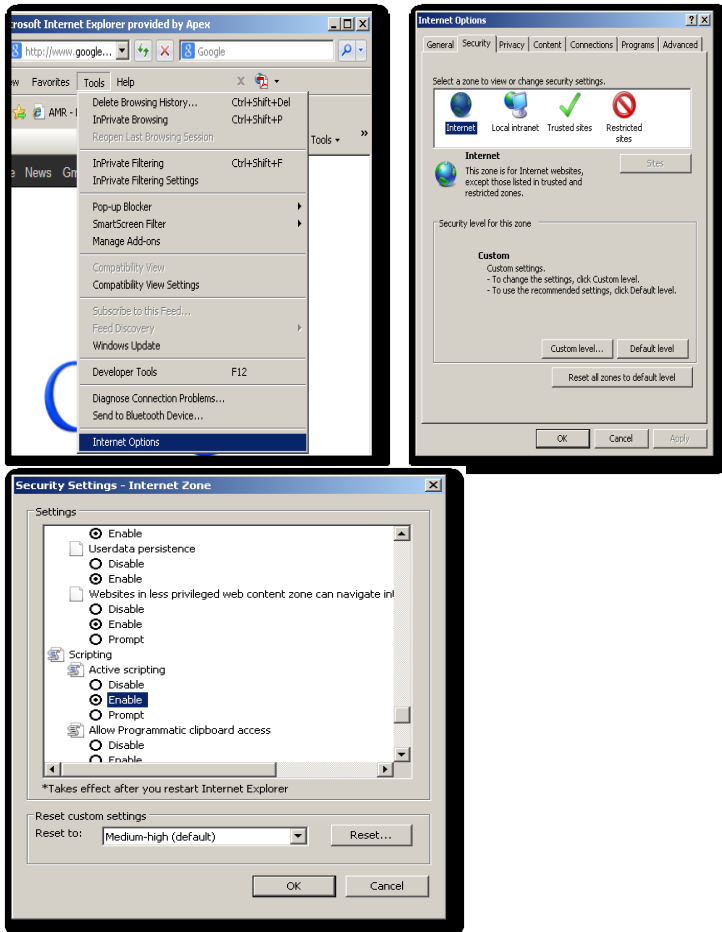
## (2) Active Scripting should be Enabled in the Browser used for AMR Web Application.

Follow the below steps to check or enable the Active Scripting.

- In the **Tools** drop-down menu, select **Internet Options**.
- Next, select the **Security** tab.
- Then select the **Custom Level** button.
- Locate **Scripting** near the bottom of the list.

- Under **Active Scripting**, select **Enable**, hit **OK**.
- Answer **yes** to the following confirmation box.
- Hit **OK** to close the Internet Options window.

Finally, hit **refresh** on your browser.



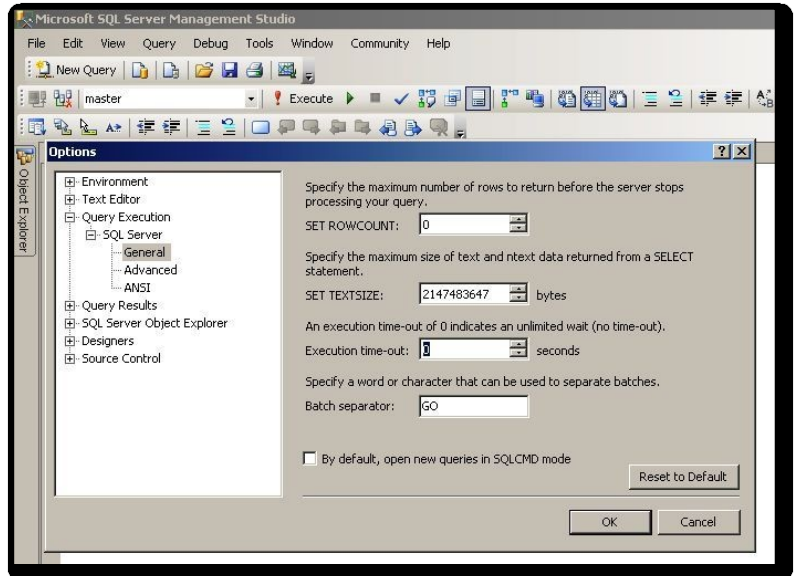
**Note :**

Having This setting disabled will cause configuration and logout tab to get disabled.  
I.e. No action will be taken on the instant of Mouse Click on Configuration & Logout Tab.

