

Version 1.5

18th March 2024

Landlord Management System

**User Manual**

# Disclaimer

User Guide

U11 Energy Billing Solution

for

EGSB

**7th Sep’2021**

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**Table of Contents**

[Disclaimer 2](#_Toc161756632)

[Document Release History 6](#_Toc161756633)

[Circulation Details 7](#_Toc161756634)

[Glossary 8](#_Toc161756635)

[1. Introduction 9](#_Toc161756636)

[2. Overview 9](#_Toc161756637)

[3. Prerequisite 9](#_Toc161756638)

[4. Getting Started 9](#_Toc161756639)

[4.1. Sign In 9](#_Toc161756640)

[4.2. Home Page and General Features 11](#_Toc161756641)

[4.2.1. Menu Bar 12](#_Toc161756642)

[4.2.2. Search Bar 13](#_Toc161756643)

[4.2.3. How to Search 14](#_Toc161756644)

[4.2.4. Logout 15](#_Toc161756645)

[5. Configuration 15](#_Toc161756646)

[5.1. Attributes 16](#_Toc161756647)

[5.1.1. Other Attributes 16](#_Toc161756648)

[6. Site 20](#_Toc161756649)

[6.1. Site View 20](#_Toc161756650)

[6.2. Map View of Sites 22](#_Toc161756651)

[6.3. Edit Site Details 25](#_Toc161756652)

[6.4. Decommission Site 25](#_Toc161756653)

[6.5. View Site Details 27](#_Toc161756654)

[6.5.1. Details 27](#_Toc161756655)

[6.5.2. Attributes 28](#_Toc161756656)

[6.5.3. Tenants 30](#_Toc161756657)

[6.5.4. Electric Meters 31](#_Toc161756658)

[6.5.5. Agreements 34](#_Toc161756659)

[6.5.5. Landlords 37](#_Toc161756660)

[6.5.6. Documents 40](#_Toc161756661)

[6.5.7. Tickets 42](#_Toc161756662)

[6.5.8. Events 47](#_Toc161756663)

[7. Landlord 49](#_Toc161756664)

[7.1. Landlord View 49](#_Toc161756665)

[7.2. Map View of Landlords 51](#_Toc161756666)

[7.3. Add a New Landlord 53](#_Toc161756667)

[7.4. Edit Landlord Details 55](#_Toc161756668)

[7.5. Remove a Landlord 57](#_Toc161756669)

[7.6. View Landlord Details 57](#_Toc161756670)

[7.6.1. Details 57](#_Toc161756671)

[7.6.2. Attributes 58](#_Toc161756672)

[7.6.3. Site 59](#_Toc161756673)

[7.6.4. Payments 60](#_Toc161756674)

[7.6.5. Invoices 61](#_Toc161756675)

[7.6.6. Documents 62](#_Toc161756676)

[7.6.7. Landlord Helpdesk 63](#_Toc161756677)

[7.6.8. Events 68](#_Toc161756678)

[8. User Management 70](#_Toc161756679)

[8.1. Add New User 70](#_Toc161756680)

[8.2. User List 71](#_Toc161756681)

[8.3. User Details 72](#_Toc161756682)

[8.4. Work Groups 73](#_Toc161756683)

[8.5 User Attributes 74](#_Toc161756684)

[User Skill 74](#_Toc161756685)

[9. Galaxy 75](#_Toc161756686)

[10. Invoice Management 77](#_Toc161756687)

[10.1. Add Invoice 80](#_Toc161756688)

[10.2. Edit Invoice 81](#_Toc161756689)

[11. Audit Trail 82](#_Toc161756690)

[12. Report 83](#_Toc161756691)

[12.1. Report Selection 84](#_Toc161756692)

[12.1.1. Agreement History Report 84](#_Toc161756693)

[12.1.2. Invoice Electricity Dump Report 85](#_Toc161756694)

[12.1.3. Invoice History Report 86](#_Toc161756695)

[12.1.4. Invoice Rental Dump Report 87](#_Toc161756696)

[12.1.5. Landlord Ledger Report (Invoice & Payments) 87](#_Toc161756697)

[12.1.6. Site Agreement Data Dump 88](#_Toc161756698)

[12.1.7. Site Data Dump 89](#_Toc161756699)

[12.1.8. Site Landlord Data Dump 90](#_Toc161756700)

[13. My Task 91](#_Toc161756701)

[13.1. Task Execution 92](#_Toc161756702)

[13.2. Tickets View 97](#_Toc161756703)

[14. Change Password 100](#_Toc161756704)

# Document Release History

|  |  |  |  |  |  |  |
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| 5 | 1.4 | 03-Apr-2023 | Souvik Chowdhury | Abhra Chandra | Rakesh Singh | Added User Skill |
| 6 | 1.5 | 18-Mar-2024 | Shubhraneel Barman | Arijit Bhattacharyya | Saradwata Sen | Added new features |

# Circulation Details

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| **Copy No.** | **Designation of Copy Holder** | **Location of the Copy** |
| 1 | UMT Project Manager | Soft Copy in SVN |
| 2 | SSTL Project Manager | Soft Copy via Email |

# Glossary

| **Acronyms** | **Description** |
| --- | --- |
| LMS | Landlord Management System |
| TelCo | Telecom Operator |
| TowerCo | Tower Operator |
| RFAI | Ready For Active Installation date |

# Introduction

Welcome to the **Landlord Management System**User Guide. This user guide is designed to provide step by step guides for users who will use Landlord Management System on a day-to-day basis. This document is designed to be read by operations team and users of TowerCo. This same document can be referred by testers for functional testing of the system.

# Overview

Landlord Management System provides a central user interface to view and manage operations on sites, agreements and landlords. It provides a 360̊ view of landlords, sites and agreements. It can be used for site, landlord, agreements, maintaining site and landlord relationship, agreement lifecycle. It also supports raising, monitoring and tracking trouble tickets at site or landlord level.

# Prerequisite

The users of the system should have -

* Desktop Computer
* Latest Chrome Browser (Version 100+) installed on the desktop
* Connectivity to the server running the Landlord Management System application
* URL of the application
  + https://<server><:port>/enterpriseassetmanager
* Credentials to log-in to the system

# Getting Started

This section includes login mechanism and general features of Landlord Management System.

## Sign In

* Open latest Google Chrome browser from desktop.
* Go to the application URL.
* A Sign In page will appear.

(If you previously signed in successfully from this desktop and did not log out, you will be taken directly to the home page instead of the Sign In page.)

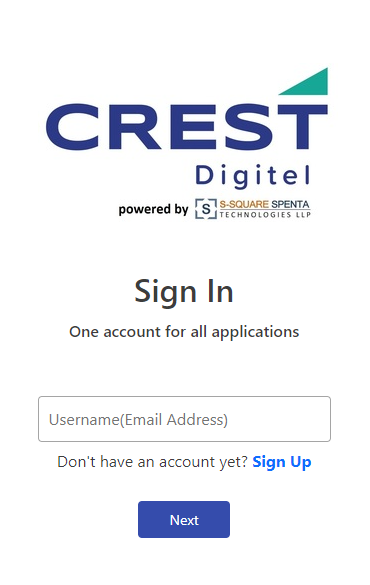


Figure 1 - Sign In Page

* Enter Username (Email Address).
* Click on the Next button.
* This will open the password page.

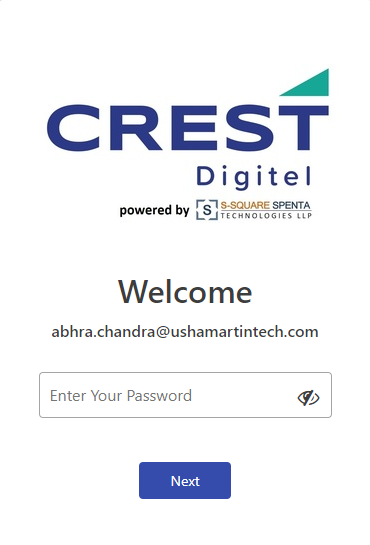


Figure 2 – Sign In Password Entry Page

* Enter password to login.
* Click on the Next button.
* In case of successful authentication, user will be redirected to the home page of the application.

## Home Page and General Features

After successful sign in, user is redirected to the home page of the application which is Landlord View.

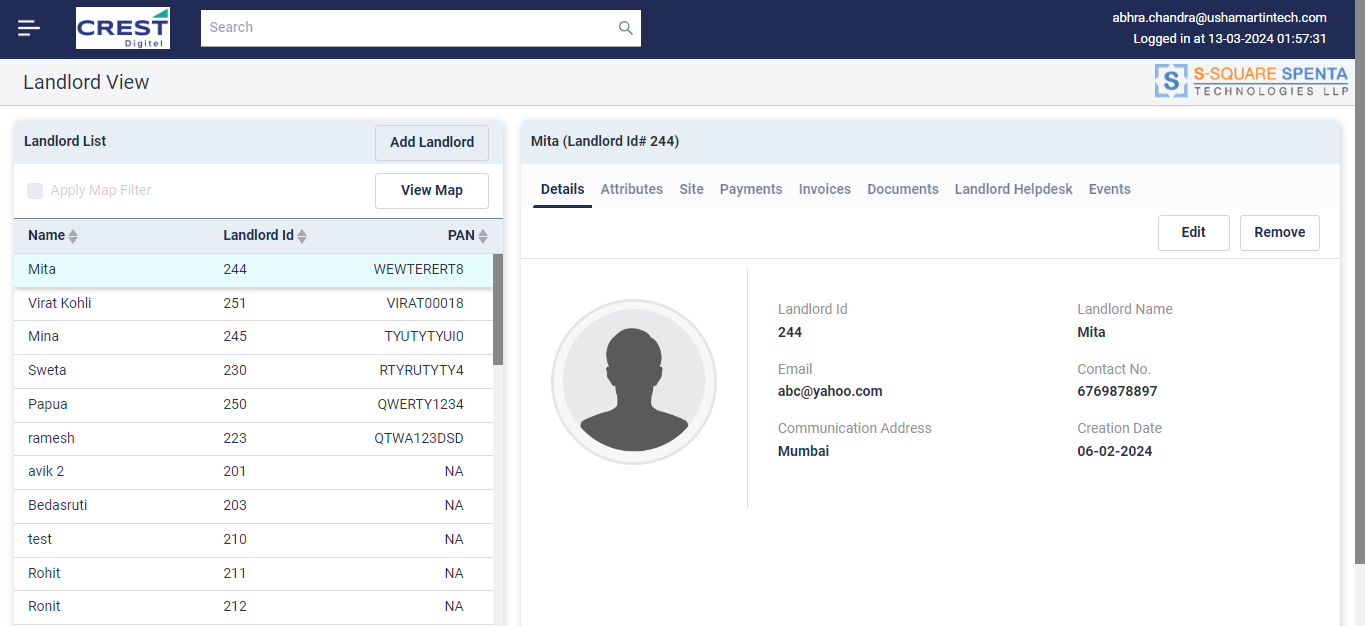


Figure 3 - Home Page after Signing In

Its general features are:

* Menu (Side Bar)
* Search (Header Bar)
* Logged in User Id and Login date and time are shown in top right corner.

### Menu Bar

Menu bar can be accessed anytime by clicking on the following icon on the top left corner of the page.



Figure 4 - Hamburger Menu Icon

Menu bar provides navigation to following components or views.

* **Site** – Navigates to *Site View* for all site or property related operations.
* **Landlord** - Navigates to *Landlord View* for all landlord related operations.
* **Configuration** – Navigates to System Configuration View.
* **User Management** - Navigates to user management view.
* **Galaxy** – Navigates to Galaxy view.
* **Invoice Management**- Navigates to Invoice Management view.
* **My Tasks -** Here, user can see the tasks assigned to him/her.
* **Audit Trail** – Navigates to Audit Trail view.
* **Report** – Navigates to Report view.
* **Change Password –** Here user, can change his/her password.
* **Logout** – To sign out of the application.

It is possible to seamlessly navigate from one view to another without any restrictions.

It is advised to save your work on the current view before navigating away from it, as the unsaved work (if any) will be lost on change of views.

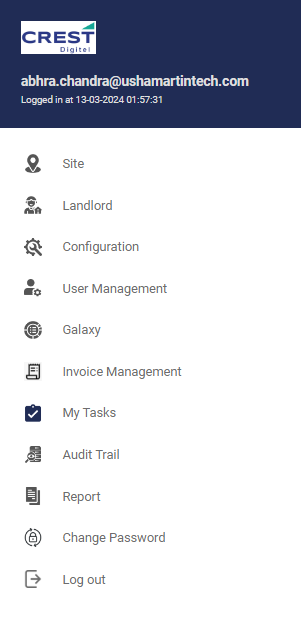


Figure 5 - Menu Bar (Expanded)

### Search Bar

Search Bar is present at the header part of the application.



Figure 6 - Search Bar

* User needs to enter the search string and then hit Enter button to search.
* The utility searches for the entities based on the currently selected view. For example, if the currently selected view is Landlord, then the utility will search and retrieve the matching landlords and populate them in the Landlord List.
* In the same way, sites and others can be searched from their respective views.
* Search option is not available in Configuration view.

### How to Search

* There are two ways to search, generic (among all attributes) and specific (among specific attributes).
* To search for a landlord, site or asset generically, enter any search string in the Search bar and hit Enter. All searches are case insensitive.
* The generic search utility searches for the entered string in the details field values and attribute values of the entities (Site / Landlord) and returns the entities having matching values.
* For example:
  + To Search with Landlord Name – enter the name of the landlord in the Search bar and hit Enter.
  + To search for Landlords in a Circle – enter the circle name and hit Enter.
* The search string can be partial instead of exact. For example, searching with *Amit* will return both landlords having attribute values Amit and Amitava.
* It is possible to search with multiple search strings together. Multiple search strings can be provided using comma as a separator. For Example:
  + To search landlords with name *Amit* and from the region of *Gurgaon,* enter the search string as – *Amit,Gurgaon*.
  + To search all landlords with google email id and phone number having *9433,* enter the search string as *gmail.com,9433.*

*Note: Generic search may return unintentional records, for example, searching for landlords with name Amit may return a landlord whose name is not Amit but ‘Amit’ is mentioned in any other attribute value, may be Relationship manager of the Landlord. This is because generic search searches all the attributes of the entity for any match.*

* Instead of generic search, it is possible to search specifically for entities specifying the attribute name and value to search for. For example, to search for all landlords with region Gurgaon, enter the search string as – circle:Gurgaon in Landlord view. This will only list Landlords with Region name as Gurgaon and ignore any other field having the string Gurgaon.
* Specific search can also be done using multiple search string. For example, to search for all landlords with region Gurgaon and address on NH-10, enter the search string as – region:Gurgaon,address:nh-10.
* It is also possible to combine generic and specific search together. For example, following is a valid search string – *Amit,Region:Gurgaon,Email:gmail.com*. This search string will search for all landlords having Amit in any attribute value and Gurgaon in region and gmail.com in Email attribute.
* Following are the supported keywords for the specific search per view:
  + Landlord View
    - ***LandlordName*** – To search in Landlord Names
    - ***ContactNo*** *–* To search in Landlord Contact Numbers
    - ***Circle*** *–* To search in Landlord Circles
    - ***Address*** *–* To search in Landlord Addresses
    - ***Email*** *–* To search in Landlord Email Addresses
  + Site View
    - ***SiteId –*** To search in Site Ids
    - ***SiteName –*** To search in Site Names
    - ***Description –*** To search in Site Descriptions
    - ***Address -*** To search in Site Addresses
    - ***Circle*** - To search in Site Circles
    - ***Latitude -*** To search in Site Latitudes
    - ***Longitude*** - To search in Site Longitude
* Other than the keywords mentioned above, names of all Landlord, Site created dynamically (from Configuration menu) can also be included in specific search condition.

### Logout

Click on the  menu in the side Menu bar to Log out from the application.

# Configuration

Configuration View allows the user to configure the system as per the business requirements. In the configuration view, user has access to a tabbed view of entities which can be configured. System allows configuring the following entities:

* **Attributes –** Configure Site, Landlord, and Agreement attributes to capture.
* **GL Code** – Configure GL Code to capture.
* **State Master** – Configure the States.
* **Bank Master** – Configure the Banks.



Figure 7 - Configuration View

## Attributes

* System allows configuring attributes dynamically to extend the application beyond the available fields to capture additional data as per business requirements.
* In Other Attributes sub tab - Attributes can be configured for sites too. User may also configure property attributes which are associated with sites. *Typically, technical attributes of a site are defined as Site attributes and physical attributes are configured as property attributes.*

### Other Attributes

* Other Attributes refer to Site, Property and Landlord attributes.
* To view Other Attributes details, click on “**Other Attributes**” sub tab under the “**Attributes”** tab of Configuration.

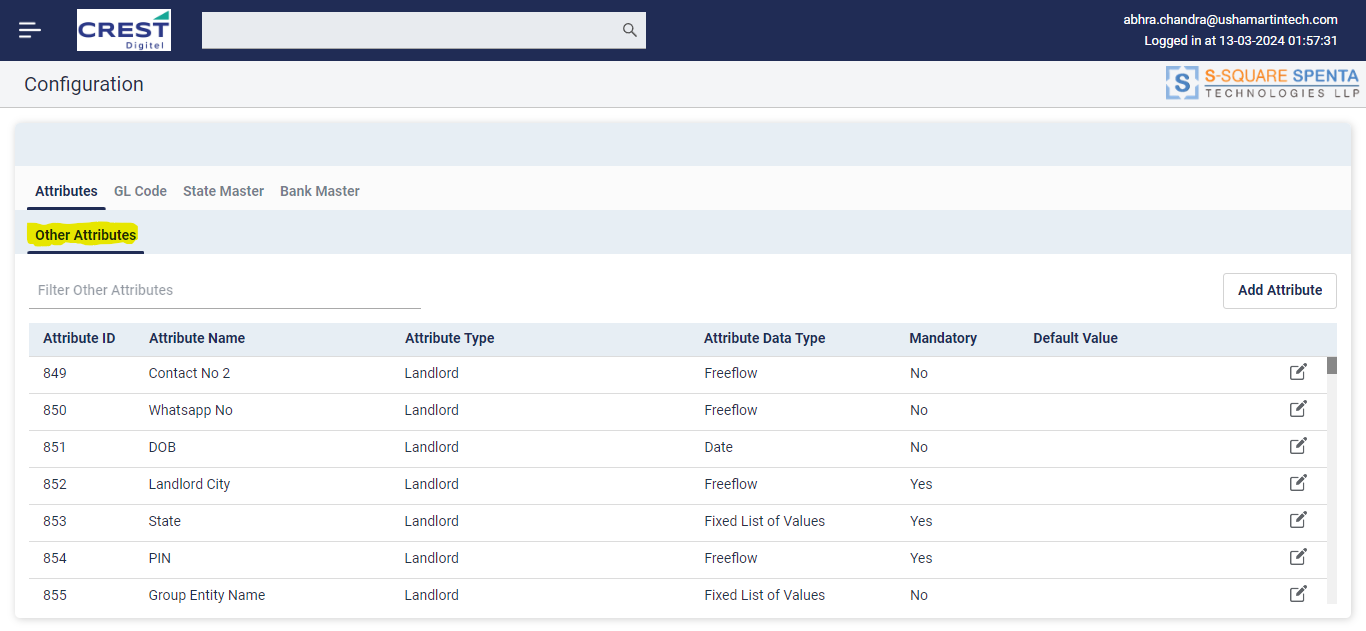


Figure 8 - Other Attributes

* To filter the Other Attributes list:
  + Enter any text in the filter bar. System will match the entered text with all the fields (Attribute ID, Attribute Name, Attribute Type, Attribute Data Type, Mandatory and Default Value) of the Attributes list and filter out the matching ones.
* To edit any details of Other Attributes:
  + Click on  icon.
  + This will open the Edit Attribute dialog.

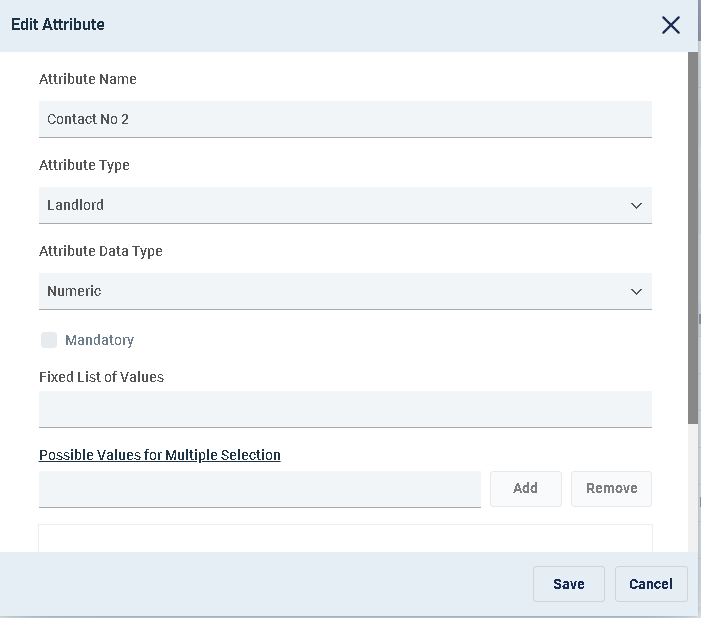


Figure 9 - Edit Attribute Dialog

* + Note that only Default value and Fixed List of Values (for Attribute with data type Fixed List of Values) can be modified and saved.
* To add Other Attributes:
  + Click on  button.
  + This will open the Add Attribute dialog.
  + Enter “Attribute Name”.
  + Select Attribute Type – any one of *Site*, *Landlord*, *Property* or *Agreement.*
  + Select “Attribute Data Type”. The allowed data types are –
  + *Numeric* – If an attribute data type is selected as numeric, then only digits can be entered in the attribute value including decimal numbers. For example, *123.*
  + *Alpha Numeric* – If an attribute data type is selected as alpha numeric, then only characters (A-Z and a-z) and digits can be entered in the attribute value. For example, *Ab120.*
  + *Freeflow -* If an attribute data type is selected as freeflow, then all characters, including special characters, and digits can be entered in the attribute value. For example, *A@#$%b(120098}.*
  + *Date –* If an attribute data type is selected as date, then calendar appears for date selection.
  + *Boolean -* If an attribute data type is selected as Boolean, the user will have two options to select from i.e. ‘True’, ‘False’.
  + *Multiple Selection -* If an attribute data type is selected as Multiple Selection, the user will have option to add or remove possible values for Multiple Selection.
  + *Image File -* If an attribute data type is selected as Image File, user will have option to upload an image file as value.
  + *Text File -* If an attribute data type is selected as Text File, user will have option to upload a text file as value.
  + *Custom File –* If an attribute data type is selected as Custom File, user will have option to upload custom file types as value.
  + *Fixed List of Values –* For attributes of data type Fixed List of Values (FLOV), additionally Fixed List of Values field need to be entered. Enter all the allowed values comma separated. For example, *Yes, No.* For this type of attribute, the field will be a dropdown with the values populated as options. For this example, *Yes* and *No* will be available for selection in the dropdown.
* Check the mandatory check box  if you want the attribute to be mandatory, otherwise not.
* Select “Possible Values for Multiple Selection”. You can either add new values by clicking the “Add” button  or remove values by clicking the “Remove” button .
* Enter a value in the **Default Value** field if you want to auto populate any attribute.
* Save it by clicking on  button.

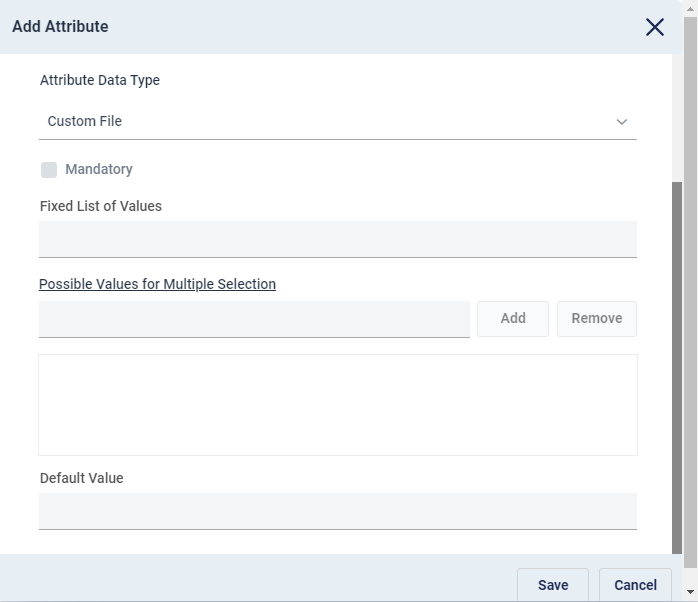


Figure 10 - Add Other Attribute Dialog

# Site

Sites are physical locations of properties leased by TowerCo for building tower infrastructure. From the Site View, users can add, view and manage operations of sites in the system.

* To go to the Site View:
  + Click on ** option in the Menu bar.

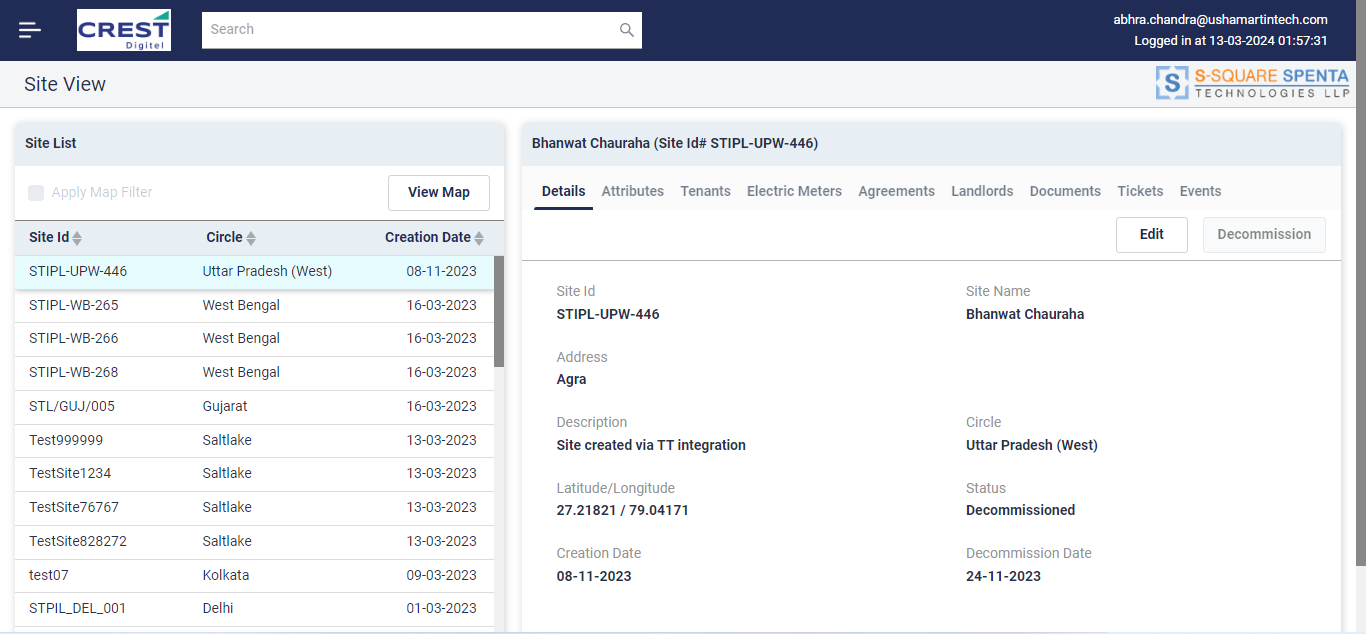


Figure 11 - Site View

## Site View

* There are two sections of the site view user interface.
  + **Site List** – The left section of the interface lists sites in the system.

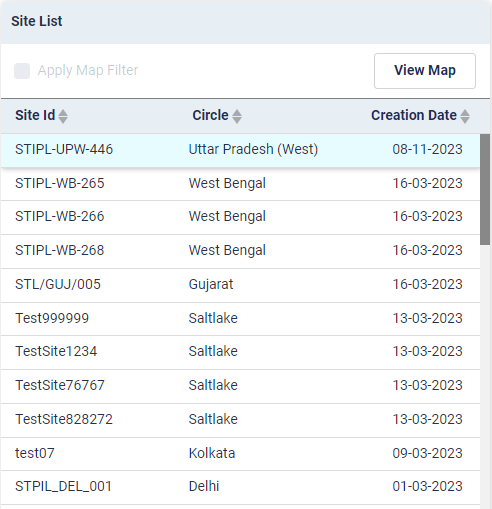


Figure 12 - Site List

* **Site Id, Circle** and **Creation Date** are shown in the list. User may click on one record to select it.
* By default, latest 50 (configurable) sites, based on their RFAI date are retrieved and displayed in the list.
* To sort the site list based on a field, click on the  icon beside that field. Clicking on upper arrow will sort in descending order, whereas clicking on the lower arrow will sort in ascending order.
  + **Site Details** – The right section of the interface shows the details of the selected site in grouping the information logically in tabbed interface.

The top header shows the site name and site id for which the details are being shown.

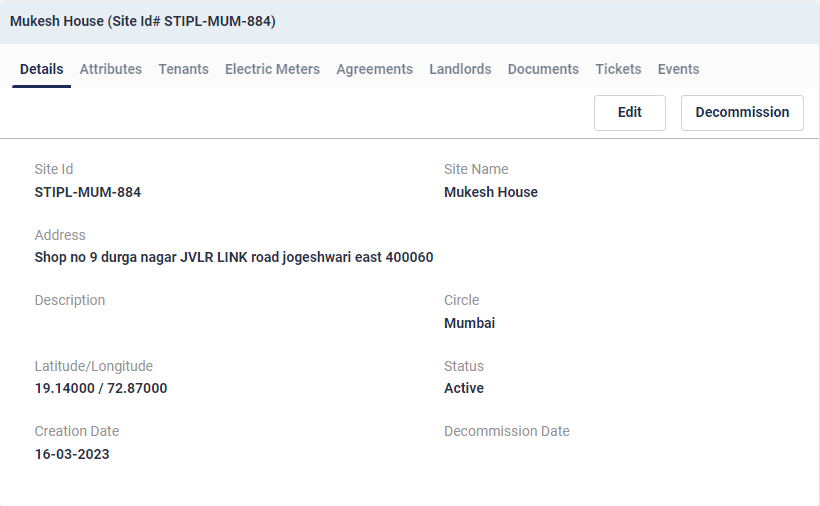
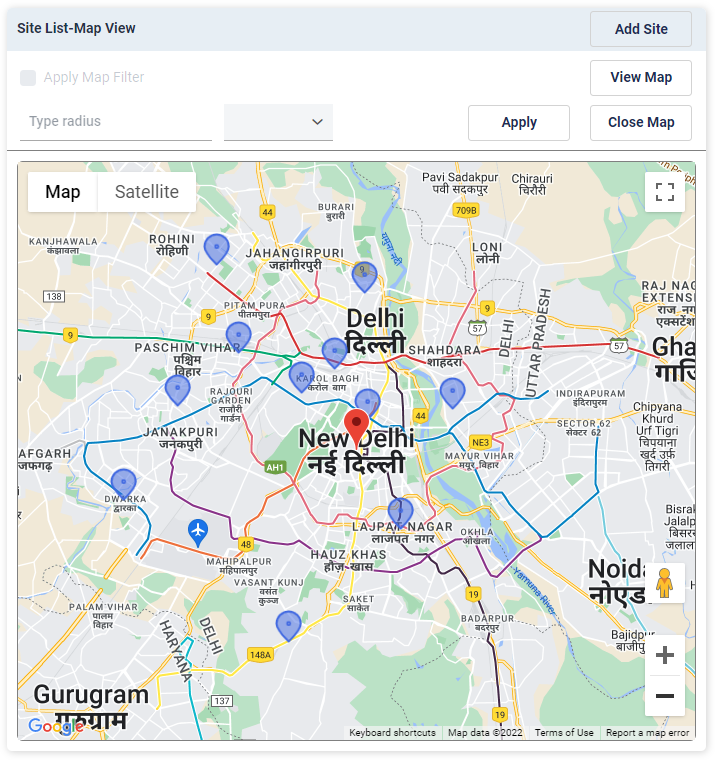


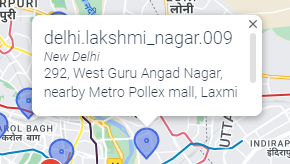
Figure 13 - Site Details

## Map View of Sites

* In the “**Site List”** section of the “**Site View**”, there is a “**View Map**” option. It shows the sites retrieved, plotted on a Google map.



* To open the map view, click on the  button.
* All the sites from the site list will be shown with blue marker 
* The center of the map is shown with a red marker . The center of the map can be dragged around to make another point be center of the map.
* User may click on the blue site markers to view the address on the map. This will also retrieve the details of the Site in the Site Details section on the right.



* Additionally, user may apply map filter to identify sites within a certain radius around the center of the map.
* To apply map filter:
  + Check the check box.
  + Enter desired radius value in Type Radius field .
  + Select the desired unit (meters, kilometers or miles) .
  + Click on the  button to apply the radius filter.
  + It will draw a light blue circle on the map. The red marker being the center. The sites which fall outside the circle are marked with grey markers. 

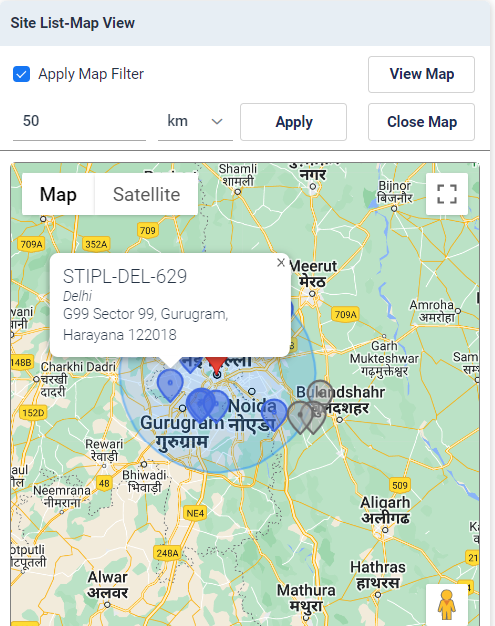


Figure 14 - Map View with Map Filter Applied

* + To exit out of the map view and go to the site list view click on the  button.

## Edit Site Details

To edit a site’s details:

* Select the site from the Site List.
* Go to the **Details** tab in the Site Details view.
* Click on the  button.
* It will open the Edit dialog.
* User may modify Site Name, Address, Coordinates (lat/long) and Region.
* Click on the  button to save.

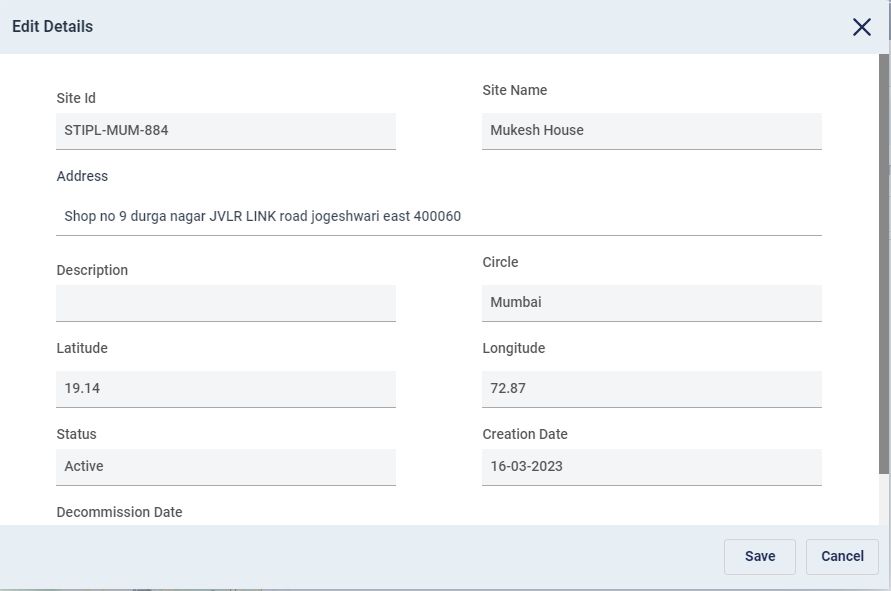
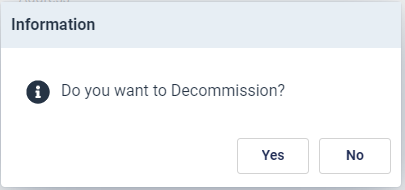


Figure 15: Edit Details for a Site

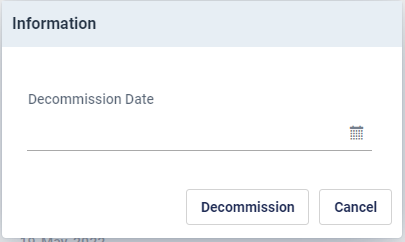
## Decommission Site

Once a site is physically dismantled, it can be marked as decommissioned.

* To mark a site as decommissioned:
  + Select the site from the Site List.
  + Go to the **Details** tab in the Site Details view.
  + Click on the button.
  + A confirmation message box will appear and user needs to confirm the choice.



* + If confirmed, the user needs to enter the decommission date and then click on the  button.



* + Once a site is decommissioned, the Active landlords associated with it are also removed. If any Inactive landlord is present, its ‘Edit’ and ‘Remove’ buttons are disabled and it can only be viewed via the ‘View’ button.
  + Once a site is decommissioned, the following operations cannot be performed on it:
    - Edit Details – A validation message will be shown “Error – Site is decommissioned” and it cannot be edited.
    - Edit Attributes – The edited Attributes cannot be saved.
    - Decommission – The Decommission button will be disabled.
    - Add or Edit Agreement - A validation message will be shown “Error – Site is decommissioned”.
    - Add or Edit Landlords - A validation message will be shown “Error – Site is decommissioned”.
    - Add or Edit Active Assets.
    - Add or Edit Passive Assets.
  + It is advised to remove any active or passive assets from the site before decommissioning it.
  + Documents can be uploaded and Tickets can be raised on decommissioned sites.

## View Site Details

Select one site from the Site list of the Site View to retrieve and view the details of that Site in the site details section on the right. System provides following group of information for each site.

* **Details**
* **Attributes**
* **Tenants**
* **Electric Meters**
* **Agreements**
* **Landlords**
* **Documents**
* **Tickets**
* **Events**

### Details

* To see the details of a site, click on the “**Details**” tab.
* Site Id, Site Name, Address, Description, Circle, Coordinates (Lat/Long), Status, Creation Date, Decommission Date are shown.
* Status can be active, pending or decommissioned.

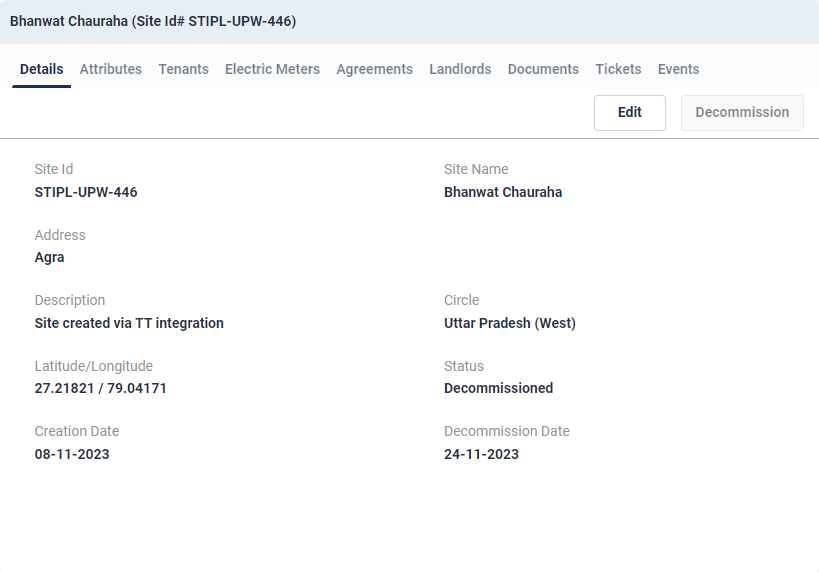


Figure 16 - Site Details

### Attributes

* Site and Properties attributes (as per definition in configuration “Other Attributes”) are shown here.
* The attributes are dynamically populated as defined in the configuration.

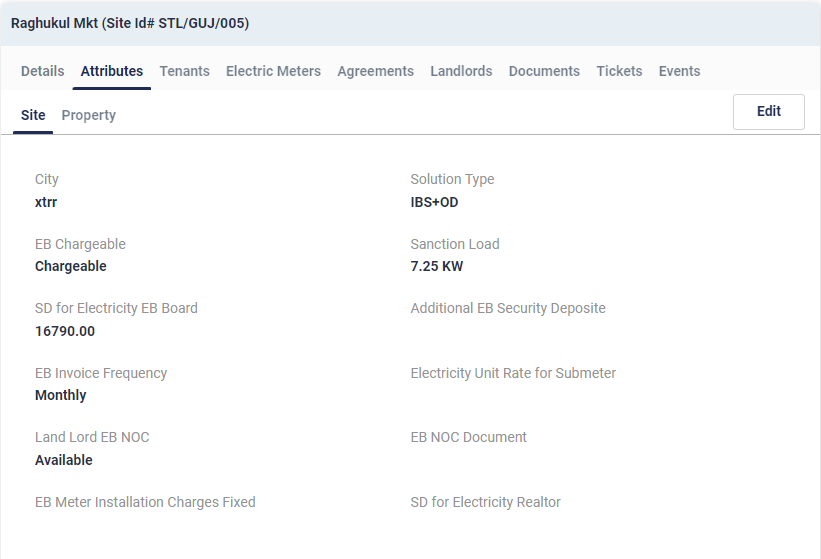


Figure 17 - Site Attributes



Figure 18 - Property Attributes

* To Edit the attributes:
  + Click on the button.
  + This will open the Edit dialog.
  + Enter or modify the attributes as required and then save.

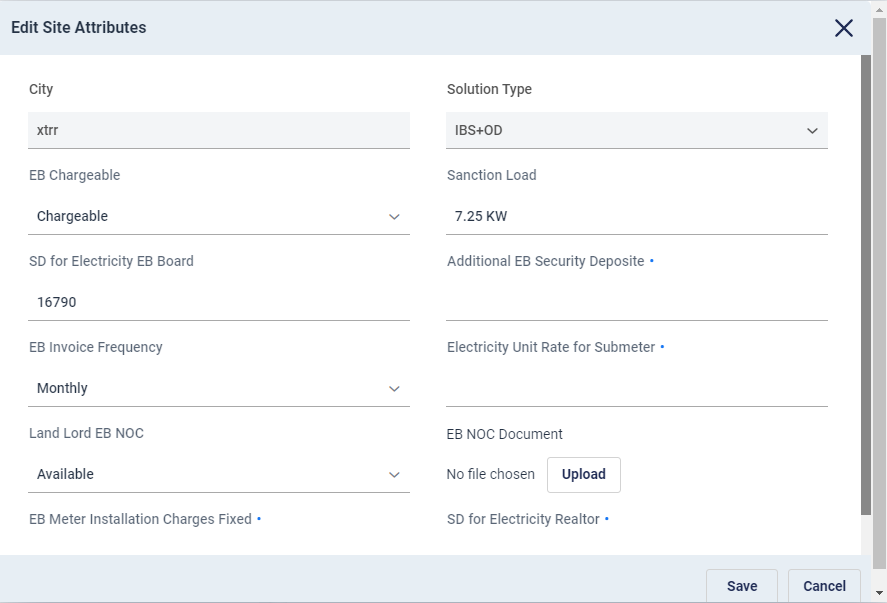


Figure 19 - Edit Site Attributes dialog

### Tenants

* Click on the “Tenants” tab to view all the OpCo tenants of that particular Site.
* Following details for the Tenants are shown:
  + Event Code
  + Opco Name
  + Solution Type
  + Project Reference No.
  + MRFAI Date
  + Status
  + Removal Date
  + Remarks
  + Project Status

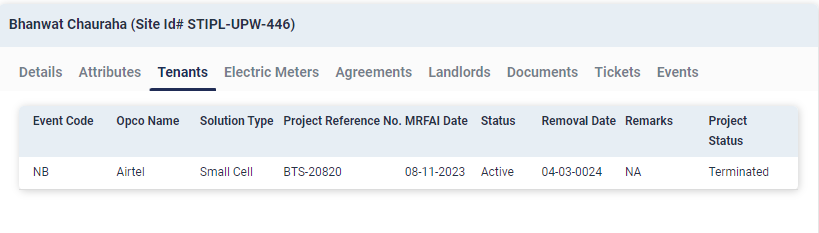


Figure 20 - Site Tenants

* Tenant details are obtained from Tarantula via integration. This information is read only.

### Electric Meters

* Click on the “Electric Meters” tab to view Electric Meters for that particular Site. There can be multiple electric meters in a site.
* Following details for the “Electric Meters” will be shown:
  + Meter ID
  + Consumer No.
  + Meter Category
  + Serial No.
  + SEB Meter Installation Date
  + SEB Meter Authority
  + Status
  + Created By
  + Creation Date
  + Deactivated By (if applicable)
  + Deactivated Date (if applicable)

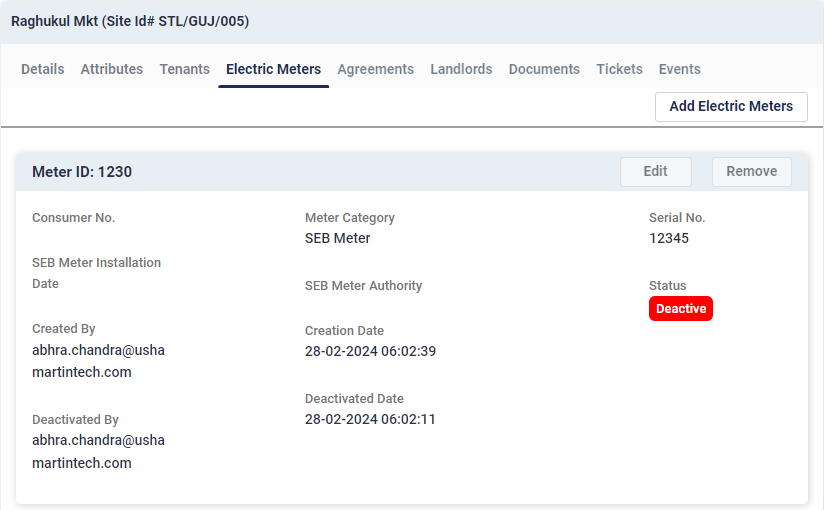


Figure 21 - Site Electric Meters

* New meters can be added to a site by clicking the  button.