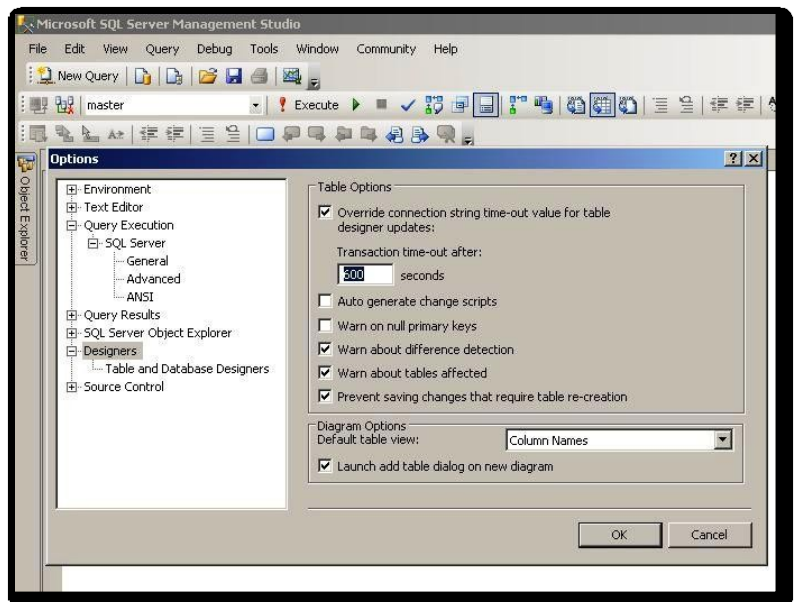
# Recommended Settings in SQL Server

Please do following changes on Database Server Machine.

- Open **SQL Server Management Studio**
- Click **Tools > Options**
- Expand **Query Execution**
- Expand **SQL Server**
- Select **General**
- Under **Execution time-out**, type **0**



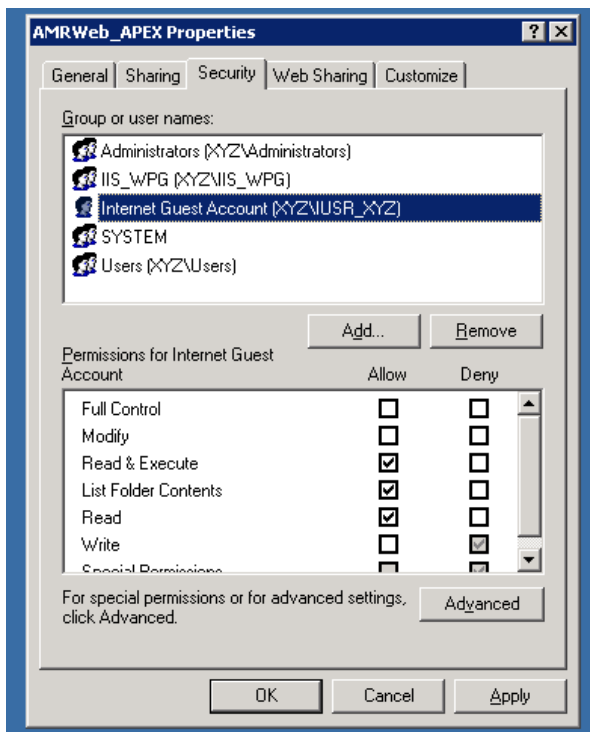
- Select **Designers**
- Under **Transaction time-out after textbox**, type **600**
- Press **OK**



# Interpretation of Common Exception Log Error & their Solution

**(1) Access to the path 'C:\inetpub\wwwroot\AMRWeb.....jpg' is denied.**

- a) Go to C:\inetpub\wwwroot \AMR Web
- b) Right click go to Properties , under Security tab, ensure iis user is added and permission are set to Read & Execute, List Folder contents, Read
- c) For more information, follow the screenshot



**(2) Access to the path 'C:\inetpub\wwwroot\AMRWeb.....noimage.jpg' is denied.**

Ensure the Company logo is visible on the right hand side, if not then go to Configuration tab > MainMaster > Organization. Click Browse and select logo then Click Update.


Please follow the screenshot for the same

Dashboard Configuration Schedule Charts Administration Reports Change Password Logout Welcome, Administrator AAPL 07-01-2013 10:53:21

**MENU** <<

- MainMaster
  - Organization
  - Driver Base Station
  - User
  - Manufacturer
  - Model
  - Customer Rights
- MainSettings
- OtherSettings
- CustomerDetail

### Edit Organization [View All](#)

Organization name:  

Address:

Phone Number:

Mobile Number:

Email ID:

Website:

Fax Number:

Logo:

Page Format:

Gas Consumption Parameters: 

- Actr. Uncr. Vol Accum.
- Actr. Uncr. Vol Today.
- Actr. Uncr. Vol yest.
- Actr. Vol Accum.
- Actr. Vol Today.
- Actr. Vol Yest.**
- AGA 7 Factor
- Atmos\_Pressure