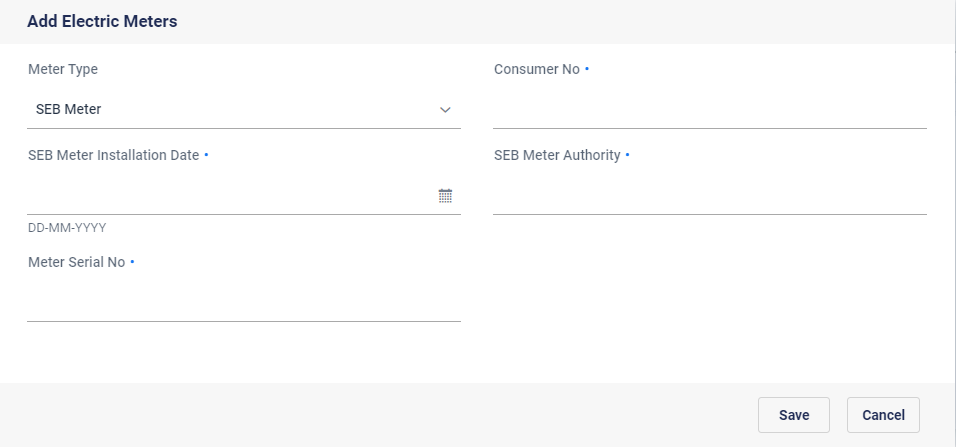


Figure 22 - Add Electric Meters dialog

* User may enter following details and save:
  + Meter Type
  + Consumer No.
  + SEB Meter Installation Date
  + SEB Meter Authority
  + Meter Serial No.
* By clicking the ‘Edit’ button, user can edit the following details of a particular Electric Meter:
  + Meter Type
  + Meter Serial No.

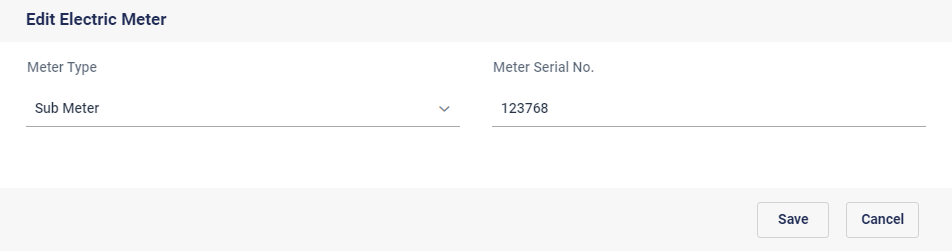


Figure 23 - Edit Electric Meter

* Once updated, user can save the edits by clicking the “Save” button  or can revert back by clicking the “Cancel” button.
* By clicking the “Remove” button  , user can remove the particular Electric Meter after approving via the Confirmation popup.

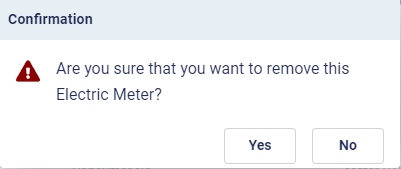


Figure 24 – Confirmation popup

### 6.5.5. Agreements

* Lease or Rent Agreement can be stored at site level for the property. There can be multiple agreements per site for different years. If there are multiple agreements in the site, the dates for the agreements should be exclusive of each other.
* Click “**Agreement**” tab to view all agreements (past and current) in the site.

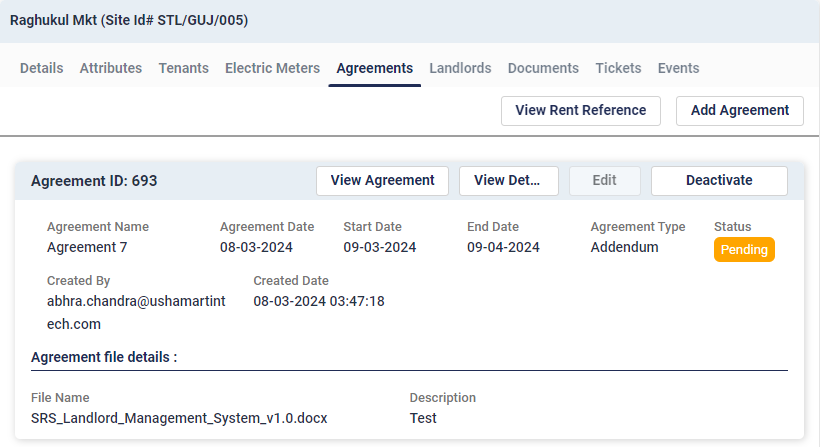


Figure 25 - Site Agreements

* If a document was uploaded during creation of the agreement, then the View Agreement button is enabled, otherwise it remains disabled.
* To view the agreement document, click on the  button. This will download the agreement document.
* To edit an agreement, user needs to click on the Edit button of that agreement.
* This will open the Edit dialog with two tabs named “Basic” and “Details”. User may change the agreement name and upload the document. The current document will replace the existing document.
* Agreements Date, Start Date, End Date, Agreement Type cannot be modified in the Basic tab once created. The other fields in the Details tab can be updated by the user as required.

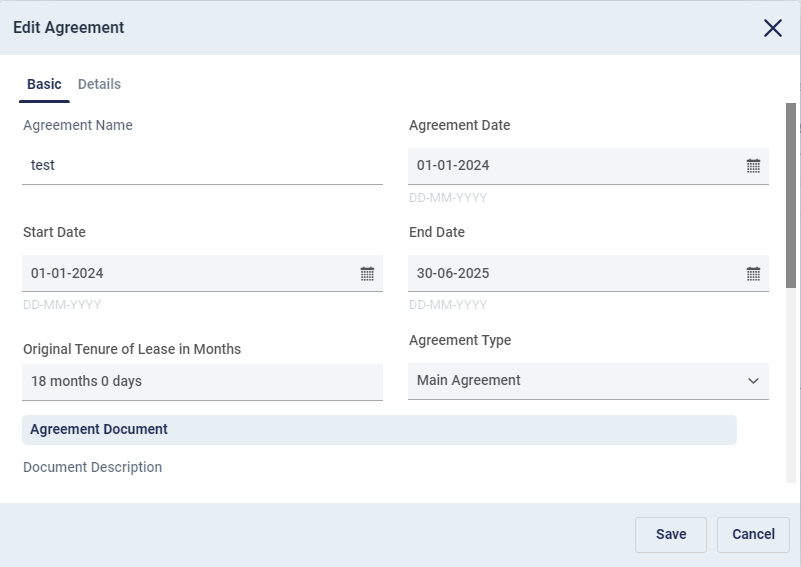


Figure 26 - Edit Agreement Dialog - Basic

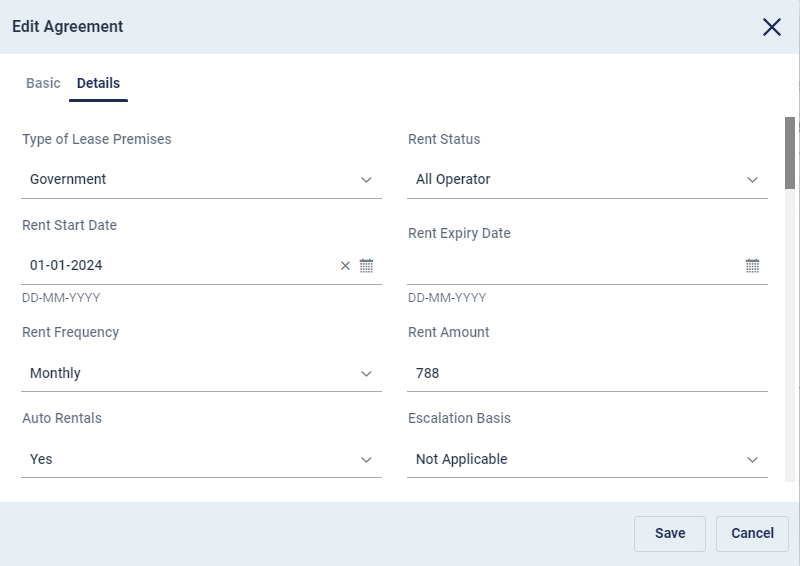


Figure 27 - Edit Agreement Dialog - Details

* To add a new agreement:
  + Click on the button.

This will open the Add Agreement dialog with two tabs named “Basic” and “Details”. The fields of the Basic tab have to be filled before the Details tab, else the user will be redirected to the Basic tab.

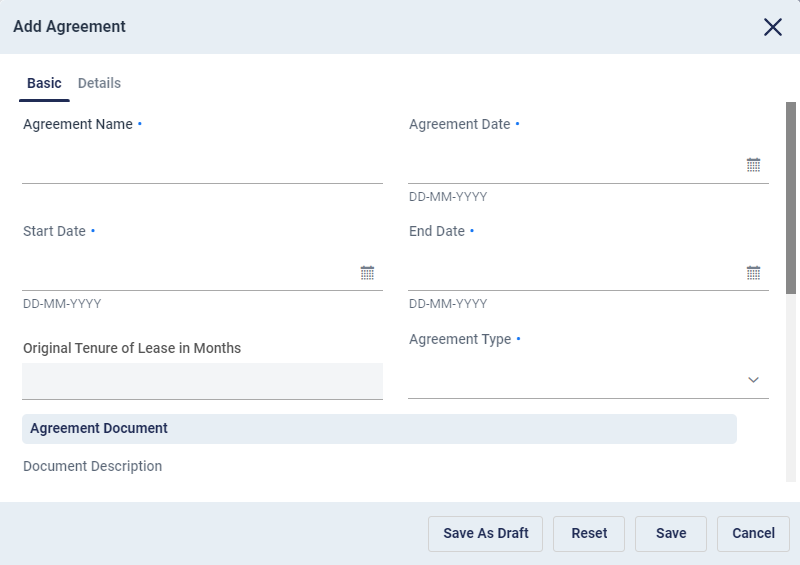


Figure 28 - Add Agreement Dialog-Basic

* + Enter “**Agreement Name**”, “**Agreement Date**”, “**Start Date**”, “**End Date**”,“**Agreement Type**, “**Document Description**” and upload “**Agreement Document**”.
  + Agreement Start and End Date should be exclusive of any already existing agreement on that site.
  + To save, click on button.
  + To save the agreement till wherever filled, click on “Save as Draft” button. 
  + To reset the details, click on ‘Reset’ button. 
  + Once an agreement is created, it remains in Pending state. An approval workflow named “First Document Approval” is automatically launched.
  + Once the workflow is approved by all the approvers, the agreement becomes active.
  + For workflow execution, see [Section 13. My Task](#_My_Task).
  + To view the details of the agreement, click on “View Details” button  and to return, click on ‘Back’  button.
  + To deactivate an agreement, click on ‘Deactivate’ button. 
  + A Confirmation dialog opens from where the user can proceed to deactivate the agreement or close the dialog.

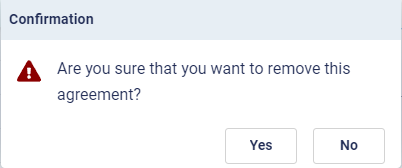


Figure 29 – Confirmation dialog for deactivation

### Landlords

Landlords are the owners of the property on which the sites are built and maintained. Hence landlords are associated with the Sites. There can be multiple landlords for a site.

* Click “**Landlords**” tab to view all landlords associated with the Site.
* For each landlord, **Landlord Name, Email, Contact No, Address, Status, Pay-out Share, Association Date and Deassociation Date** (if applicable) are shown. Both active and inactive landlords are shown.

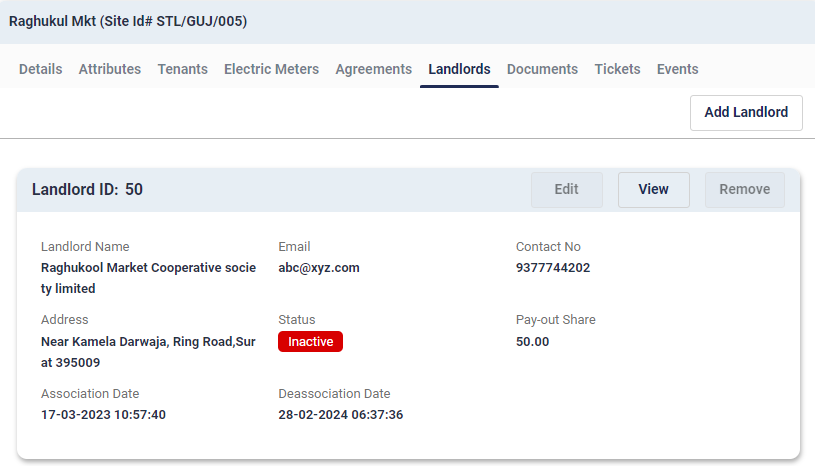


Figure 30 - Landlords at Site

* Users may view the landlord details by clicking  button. This will open the landlord view with the selected landlord retrieved in a new tab.

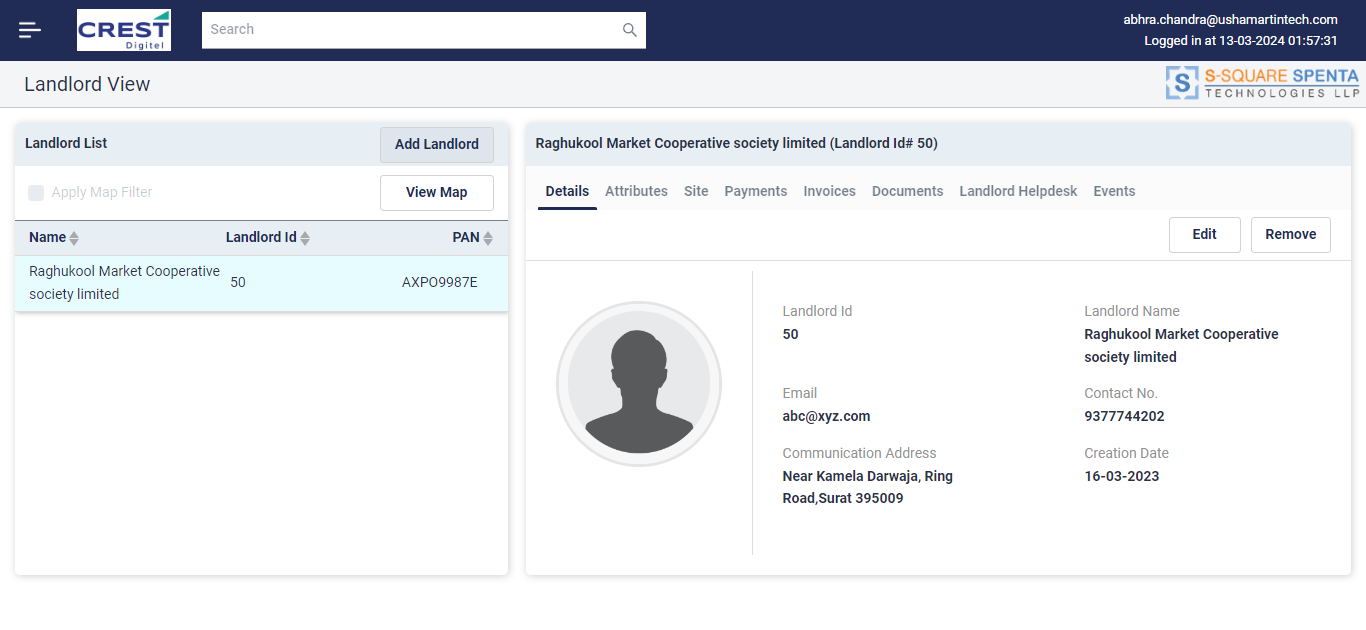


Figure 31 – Landlord View in new tab

* The landlord payout amount can be edited for a particular landlord from the list.
  + Click on  button.
  + This will open the Edit Landlord dialog.

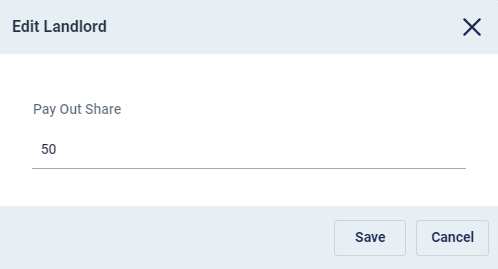
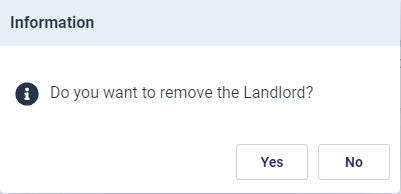


Figure 32 - Edit Landlord Pay Out Share

* + User may modify the payout amount and save.
* To remove a particular landlord from a Site, click on the  button. User needs to confirm the choice. This will remove the landlord from the Site.

****

* To add a landlord to a Site:
* Click on the button.
* This will open the Add landlord dialog.

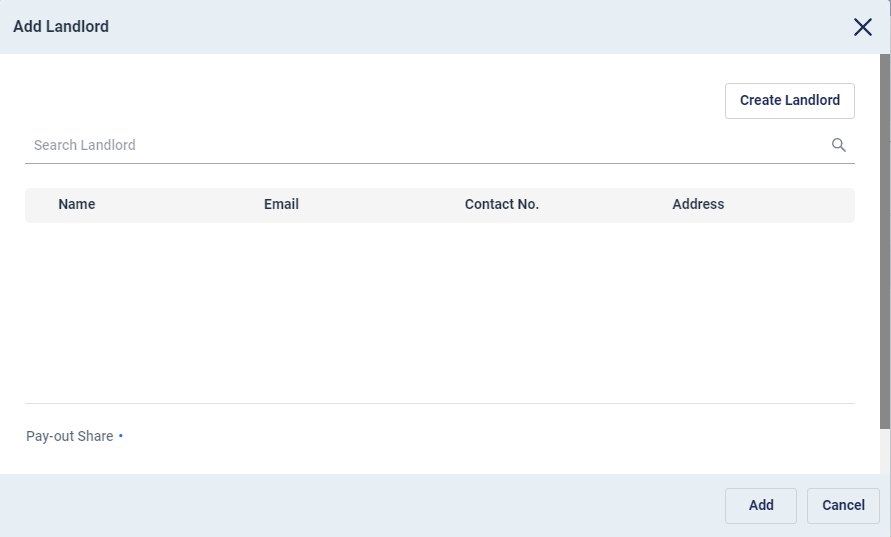


Figure 33 - Add Landlord dialog

* User may search the landlord by name, email id, contact no. or address. User needs to enter the search string in the Search Landlord bar and hit Enter.
* This will retrieve a list of landlords matching with the search criteria**.**
* Entering nothing in the Search bar and hitting Enter will retrieve most recent 50 (at most) landlords’ list.
* Only the active landlords are shown**.**

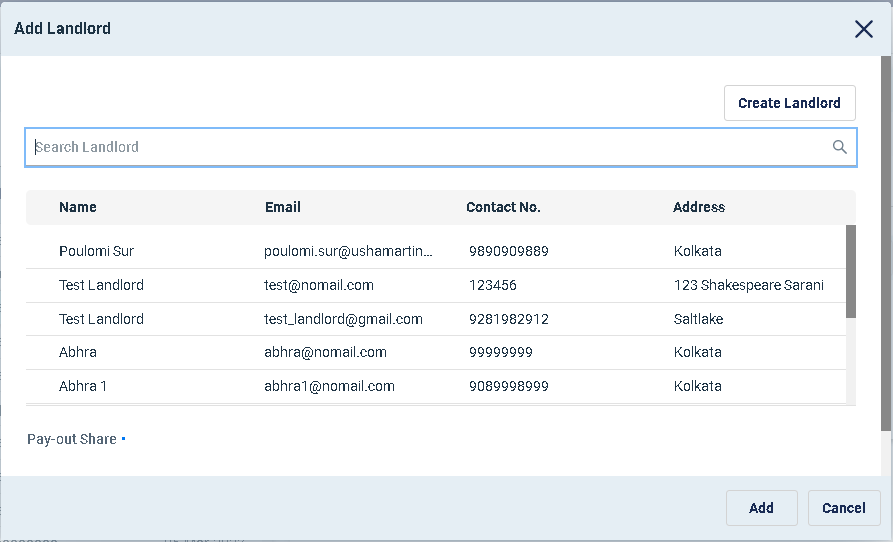


Figure 34 - Add Landlord Dialog with Landlords

* User needs to select one landlord from the list and enter the payout share and click on ‘Add’ to add the landlord.
* Same landlord cannot be added twice in active state in the same site.
* If a landlord was earlier added to a site and then removed, then it can be again added to the same site.
* To add a landlord to the site, the landlord must be created beforehand or you can create a landlord by clicking the “Create landlord” button  in the “Add Landlord” dialog. It will open up the Add Landlord section of the Landlord view. (Please refer to the Landlord View -> Add Landlord section of the document.)

### Documents

The application provides an option to upload, view and download documents at site level. Documents can be any document related to the site, for example, site engineering drawing or electrical layout or site maintenance plan, etc. There is no restriction on number of documents being added to the site.

* To view and manage the site documents:
* Click “**Document**” tab to view all the documents in list view.
* For each document, “**Document Type**”, “**Name**” and “**Description**” are shown.
* To view a content of the document, click on the icon beside the document. This will open the document content in a new tab.
* To remove a document, click on the  icon. User needs to confirm the choice of deletion. This will physically delete the document from the application storage.

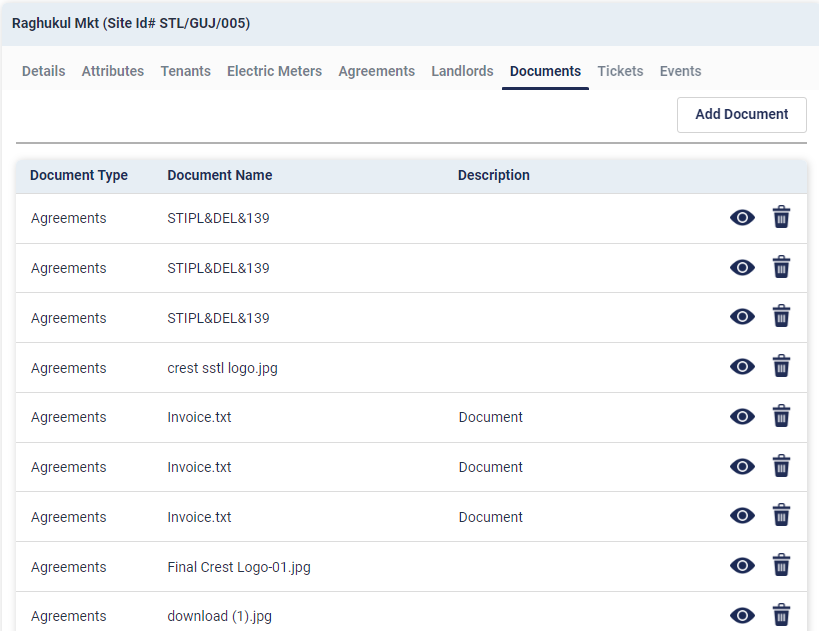


Figure 35 - Site Documents

* To add documents, click on button.
* This will open the Add Document dialog.

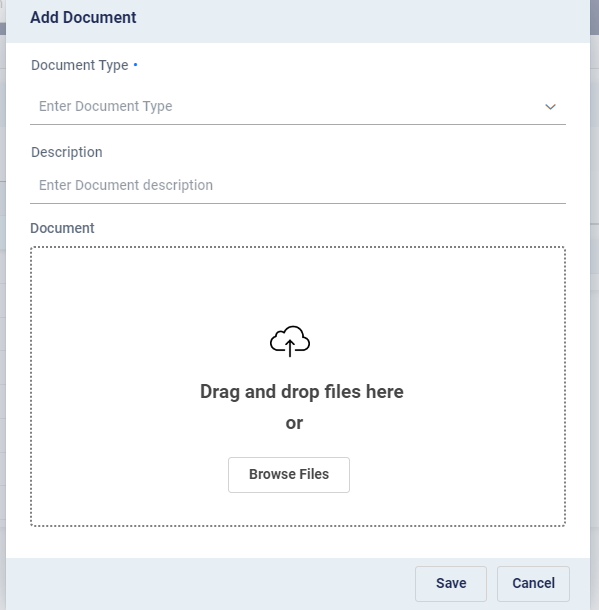


Figure 36 - Add Document dialog

* Select “**Document Type**” from the dropdown menu. The options are:
  + *Plan –* Technical plan documents related to site, i.e., Structural Load Plan, Engineering Drawing Plan and Electrical Layout Plan, etc.
  + *Address –* Proof of address kind of documents.
  + *Image –* Images of the entity or things related to the entity.
  + *Agreements –* Agreements type of documents. Lease or Rent or Service agreements.
  + *Others –* Any other document category.
* Enter a short description about the document.
* Click on the browse files to open the File dialog to choose the file from local system or drag and drop the file in the designated area.
* And upload the respective document.
* Click on the Save button to upload the documents.

Note: *During site level agreement creation, the agreement document uploaded is also shown under the site documents. It refers to the same copy of the document. Deleting that document from here will remove the document from the Agreements too.*

### Tickets

Trouble Tickets can be raised as part of corrective or preventive maintenance activities of sites. It is called reporting an incident. The application allows to raise and view and track incidents.

* To view and manage the incidents, click on “**Tickets**” tab.
* It shows the list of open or closed tickets or incidents raised against this site.
* Following fields of the incident are shown in the list view:
  + **Docket#** - Identifier for the incident or ticket.
  + **Category** – Category of the ticket.
  + **Subject** – Subject matter of the incident.
  + **Initiated On** – Date and time of initiation of the ticket.
  + **Initiated By –** Name of the initiator of the incident.
  + **ETA** – Expected completion time of the ticket, including date and time.
  + **Status** – Status of the incident, including Open, Closed and Cancelled.

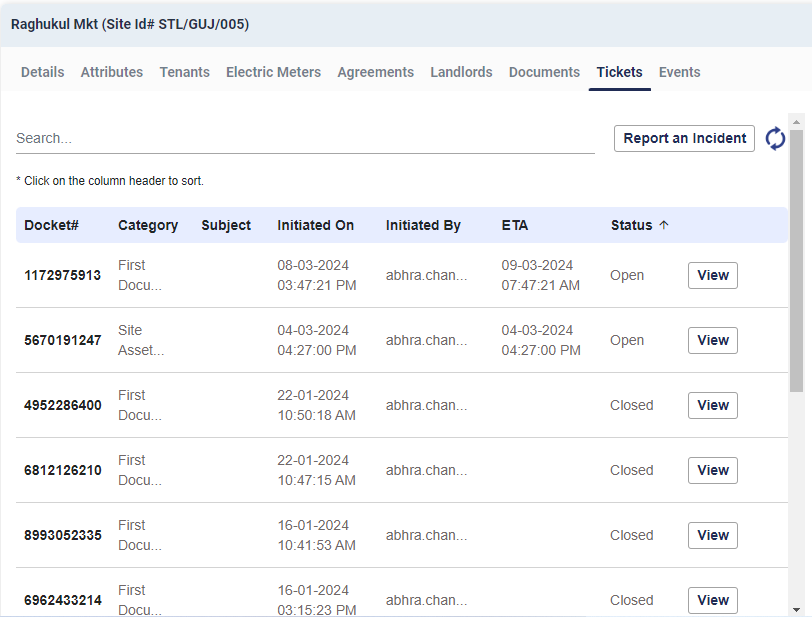


Figure 37 - Site Tickets or Incidents

* To filter the incident list:
  + Enter any text in the Search bar. System will match the entered text with all the fields of the tickets list and filter out the matching ones.
* To refresh the incident list, user may click on the  icon.
* To view details of a ticket, click on  button beside that ticket or incident.
* It will open the ticket / incident details dialog.

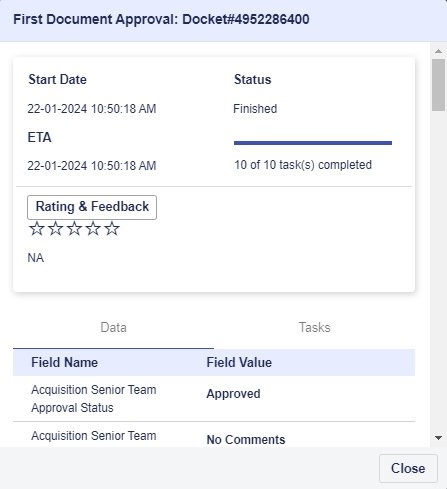


Figure 38 - Ticket details dialog

* It shows the following information:
  + Category and Docket# – Name and id of the ticket.
  + Start Date – Date on which the ticket was raised.
  + Status – State of the ticket, either Open or Finished.
  + ETA – Expected completion time of the ticket, including date and time.
  + Progress bar – Shows number of tasks completed out of total number of tasks in the ticket.
  + Rating & Feedback – User’s rating and feedback regarding the ticket.
  + In the lower section, there are two tabs, named Data and Tasks.
  + In the Data tab, data of the instance is shown, which was supplied during ticket creation or task execution. The data fields are dynamic and change from ticket type to ticket type as per template configuration.
    - In the Tasks tab, the task details of the ticket are shown with the following details:
    - Task Name.
    - Task Type – Either Manual or Automatic.
    - Task State:
      * To Start – Task is assigned but the engineer or technician or user has not accepted it yet.
      * Started – Task is accepted by the engineer or technician or user.
      * Finished – Task is closed by the engineer or technician or user.
      * Assigned To - The engineer or technician or user to whom the task is assigned.
      * Assigned On – The date and time on which the task was assigned.



Figure 39 - View of Tasks in a ticket

Note: *This view of the ticket is read only, as in it cannot be modified by the user. As and when the tasks are worked upon by the engineer or technician or user, the view of the ticket gets changed accordingly.*

* There is an option to provide rating and feedback on the closed tickets.
  + Click on the button.
  + This will open the Rating & Feedback window.

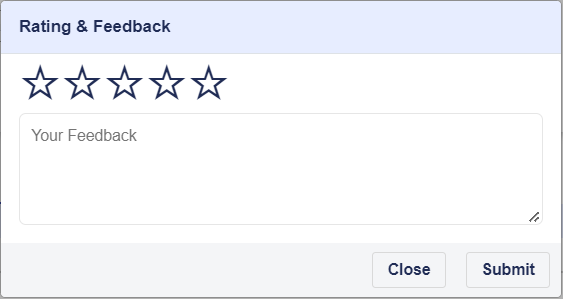


Figure 40 - Ticket Rating & Review Dialog

* + Click on the stars to provide rating.
  + Enter feedback.
  + Click on  button to save the rating and review.
  + This will show the rating and feedback on ticket details page.

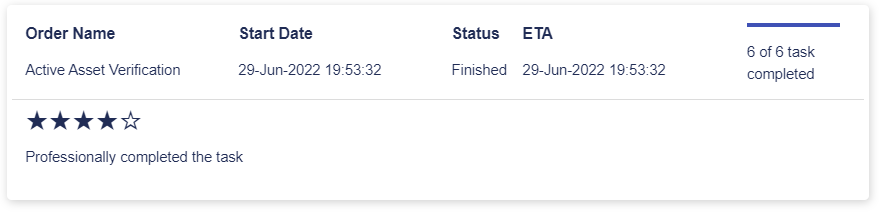


Figure 41 - Ticket Rating & Review

Note: *Rating & review can be provided only on closed ticket and only once. If rating and review are already given for a closed ticket it cannot be given again.*

* To report a new Incident or raise a new ticket –
  + Click on thebutton.
  + This will open the Report an Incident dialog.
  + Select the Incident Type to raise from the dropdown.
  + The list can be filtered by typing the search text in the Search bar.
  + Based on the selected incident type, launch parameters are loaded dynamically.
  + Enter values in the launch parameters as appropriate.
  + Some of the launch parameters may have value already populated and disabled. Ignore them.
  + Click on the Save button to create the incident.



Figure 42 - Report an Incident dialog

* + Once the incident is successfully created, a message appears with the docket number.

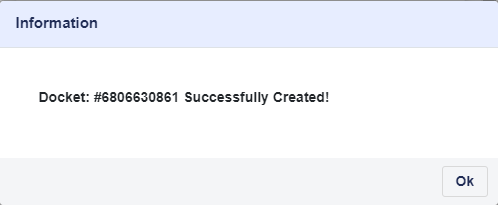


Figure 43 – Incident Creation Message

* + The docket also appears in the ticket list with Open status.
  + System allows raising same types of ticket multiple times for the same site.

### Events

* The Event details of a site can be tracked from the ‘Events’ tab.
* Click on the ‘Event’ tab.
* Two panels will be loaded. On the left side, the list of Events of that particular site will be shown and include the columns Sl. No., Event Id and Event Time.



Figure 44 – List of Events

* Click on an event. The Event Details will be loaded in the right-side panel.
* It will include the Engine, Event Id, Event Time, User Name and Event Data.

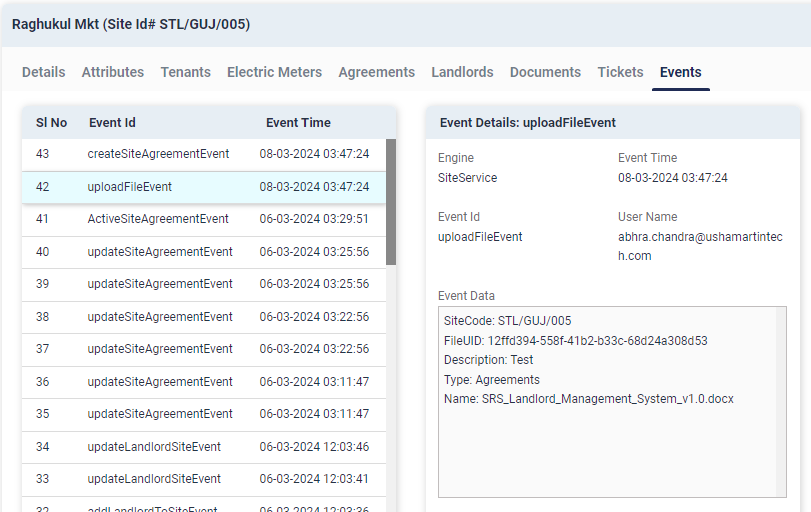


Figure 45 – Event Details

# Landlord

Landlords are owners of the physical property locations leased by the TowerCos. TowerCos have agreements with landlords for their property usage.

* To go to the Landlord View:
  + Click on  menu in the side Menu bar.

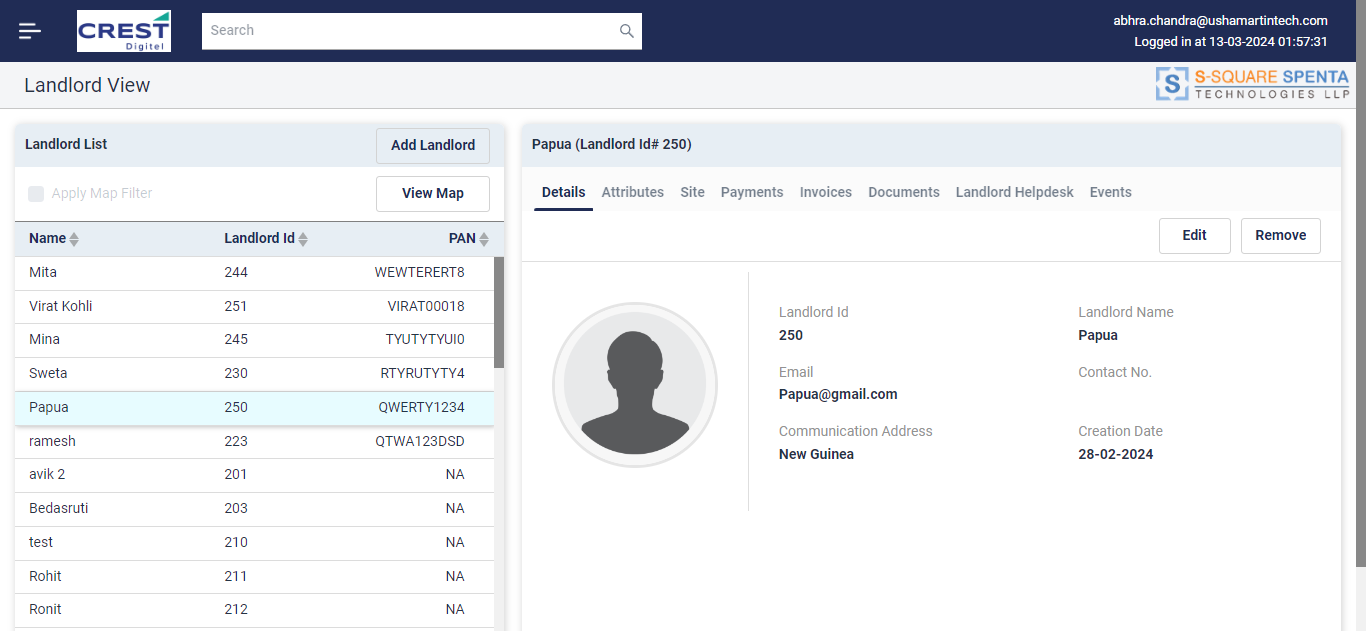


Figure 46 - Landlord View

## Landlord View

* There are two sections of the Landlord View user interface.
  + **Landlord List** – The left section of the interface lists landlords in the system.

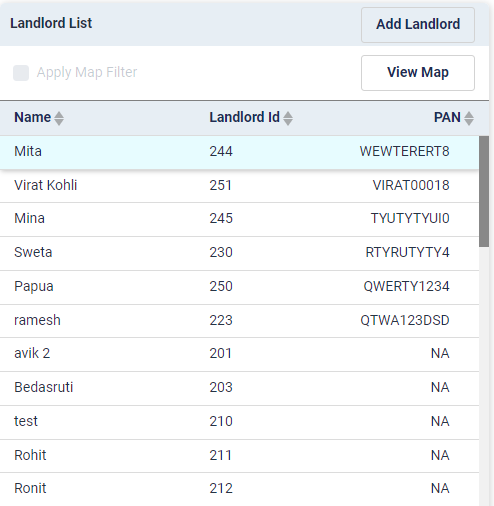


Figure 47 - Asset List

* + **Name, Landlord Id** and **PAN** are shown in the list. User may click on one record to select it.
  + By default, latest 50 (configurable) landlords, based on their creation date, are retrieved and displayed in the list.
  + To sort the landlord list based on a field, click on the  icon beside that field. Clicking on upper arrow will sort in descending order, whereas clicking on the lower arrow will sort in ascending order.
  + **Landlord Details** – The right section of the interface shows the details of the selected landlord in grouping the information logically in tabbed interface.
  + The top header shows the Landlord unique Id, Landlord Name, Email, Contact No., Communication Address and Creation Date for which the details are shown.

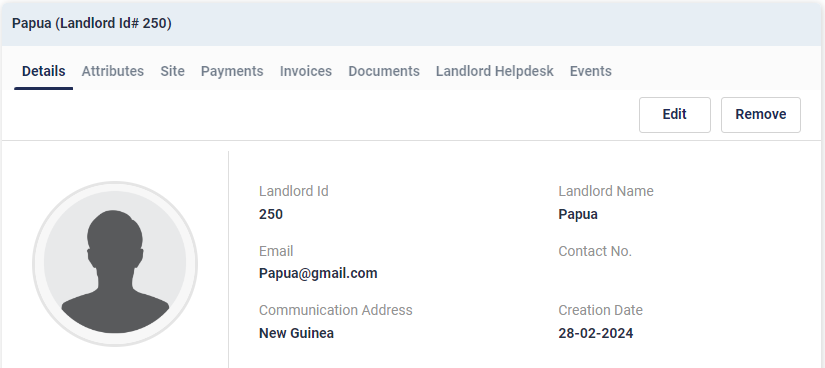


Figure 48 - Landlord Details

## Map View of Landlords

* In the “**Landlord List”** section of the “**Landlord View**”, there is a “**View Map**” option. It shows the landlords retrieved, plotted on a Google map, based on the coordinates of the sites they are associated with.

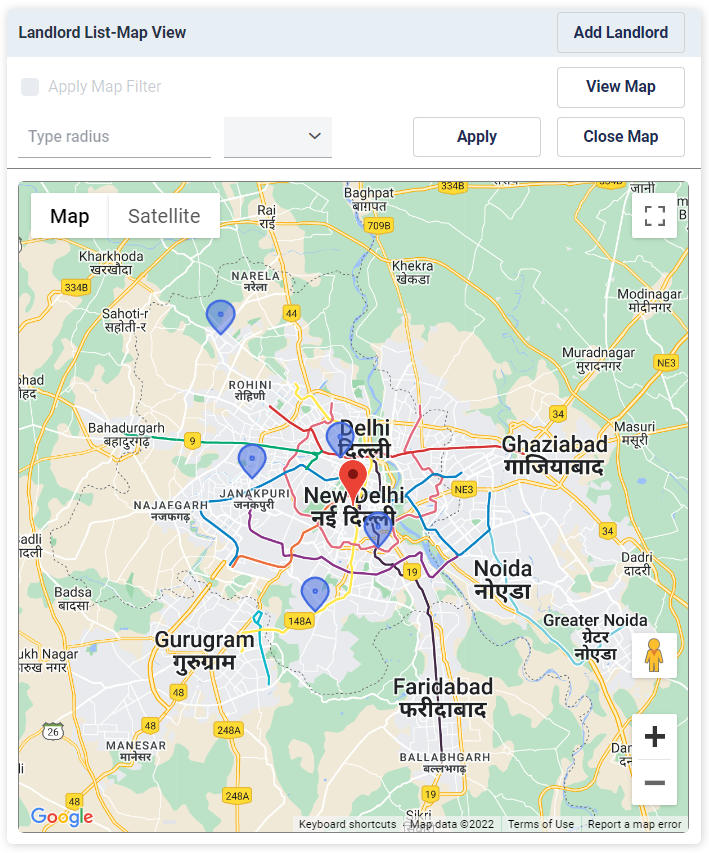
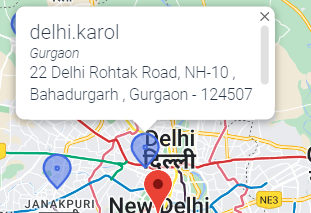


Figure 49 - Landlord Map View

* To open the map view, click on the  button.
* Landlords will be shown with blue marker . Landlords who are only associated with sites are shown on the map. Landlords who are not associated with any site are not shown on the map.
* The center of the map is shown with a red marker. The center of the map can be dragged around to make another point to be the center of the map.
* User may click on the blue asset markers to view the landlords. This will also retrieve the details of the Landlord in the Landlord Details section on the right.



* Additionally, user may apply map filter to identify assets within a certain radius around the center of the map.
* To apply map filter –
  + Check the check box.
  + Enter desired radius value in Type Radius field.
  + Select the desired unit (meters, kilo meters and miles) .
  + Click on the  button to apply the radius filter.
  + It will draw a light blue circle on the map, the red marker being the center. The assets which fall outside the circle are marked with grey markers. 

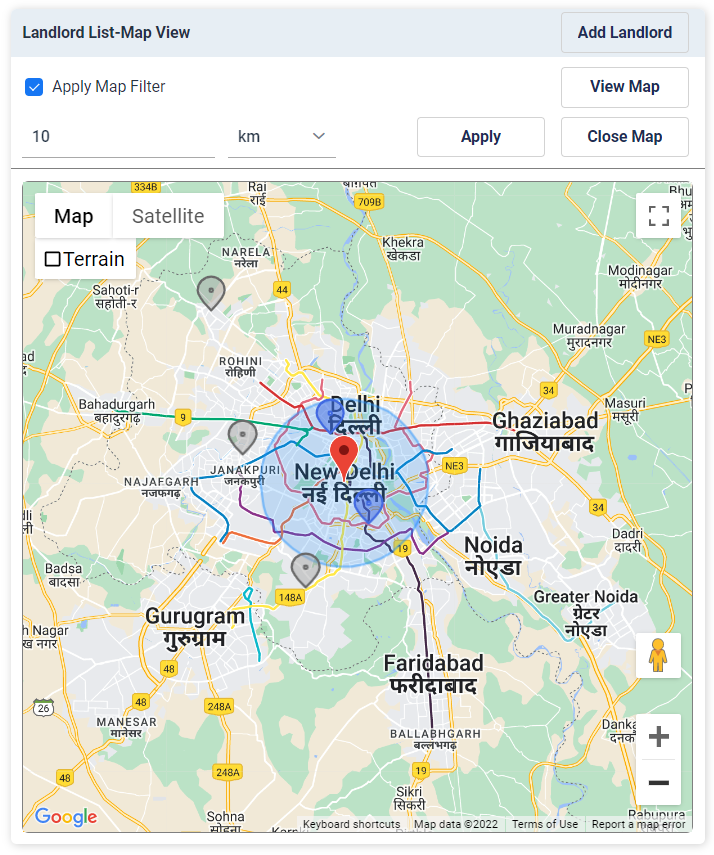


Figure 50 - Map View with Map Filter Applied

* + To exit out of the map view and go to the Landlord List view, click on the  button.

## Add a New Landlord

* To add a new Landlord:
  + Click on **** button from the Landlord List of the Landlord View.
  + This will open the Add Landlord dialog.

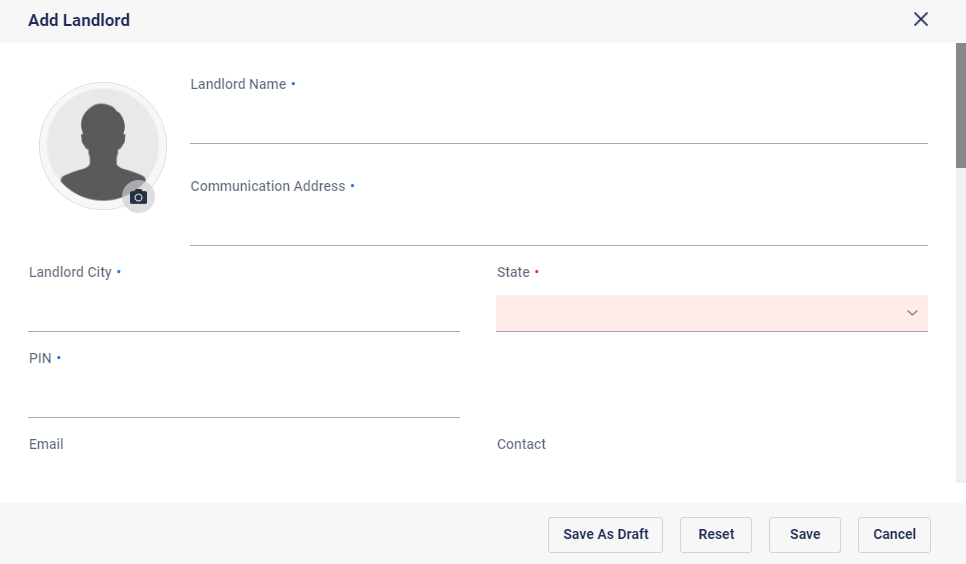
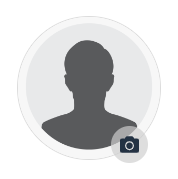


Figure 51 - Add Landlord dialog

* + Enter the details as applicable, including the mandatory fields of Landlord Name, Communication Address, Landlord City, State and Pin. Either Email or Contact no. is mandatory.
  + To upload a file for a relevant field, click on the “Upload” button .
  + To upload an image of the landlord, click on the icon.
    - This will open the photo upload dialog.
    - Click on button to open the File Open dialog and select the image file.
    - Otherwise drag and drop the image file.
    - Click on the Save button.

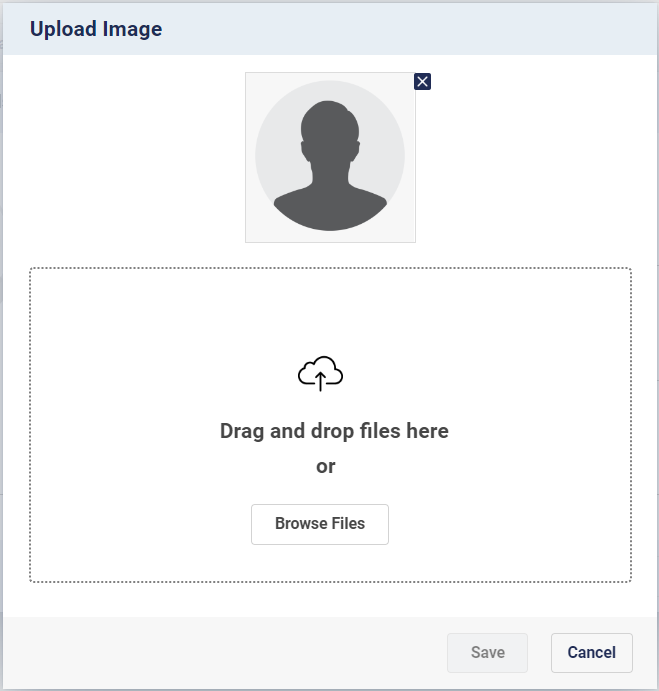


Figure 52 - Landlord Photo Upload dialog

* Based on the configuration, additional attributes will be dynamically populated in the screen. Enter appropriate values for Landlord level attributes.
* Click on Save button to create the new landlord with the provided details.
* Once the landlord is created successfully, the same is retrieved and shown in the Landlord List.

Note: *When a new landlord is created successfully, credentials for Landlord Self Service portal are generated and sent via an email to the landlord email id.*

## Edit Landlord Details

To edit a landlord’s details:

* Select the landlord from the Landlord List.
* Go to the **Details** tab in the Landlord Details view.
* Click on the  button.
* It will open the Edit Landlord Details dialog.

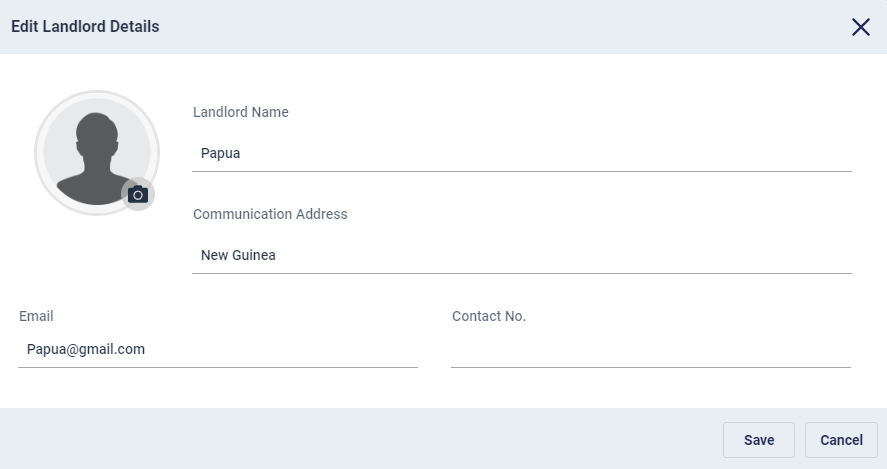
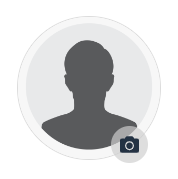
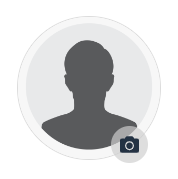
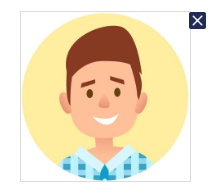


Figure 53 - Edit Landlord Details

* User may modify Landlord Name, Communication Address, Email and Contact No.
* To change the image of the landlord, click on the icon.
  + - This will open the photo upload dialog.
    - Click on button to open the File Open dialog and select the image file.
    - Otherwise drag and drop the image file.
    - Click on Save button in the photo upload dialog to close it.
* To remove the image of the landlord, click on the icon.
  + - This will open the photo upload dialog.
    - Click on the  on the top right corner of the current photo. That will remove the photo.
    - Click on Save in the photo upload dialog to close it.
* Click on the  button to save the changes for the landlord.

## Remove a Landlord

To remove a landlord from the Landlord Management System:

* Select the landlord from the Landlord List.
* Go to the **Details** tab in the Landlord Details view.
* Click on the button.
* System will ask for confirmation.
* Once confirmed, the landlord will be removed from the system. The Landlord Self Service credentials will also be removed for the landlord. Hence, the landlord will not be able to access Landlord Self Service portal.

Note: *If a landlord is associated with a Site, then that landlord cannot be removed. In that case, the landlord first needs to be removed from site (Refer* [*here*](#_Landlords)*) and then removed from the Landlord Management System.*

## View Landlord Details

Select one landlord from the Landlord list of the Landlord View to retrieve and view the details of that Landlord in the landlord details section on the right. System provides following group of information for each landlord.

* **Details**
* **Attributes**
* **Site**
* **Payments**
* **Invoices**
* **Documents**
* **Landlord Helpdesk**
* **Events**

### Details

* To see the details of a landlord, click on the “**Details**” tab.
* **Landlord Id** (Unique Number), **Landlord Name**, **Email**, **Contact No.**, **Communication Address** and **Creation Date** are shown.

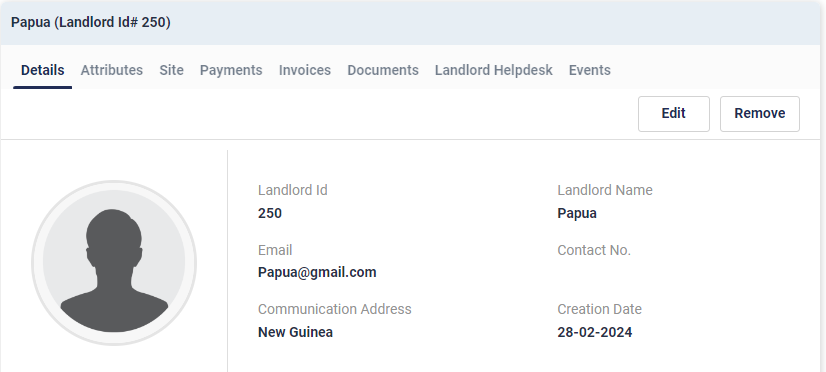


Figure 54 - Landlord Details

### Attributes

* Landlord attributes (as per definition in Configuration “Other Attributes” with Attribute Type “Landlord”) are shown here.
* The attributes are dynamically populated as defined in the Configuration.

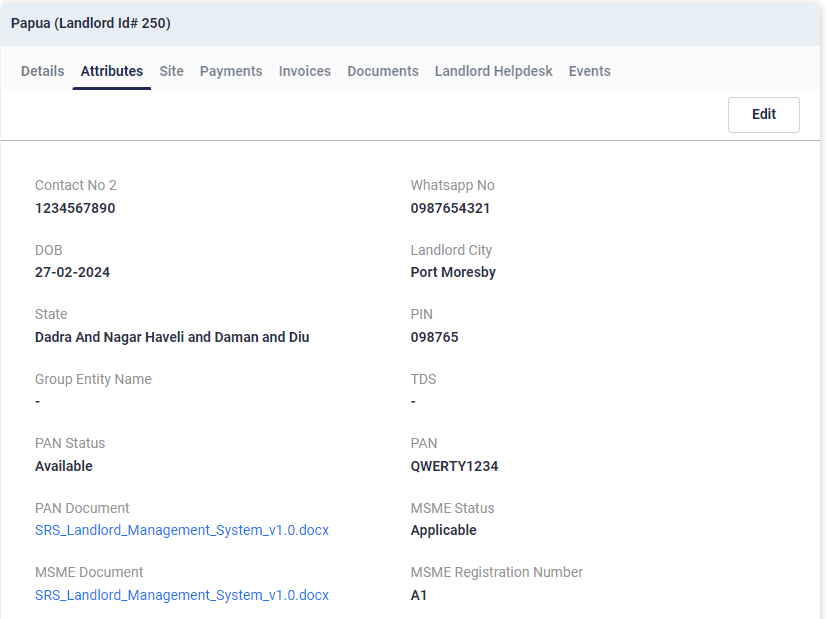


Figure 55 - Landlord Attributes

* To Edit the attributes:
  + Click on the button.
  + This will open the Edit Landlord Attributes dialog.
  + Enter or modify the attributes as required and then save.

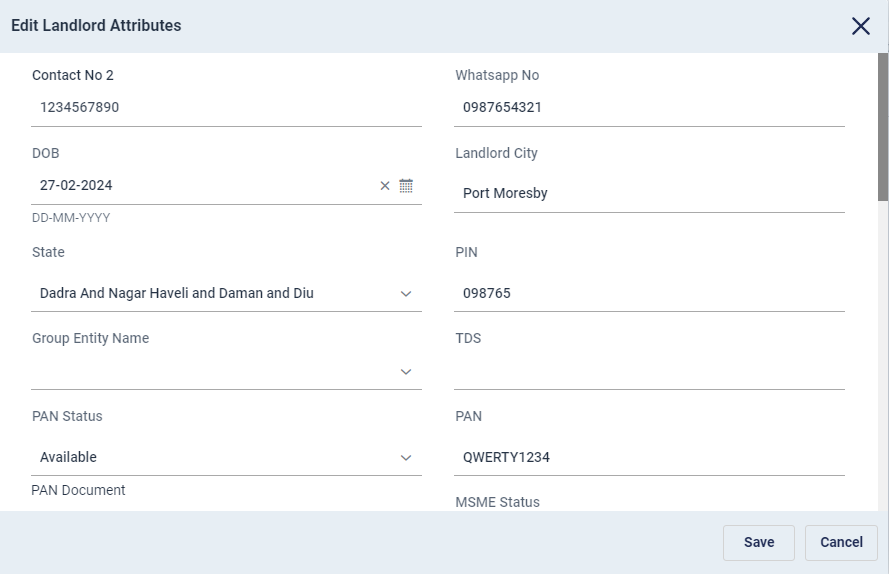


Figure 56 - Edit Landlord Attributes dialog

### Site

The sites associated with the landlord are shown here. There can be multiple sites for a landlord.

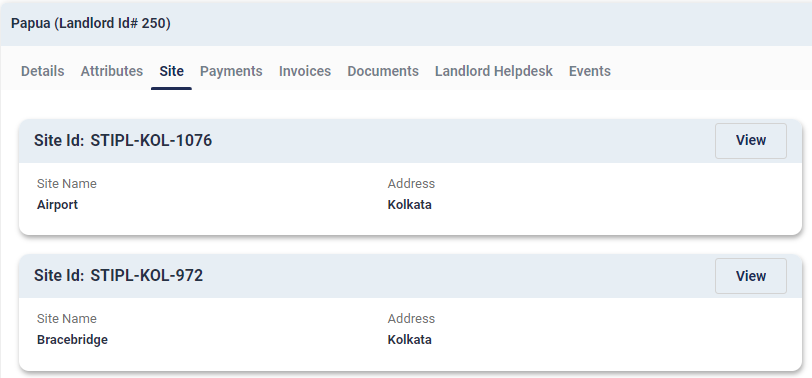


Figure 57 - Landlord Sites

*Site Id*, *Site Name* and *Address* are shown as quick information.

* To view the details of the site, click on the  button. That will open the site details in Site View in a new tab.

### Payments

* Click “**Payments**” tab to view all the payments made to the landlord for different sites.
* Payments are site specific.

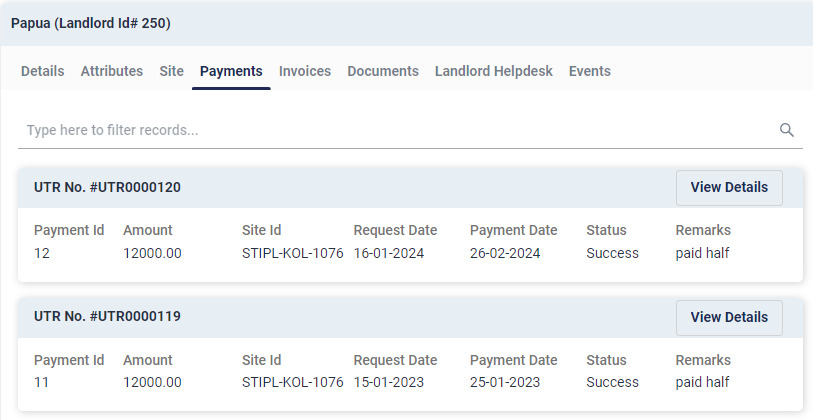


Figure 58 - Landlord Payments

* Header section of the payment shows the Transaction Id (UTR No.).
* Payment Id (System Generated Unique Identifier), Amount, Site Id, Request Date, Payment Date, Status, Remarks are shown.
* To view detailed breakup of the payment, user needs to click on the  button.



Figure 59 - Payment Details

* If no breakup details are available, the  button may not be available or disabled.

### Invoices

* Click the “Invoices” tab to view the invoices associated with the particular Landlord.
* The invoices are shown in a tabular format. Key details of the invoices for the landlord are shown.

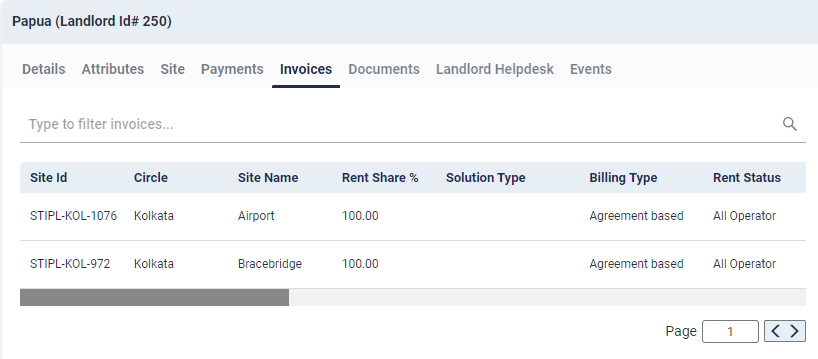


Figure 60 - Landlord Invoices

* To filter the invoice records, type relevant search text in the “Type to filter invoices” area and hit Enter.

### Documents

The application provides an option to upload, view and download documents at landlord level. Documents can include any document related to the landlord, for example, identity card or address proof or agreements, etc. There is no restriction on number of documents being added to the landlord.

* To view and manage the landlord documents:
* Click “**Document**” tab to view all the documents in Landlord List view.
* For each document, “**Document Type**”, “**Document Name**” and “**Description**” are shown.
* To view the content of the document, click on the icon beside the document. This will open the document content in a new tab.
* To remove a document, click on the  icon. User needs to confirm the choice of deletion. This will physically delete the document from the application storage.

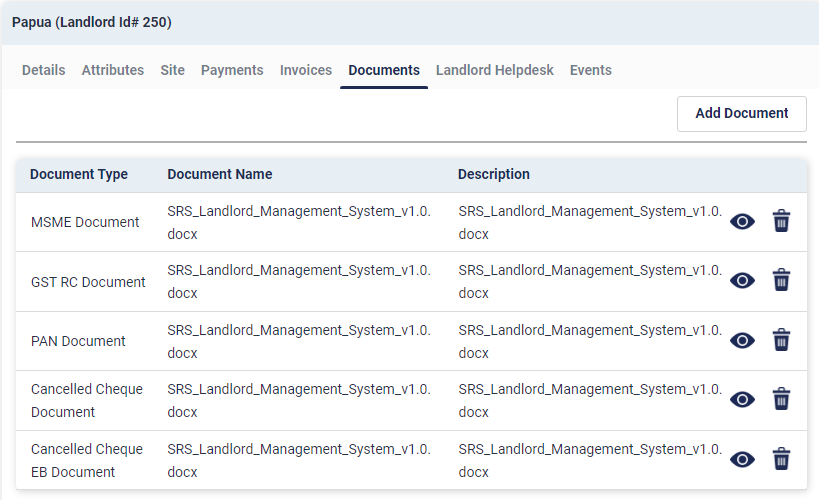


Figure 9 - Landlord Documents

* To add documents, click on  button.
* This will open the Add Document dialog.

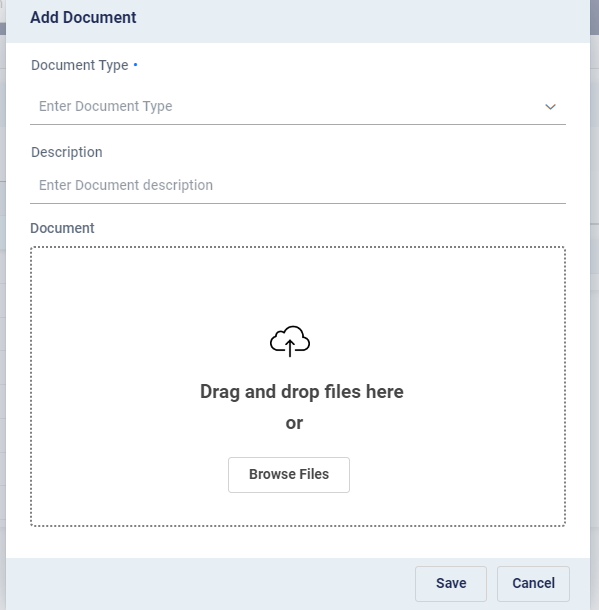


Figure 100 - Add Document dialog

* Select “**Document Type**” from the dropdown menu. The options are:
  + *Identification –* For human identification documents like ID card scanned copy or any Govt. issued ID.
  + *Address –* Proof of address kind of documents.
  + *Image –* Images of the entity or of things related to the entity.
  + *Agreements –* Agreements type of documents, inclusive of Lease or Rent or Service agreements.
  + *Others –* Any other document category.
* Enter a short description about the document.
* Click on the browse files to open the File dialog to choose the file from local system or drag and drop the file in the designated area.
* Click on the Save button to upload the documents.

### Landlord Helpdesk

Trouble Tickets can be raised to resolve issues or problems faced by the landlord. It is called reporting an incident. The application allows to raise and view and track incidents for landlords.

* To view and manage the incidents, click on “**Landlord Helpdesk**” tab.
* It shows the list of open or closed tickets or incidents raised against the particular landlord.
* Following fields of the incident are shown in the list view:
  + **Docket#** - Identifier for the incident or ticket.
  + **Category** – Category of the ticket.
  + **Subject** – Subject matter of the incident.
  + **Initiated On** – Date and time of initiation of the ticket.
  + **Initiated By –** Name of the initiator of the incident.
  + **ETA** – Expected completion time of the ticket, including date and time.

**Status** – Status of the incident, including Open, Closed and Cancelled. 

Figure 101 - Landlord Helpdesk or Incidents

* To filter the incident list:
  + Enter any text in the search bar. System will match the entered text with all the fields Incident list and filter out the matching ones.
* To refresh the incident list, user may click on the  icon.
* To view details of an incident, click on  button beside that ticket or incident.
* It will open the Incident Details dialog.

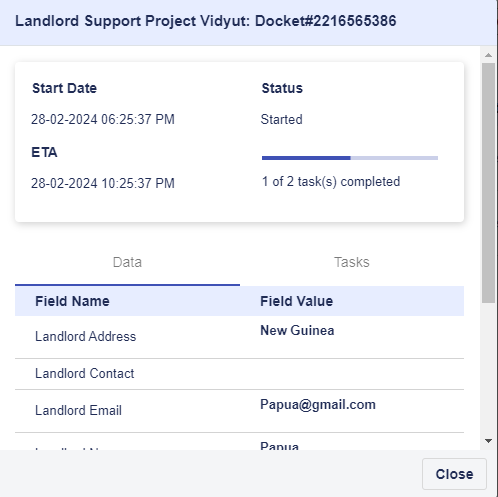


Figure 102 - Incident Details dialog

* It shows the following information:
  + Order Name – Name and Docket# of the incident.
  + Start Date – Date and time at which the incident was raised.
  + Status – State of the ticket, Open, Started or Finished.
  + ETA – Expected completion date and time.
  + Progress bar – Shows number of tasks completed out of total number of tasks in the ticket.
  + In the lower section the data of the instance is shown which was supplied during incident creation or task execution. The data fields are dynamic and change from incident type to incident type as per template configuration.
  + It also shows the task details of the incident with following details:
    - Task Name.
    - Task Type – Either Manual or Automatic.
    - Task State
      * To Start – Task is assigned but the engineer or technician or user has not accepted it yet.
      * Started – Task is accepted by the engineer or technician or user.
      * Finished – Task is closed by the engineer or technician or user.
      * Assigned To - The engineer or technician or user to whom the task is assigned.
      * Assigned On – The date and time on which the task was assigned.

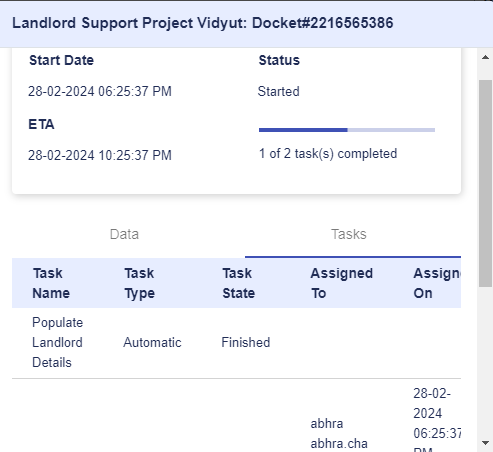


Figure 103 - View of Tasks in a ticket

Note: *This view of the incident is read only, as in it cannot be modified by the user. As and when the tasks are worked upon by the engineer or technician or user the view of the ticket gets changed accordingly.*

* There is an option to provide rating and feedback on the closed tickets.
  + Click on the button.
  + This will open the Rating & Feedback window.

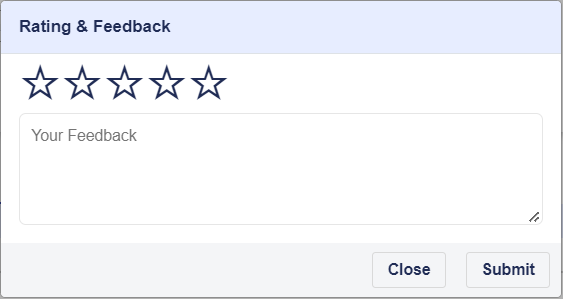


Figure 104 - Incident Rating & Review dialog

* + Click on the stars to provide rating.
  + Enter the feedback.
  + Click on  button to save the rating and review.
  + This will show the rating and feedback on ticket details page.

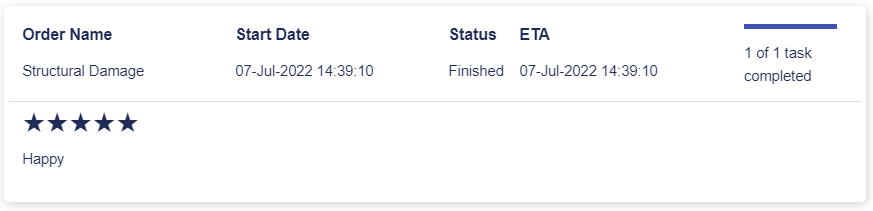


Figure 105 - Incident Rating & Review

Note: *Rating & Review can be provided only on closed ticket and only once. If rating and review is already given for a closed ticket, it cannot be given again.*

* To report a new Incident or raise a new ticket –
  + Click on the button.
  + This will open the Report Incident dialog.
  + Select the Incident Type to raise, from the dropdown.
  + The list can be filtered by typing the search text in the Search bar.
  + Based on the selected incident type, launch parameters are loaded dynamically.
  + Enter values in the launch parameters as appropriate.
  + Some of the launch parameters may have value already populated and disabled. Ignore them.
  + Click on the Save button to create the incident.

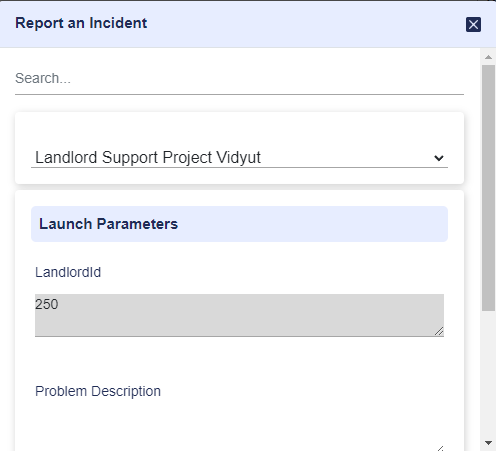


Figure 106 - Report an Incident Dialog

* + Once the incident is successfully created, a message appears with the docket number.

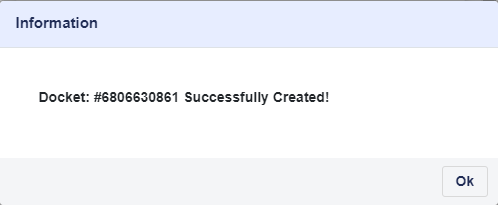


Figure 107 - Incident Creation Message

* + The docket also appears in the ticket list with Open status.
  + System allows raising same types of ticket multiple times for the same asset.

### Events

* The Event details of a landlord can be tracked from the ‘Events’ tab.
* Click on the ‘Event’ tab.
* Two panels will be loaded. On the left side, the list of Events of that particular site will be shown and include the columns Sl. No., Event Id and Event Time.

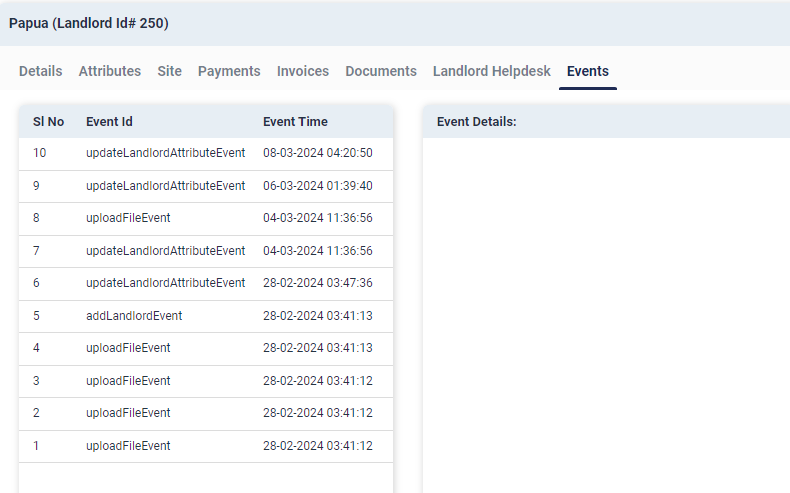


Figure 108 – List of Events

* Click on an event. The Event Details will be loaded in the right-side panel.
* It will include the Engine, Event Id, Event Time, User Name and Event Data.

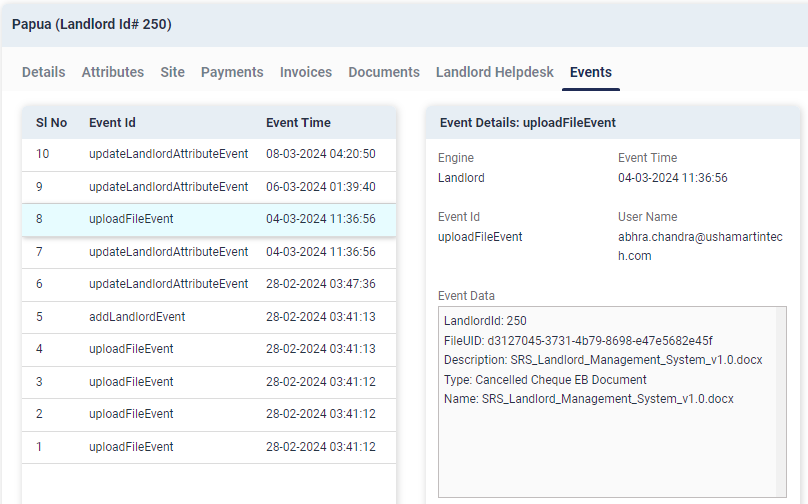


Figure 109 – Event Details

# User Management

* To go to User Management view, click on the on the left Menu bar.

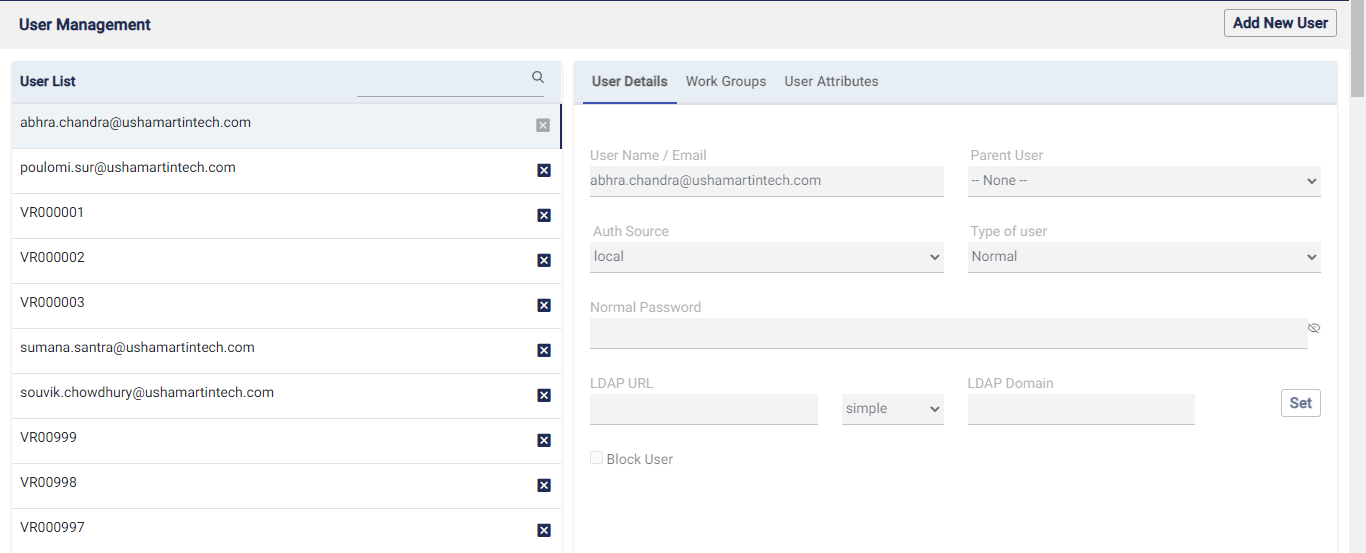


Figure 110 – User Management

* There are two sections of User Management:
* On the left side, there is “User List”.
* On the right side, there are three tabs where user can see User Details, Work Groups and User Attributes for each user.

## Add New User

* Click on the “Add New User” button and an “Add User” dialog will open up.

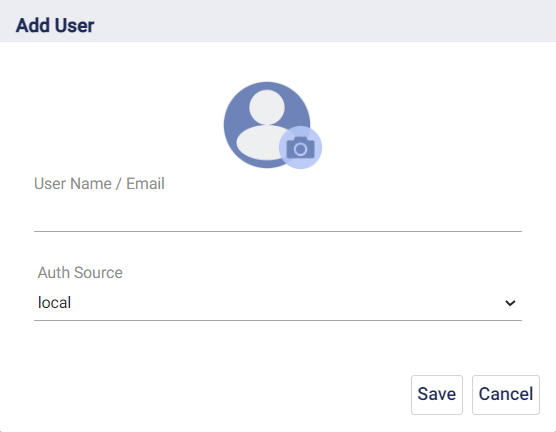
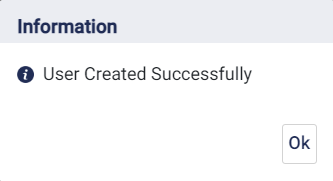


Figure 111 – Add User dialog

* By clicking the icon, user can upload a profile picture or display picture for that new user.
* Then, user has to input User Name/ Email.
* Select local for Auth Source.
* By clicking the  button, the new user will be added. Else, user can revert by clicking the  button.
* Once the user is successfully created, a message is shown to that effect.



* An email to the user will be sent with the auto-generated password. Also, the newly added user will be shown in the left side User List.

## User List

* Here user can see the list of other users’ User Names or Email Addresses. User can filter users by typing User name/ Email beside the  icon.
* By clicking the  icon, user can delete any of the listed users.

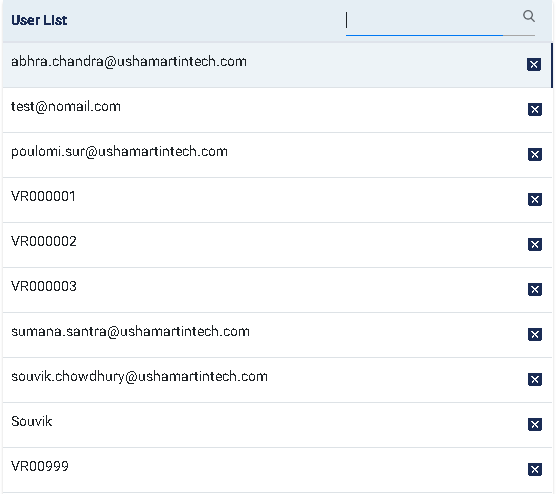


Figure 112 – User List

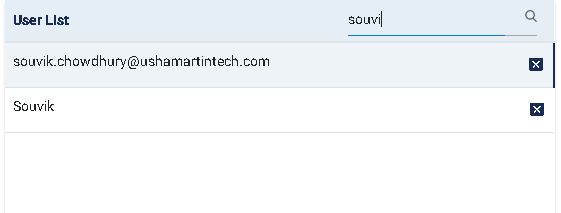
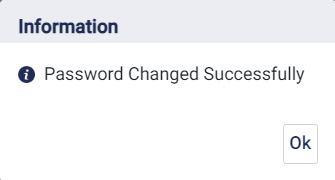


Figure 113 – Search in User List

## User Details

* In the User Details section, the following details for each user is shown:
* User Name/Email - User name for that particular user.
* Parent User - User can select its value from the dropdown.
* Auth Source - User can select its value from dropdown.
* Type of User - User can select its value from dropdown.
* User can change password by providing the new password in the Normal Password field and pressing “Tab” button. Only the Admin user can change other users’ passwords. By clicking the icon, the password can be made visible or invisible.

Once the password is successfully changed, a pop-up message is shown.



* LDAP URL(not applicable)
* LDAP Domain(not applicable)
* User can block the user by checking the box. A blocked user cannot login to the system.

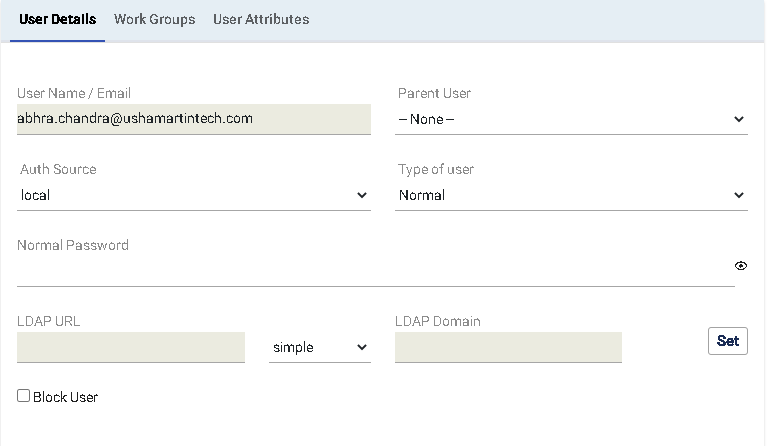


Figure 114 – User Details

## Work Groups

* Here, user can add work groups to a particular user.
* User can select work groups from the dropdown.
* By checking the box, user can make the work group inheritable.
* By clicking the button, user can add the work group to that user.
* In the lower section, user can see the Work Group Names, and their types for the particular user.
* By clicking the icon user can delete any workgroup for the particular user.

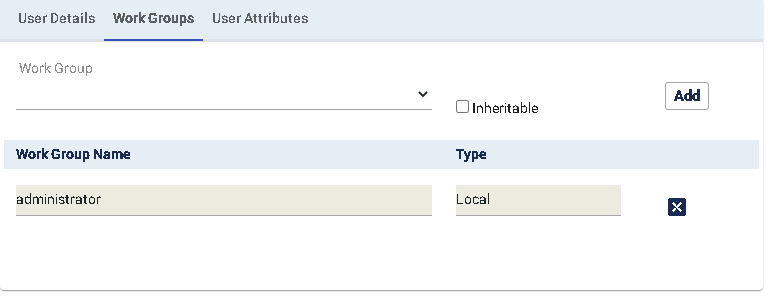


Figure 115 – Work Groups

## 8.5 User Attributes

* Here, user can add “Name” and “Value” for the Attribute Name for a particular user.
* In the lower section, user can see all the Attributes list for a particular user.
* By clicking the button, user can add a new attribute to a particular user.
* By clicking the button, user can delete any attribute of a particular user.

### User Skill

“Skill” is a special attribute of the user which is used by the system to automatically allocate workflow tasks to a user. Some workflow tasks as mentioned below have skills associated with them. When those tasks are created, the Workflow engine looks for users having the matching skill and assigns the tasks to those users.

Following is a mapping between workflow tasks and skills required to perform them.

* Workflow Name – **First Document Approval**
* Task & Skills mapping:
  + Task “Verification and Approval by Acquisition Senior Team” requires skill “Acquisition Team Agreement Approver”.
  + Task “Verification and Approval by Legal Team” requires skill “Legal Team Agreement Approver”.
  + Task “Verification and Approval by EMG Team” requires skill “EMG Team Agreement Approver”.
  + Task “Verification and Approval by Finance Team” requires skill “Finance Team Agreement Approver”.
* Workflow Name – Landlord Support Financial Issues or Queries or Landlord Support Operations Issues or Queries or Landlord Support Agreement or Landlord Support Project Vidyut or Landlord Support Others.
* Task & Skills mapping:
  + Landlord Support Activity by EMG Team -> Landlord Support.
* Workflow Name – Document Upload Request.
* Task & Skills mapping:
  + Landlord Info Change Approval -> Landlord Support.

For example, to perform the task of “Verification and Approval by Legal Team” during First Document Approval, the user needs to have the skill named “Legal Team Agreement Approver”. One user may have as many skills as required. In case of multiple skills, they need to be mentioned comma separated.

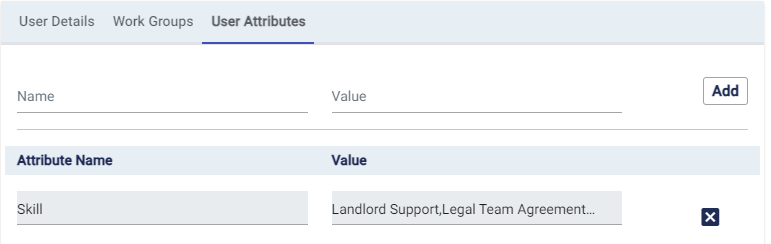


Figure 116 - User Skills

# Galaxy

To view the sub-meter reading records received from Galaxy, click on the icon on the left side Menu bar. This will open the Galaxy view GUI. The readings will be displayed in tabular view.

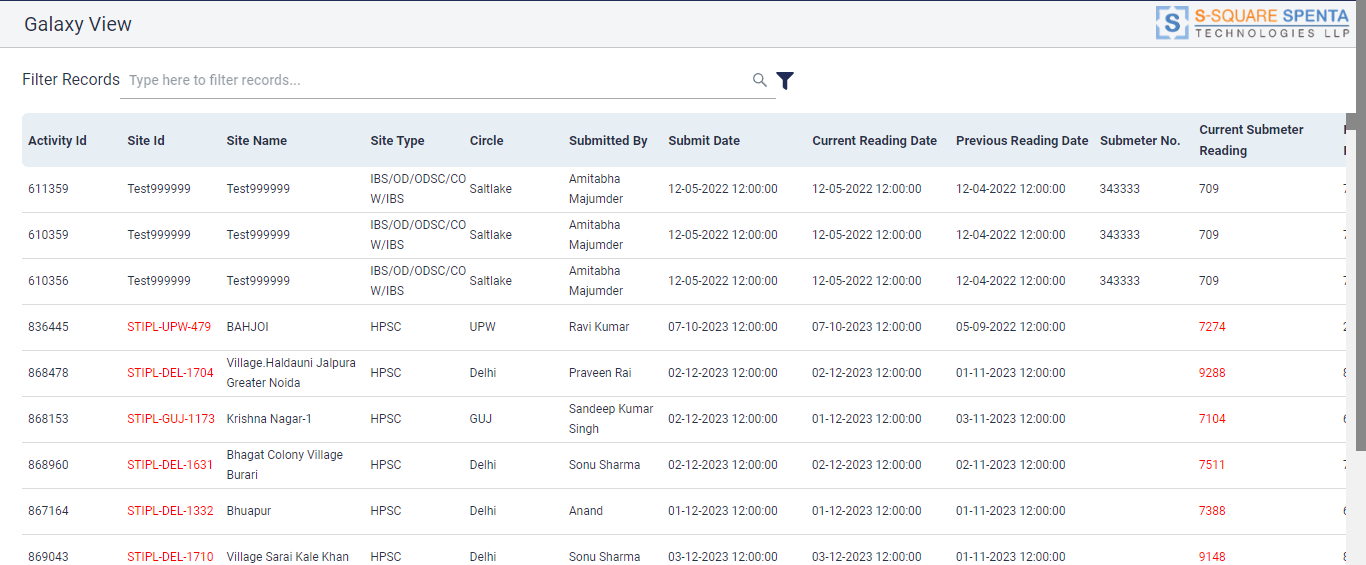


Figure 117 - Galaxy Meter Reading View

* By clicking the  icon, user can open a new window “Additional Filters”. Here, user can put values in the respective fields: Site Id, Status, Start Date, End Date.

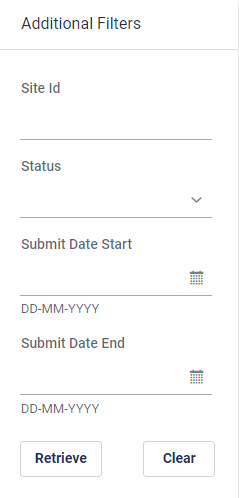


Figure 118 - Galaxy Additional Filters

* By clicking the  button, user can retrieve information.
* Here, upon giving the Start Date and End Date values, user will get the rows where Submit Date lies between the Start Date and End Date.
* If user does not put any values in the filter criteria, then upon clicking the “Retrieve” button, user will get all the information.
* By writing any relevant value like date or site name, etc. on the Search bar beside the  button, user can filter data for further.
* At the very last of every row there is a checkbox.  Only the records that have the status “To be processed” can be selected by checking the box. Any authorized user can “Approve”, “Reject” or “Reset” the record by clicking the respective buttons ,at the bottom of the screen.
* If user rejects a particular data, the reason can be mentioned at the “Reject Reason” column of the table.
* By clicking the  button at the “Current Submeter Picture” column, a screen will pop up with the picture of the current sub-meter.
* By clicking the  button, the filter section will be refreshed.

# Invoice Management

To go to the “Invoice Management” view, click on the left side Menu bar.

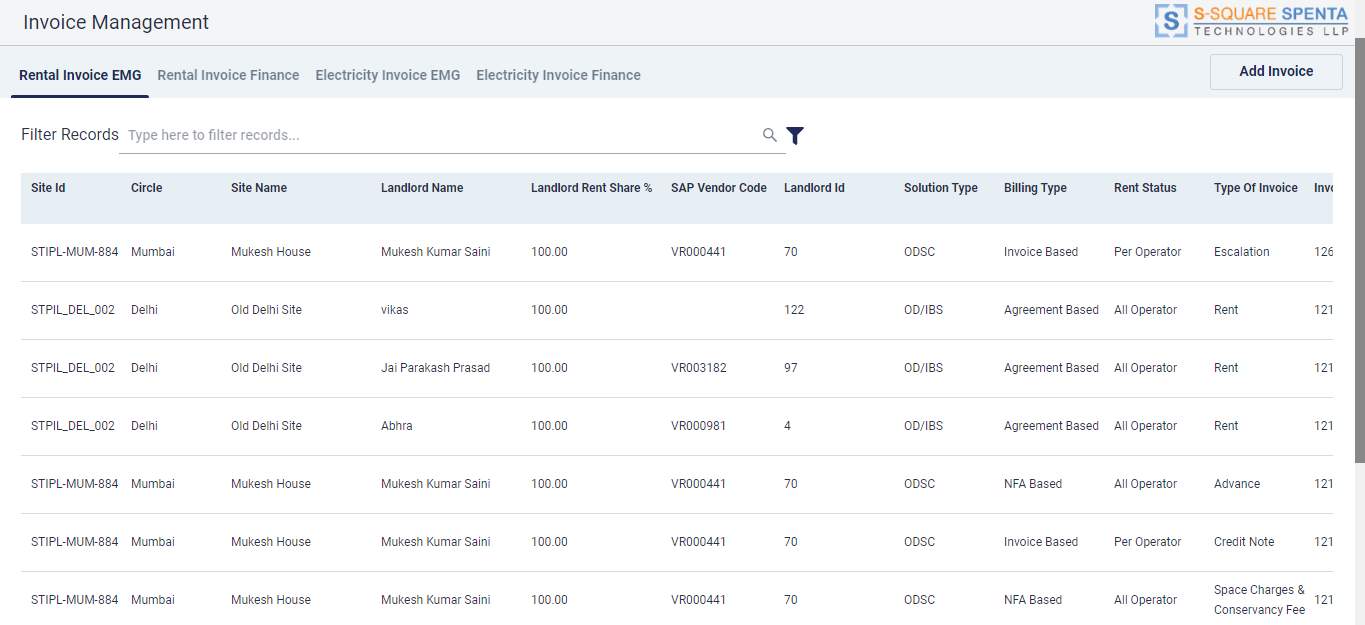


Figure 119 - Invoice Management

* There are four tabs in the “Invoice Management” view, named “Rental Invoice EMG”, “Rental Invoice Finance”, “Electricity Invoice EMG” and “Electricity Invoice Finance”.
* For “Rental Invoice EMG” and “Electricity Invoice EMG” tabs:
* By clicking the  icon, user can open a new window “Additional Filters”. Here, user can put values in the respective fields: Site Id, Invoice Type, Invoice No, SAP Vendor Code, Status, Start Date, End Date.
* By clicking the  button, user can retrieve information.
* If user does not put any value in the filter, then upon clicking the “Retrieve” button, user will get all the information.
* By clicking the  button, user can clear the filter fields.
* By writing any relevant value like date or site name, etc on the Search bar beside the  button, user can filter data for further criteria.
* For every row of the table, user can see the invoice by clicking the icon under the view column.
* User can select each or multiple rows by checking the checkbox iconunder the Select column. User can further “Hold”, “Unhold”, “Approve” or “Reject” the data by clicking the respective buttons,, , .
* User can enter remarks under the “Remarks” column for each record.
* Only the approved records from “Rental Invoice EMG” and “Electricity Invoice EMG” will be shown in “Rental Invoice Finance” and “Electricity Invoice Finance” tabs respectively.
* For “Rental Invoice Finance” and “Electricity Invoice Finance” tabs, user can “Approve”, “Reject” or “Save” any particular or multiple records by clicking the ,, buttons respectively.

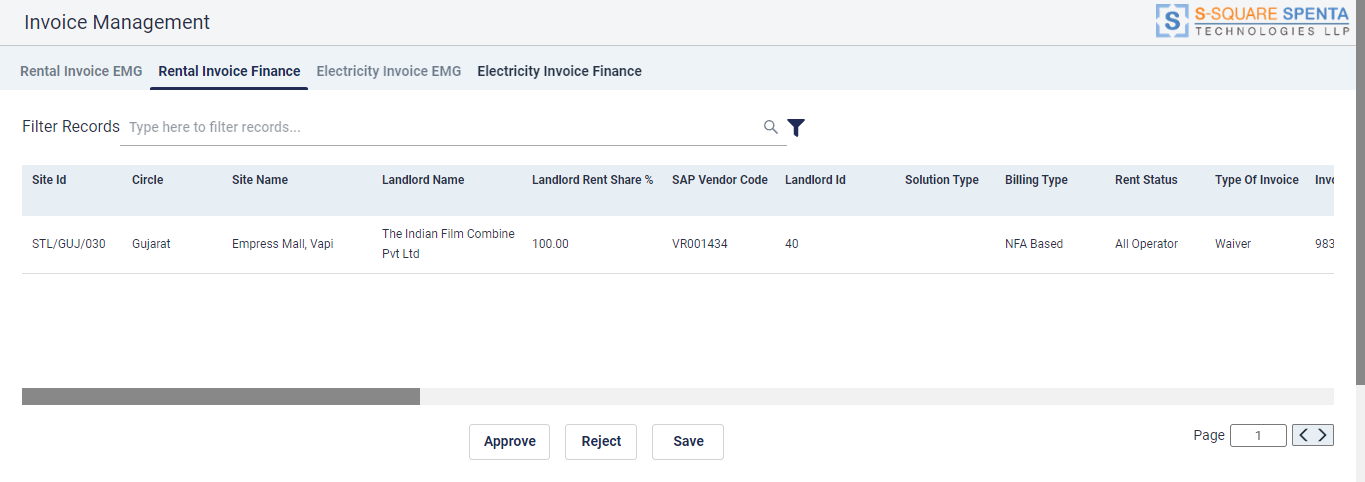


Figure 120 - Rental Invoice Finance

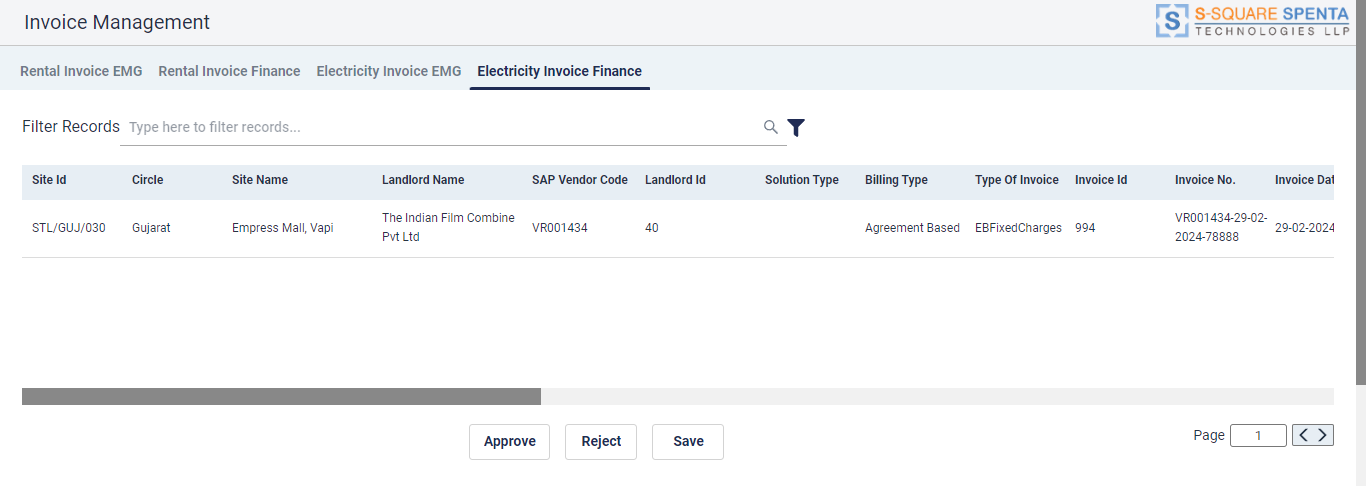


Figure 121 – Electricity Invoice Finance

## Add Invoice

* In the “Rental Invoice EMG” and “Electricity Invoice EMG” tabs, user can add invoice by clicking the  button.
* On clicking the button, a pop-up window named “Add Invoice” will appear.

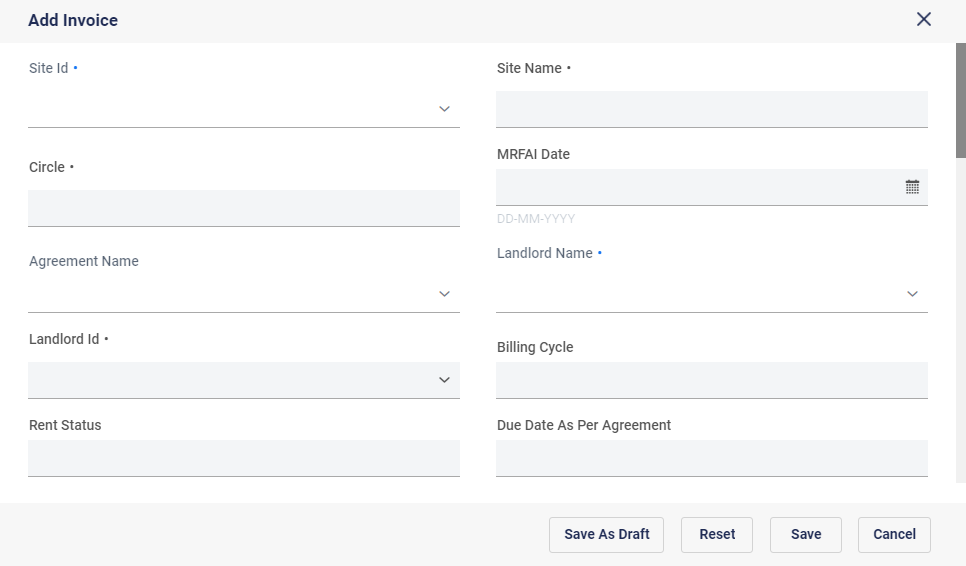


Figure 122 – Add Invoice pop-up

* By selecting the Site Id from the dropdown, the dependent values will automatically be selected and the user has to manually input other details.
* Clicking the  button will open a new screen where user has to upload an Invoice document. User can browse from files or drag and drop files and has to provide some description regarding the document. After that, clicking the  button will save the document.
* After filling all the details and clicking the  button, a new invoice will be added.
* For electricity invoice, additional data fields like meter readings, meter serial numbers, electricity charges, etc. need to be entered.

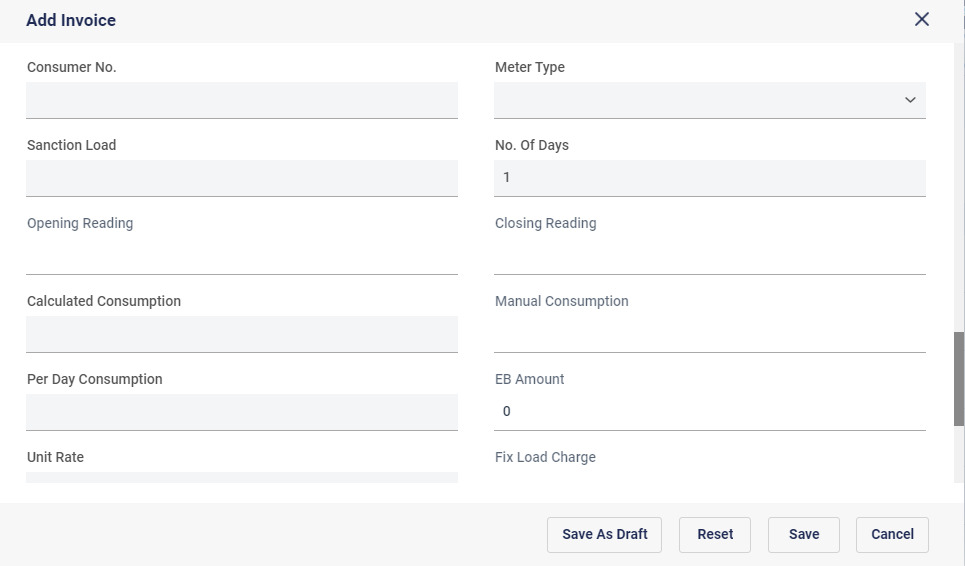


Figure 123 - Electricity Invoice Additional data fields

## Edit Invoice

* Both Rental and Electricity Invoices can be edited by EMG team from “Rental Invoice EMG” and “Electricity Invoice EMG” tabs respectively. Invoices which are in status “To-Be Processed” or “Rejected by Finance” can be edited and resubmitted. Invoices approved by EMG or in Hold status cannot be edited.
* To edit an invoice, select the invoice and click on theicon.

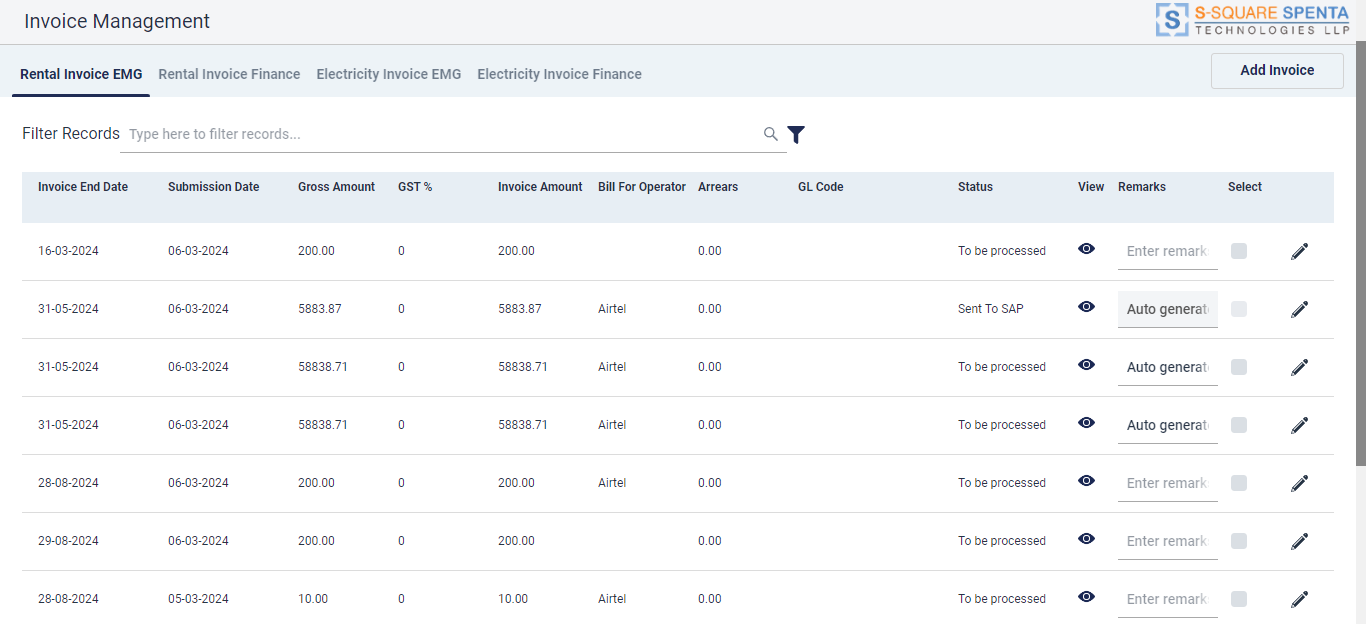


Figure 124 – Rental Invoice EMG Edit

* This will open the Edit Invoice dialog. Modify the details as required. Please note uploading a document is mandatory. Once done, click on the Save button.

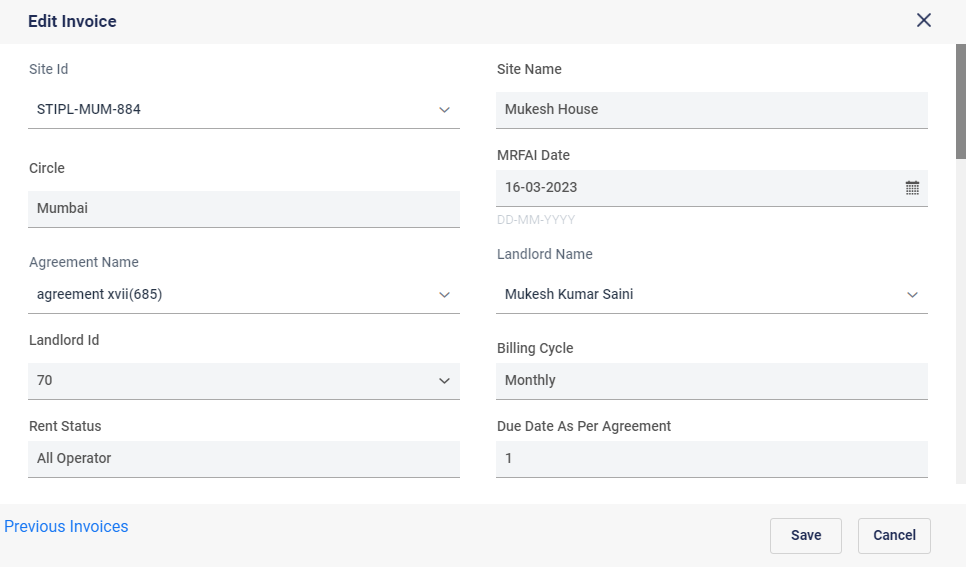


Figure 125 – Edit Invoice dialog

# Audit Trail

To go to the “Audit Trail” view, user has to click  in the side Menu bar.

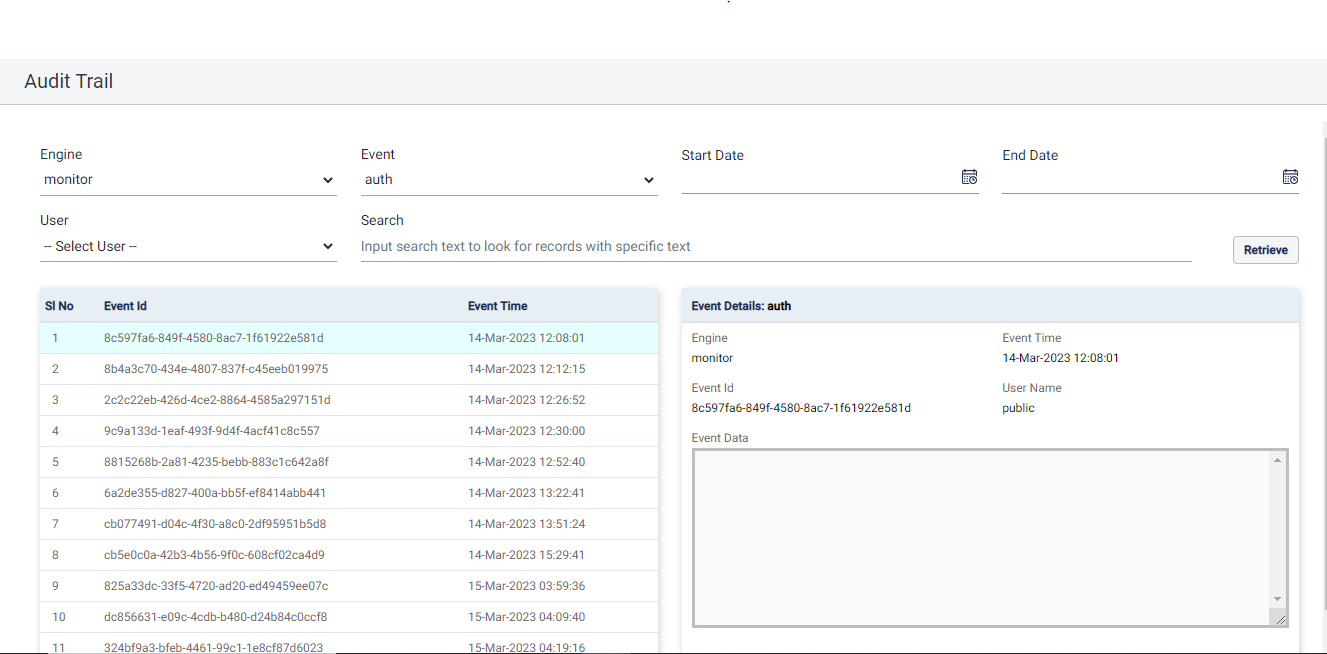


Figure 126 – Audit Trail

* User can select values for “Engine”, “Event” and “User” from respective dropdowns, “Start date” and “End Date” by clicking theicon and input any relevant keyword at search field for further filtering. Selecting values for “Engine” and “Event” are necessary.
* By clicking the  button, user can get data for that search in the below two sections.
* In the left section, there are three columns naming “Sl. No.”, “Event Id” and “Event Time”. User can select any data from the table by clicking it.
* The right section is called “Event Details”. Here, user can see “Engine”, “Event Time”, ‘Event Id”, “User Name” and “Event Data’ for the selected data in the left section.
* At the bottom, user can alternate among page numbers  by clicking the arrow keys.

# Report

* To go to Report view, user has to click  in the side Menu bar.

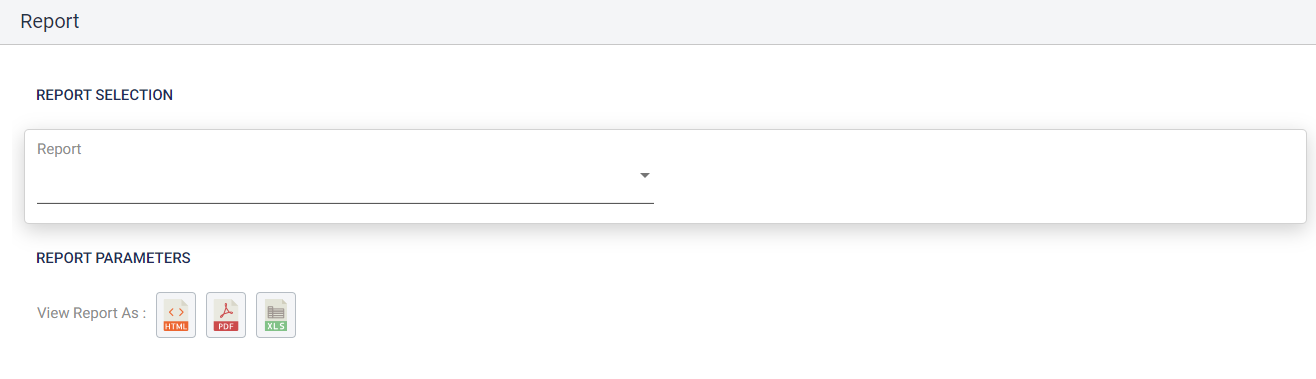


Figure 127 – Report view

* Here, users can select which report they want to download by selecting the Report type from the “Report Selection” dropdown.
* By clicking the  button, user can download the report in HTML format.
* By clicking the  button, user can download the report in PDF format.
* By clicking the  button, user can download the report in xls format.

## Report Selection

* In the Report Selection, a dropdown is present to choose the type of report. User can select the report type he/she wants to download.

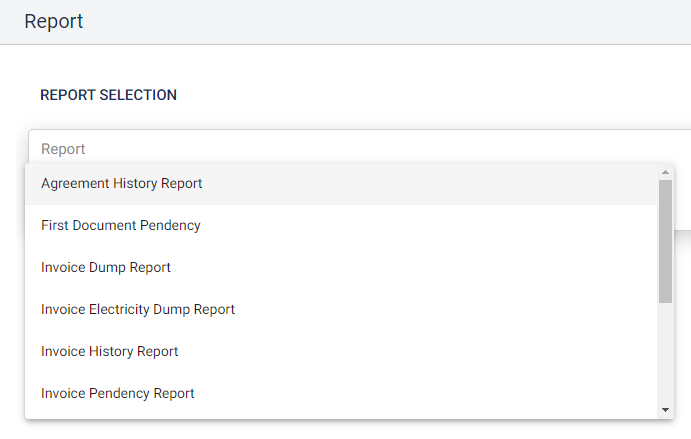


Figure 128 – Report Selection types

### 12.1.1. Agreement History Report

* In the Agreement History Report, user can choose the Report Parameters by searching via Agreement Id or Date (‘From’ and ‘To’ dates).
* User can then click the respective ,  or buttons to download the report in the respective formats.

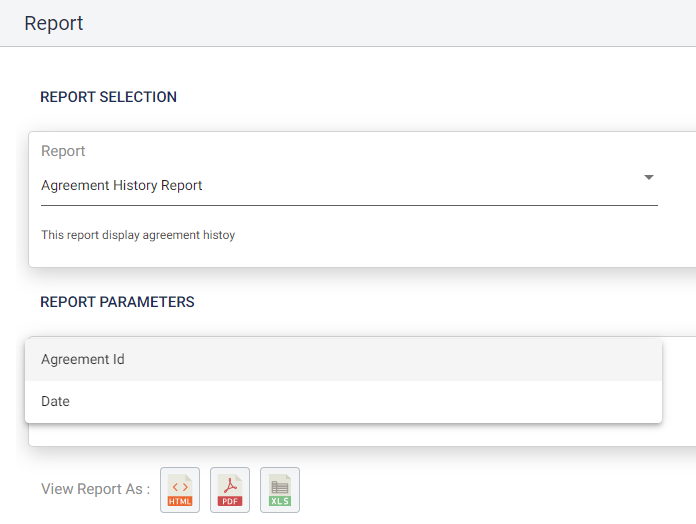


Figure 129 – Agreement History Report Parameters dropdown

* User can check the details of the report in the downloaded file, including the Agreement Status Change Date, Action Time Stamp and Aging as per calculations.

### 12.1.2. Invoice Electricity Dump Report

* In the Invoice Electricity Dump Report, user can choose the Report Parameters by selecting the ‘From’ and ‘To’ dates.
* User can then click the respective ,  or buttons to download the report in the respective formats.

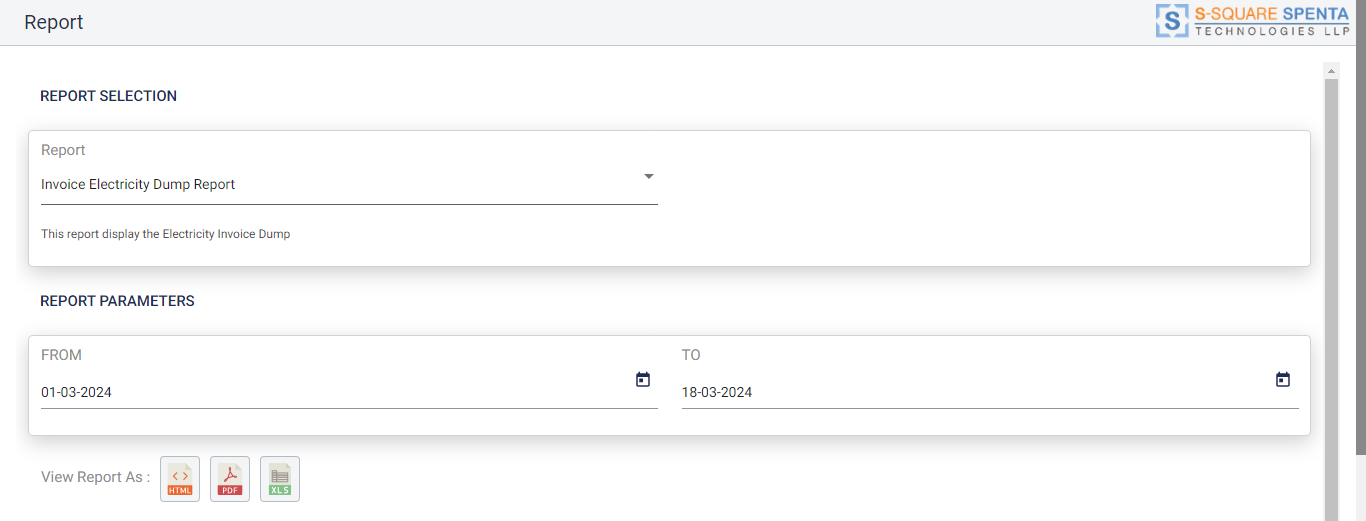


Figure 130 – Invoice Electricity Dump Report Parameters

* User can check the details of the report in the downloaded file, including the Invoice No., Invoice Date and Final Payable Amount as per calculations.

### 12.1.3. Invoice History Report

* In the Invoice History Report, user can choose the Report Parameters by selecting the ‘From’ and ‘To’ dates. User can also use the Site Id to filter out report of a particular site.
* User can then click the respective ,  or buttons to download the report in the respective formats.

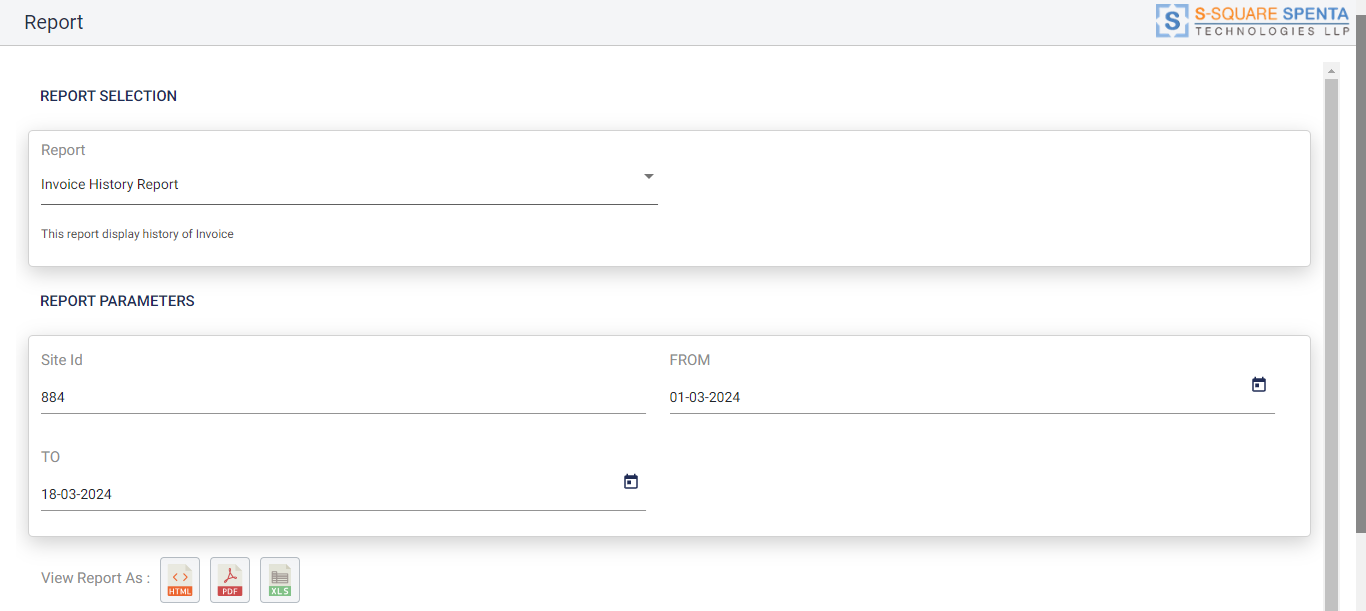


Figure 131 – Invoice History Report Parameters

* User can check the details of the report in the downloaded file, including the Invoice Status Change Date, Invoice Id and Aging as per calculations.

### 12.1.4. Invoice Rental Dump Report

* In the Invoice Rental Dump Report, user can choose the Report Parameters by selecting the ‘From’ and ‘To’ dates.
* User can then click the respective ,  or buttons to download the report in the respective formats.

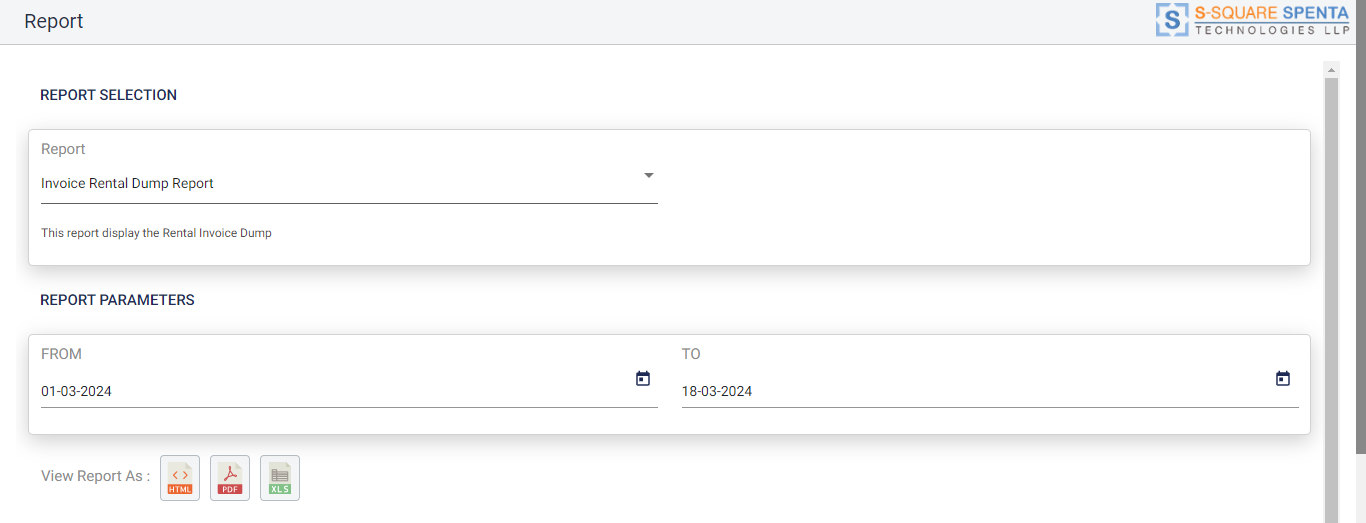


Figure 132 – Invoice Rental Dump Report Parameters

* User can check the details of the report in the downloaded file, including the Invoice Id, Invoice No., Invoice Date and Invoice Amount as per calculations.

### 12.1.5. Landlord Ledger Report (Invoice & Payments)

* In the Landlord Ledger Report (Invoice & Payments), user can choose the Report Parameters by entering the Landlord Id.
* User can then click the respective ,  or buttons to download the report in the respective formats.

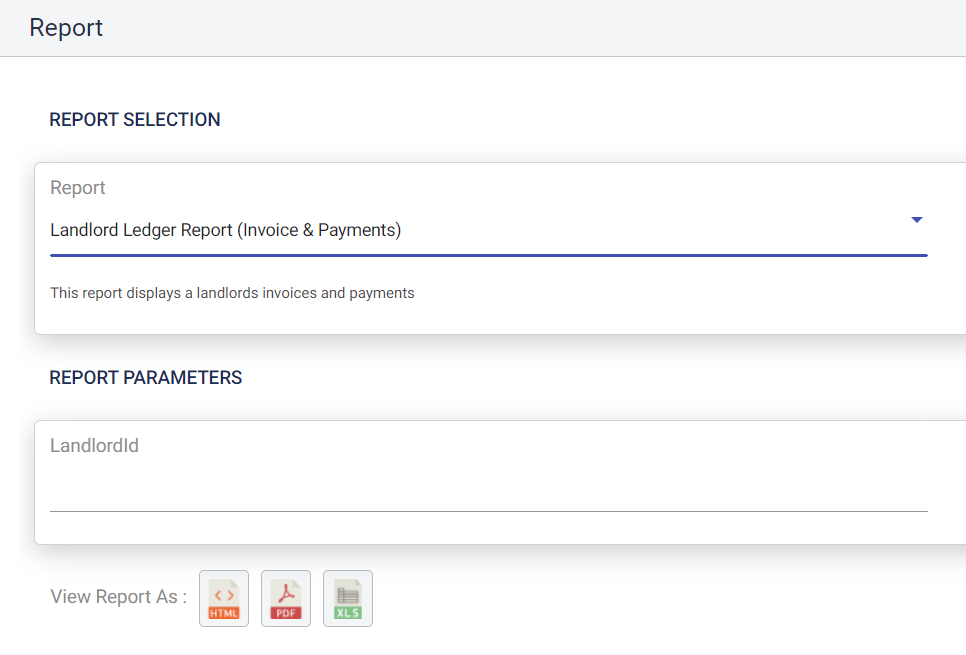


Figure 133 – Landlord Ledger Report (Invoice and Payments) Parameter

* User can check the details of the report in the downloaded file, including the Invoice No., Invoice Amount, Total Amount and Payment Amount as per calculations.

### 12.1.6. Site Agreement Data Dump

* In the Site Agreement Data Dump, there is no specific Report Parameter.
* User can click the respective ,  or buttons to download the report in the respective formats.



Figure 134 – Site Agreement Data Dump Report

* User can check the details of the report in the downloaded file, including the Site Id, Agreement Date and Rent Amount as per calculations.

### 12.1.7. Site Data Dump

* In the Site Data Dump, there is no specific Report Parameter.
* User can click the respective ,  or buttons to download the report in the respective formats.

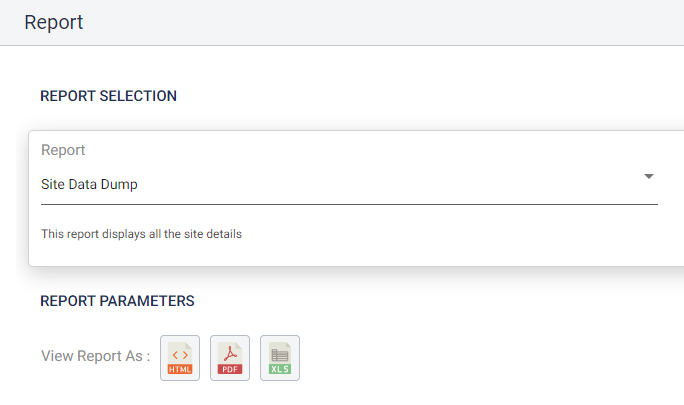


Figure 135 – Site Data Dump Report

* User can check the details of the report in the downloaded file, including the Site Id, Start Date and Electricity Unit Rate for Submeter as per calculations.

### 12.1.8. Site Landlord Data Dump

* In the Site Landlord Data Dump, there is no specific Report Parameter.
* User can click the respective ,  or buttons to download the report in the respective formats.

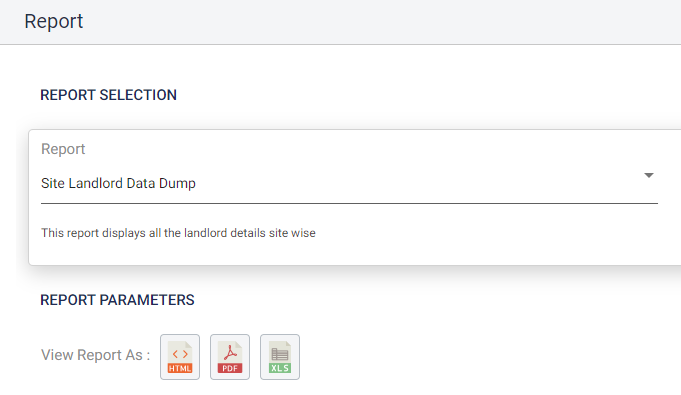
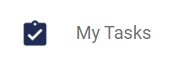


Figure 136 – Site Landlord Data Dump Report

* User can check the details of the report in the downloaded file, including the Site Id, Landlord Id and Payout Amount as per calculations.

# My Task

* Clicking on the  Menu item will take user to his/her task work list. These are tasks assigned to users by the workflow management system for different workflows and trouble tickets configured, i.e. First Document Approval, NFA or Landlord Support Tickets.

## Task Execution

* From My Tasks GUI, users may view and execute the tasks in his/her bin.

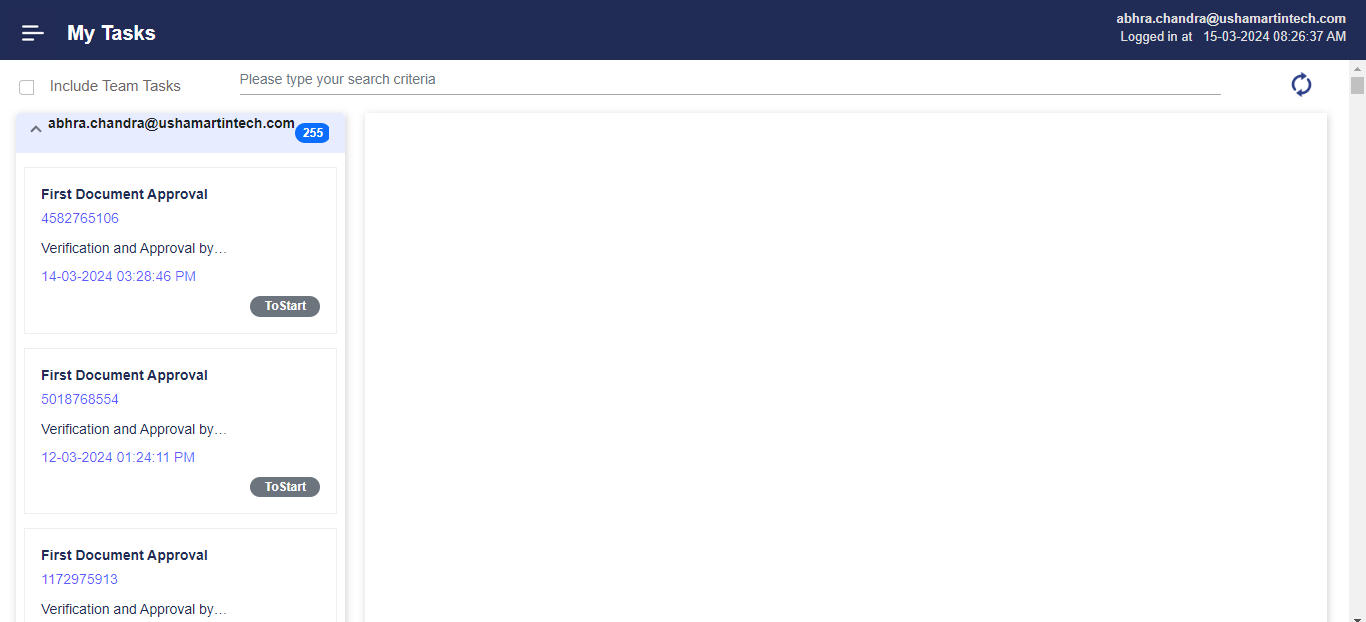


Figure 137 - My Tasks

* User can do the following:
* View list of tasks assigned to the user.

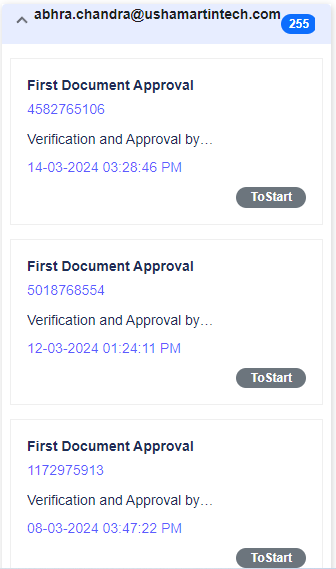
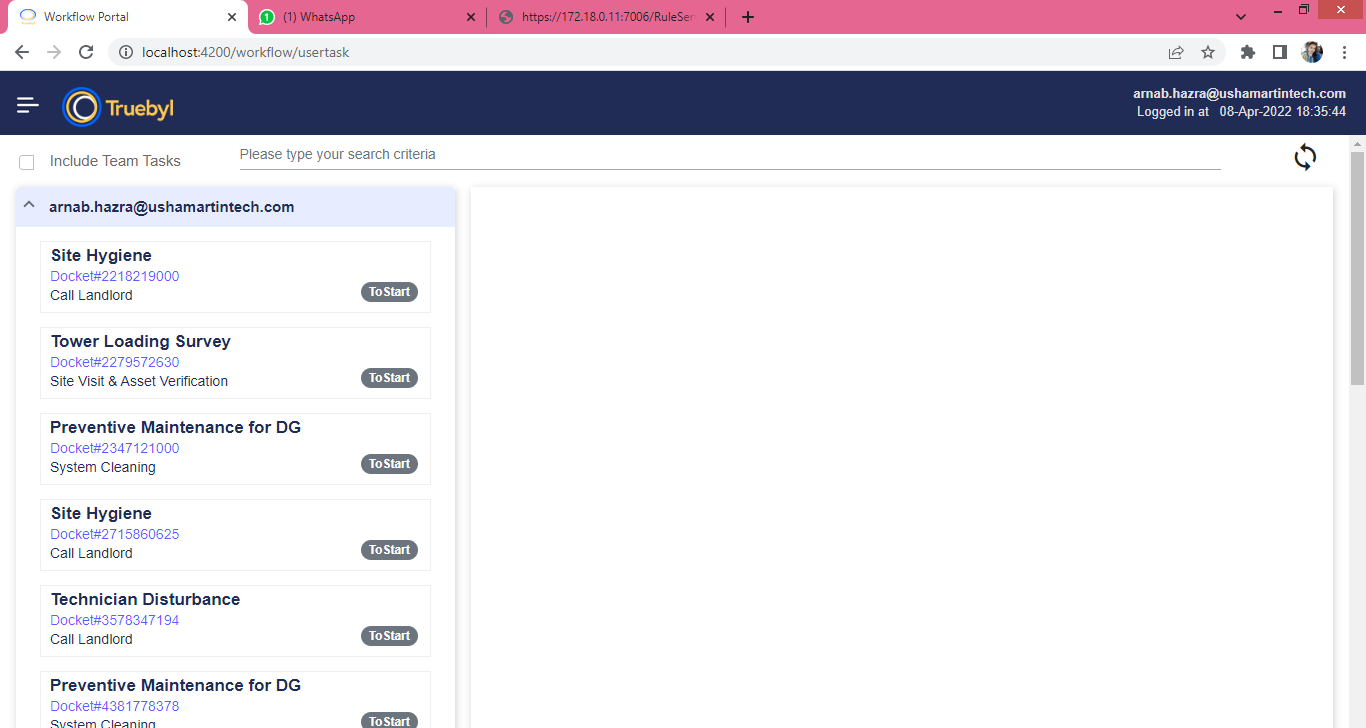


Figure 138 - Workflow Task List

* Can check the Include Team Tasks checkbox to view tasks of child users.



* Filter the list by Searching with task description or docket number.



* When a task is selected from the Task List (on the left frame), the following details of the task can be viewed on the right frame:
* Basic Information
* Task Attributes
* Task Editable Fields

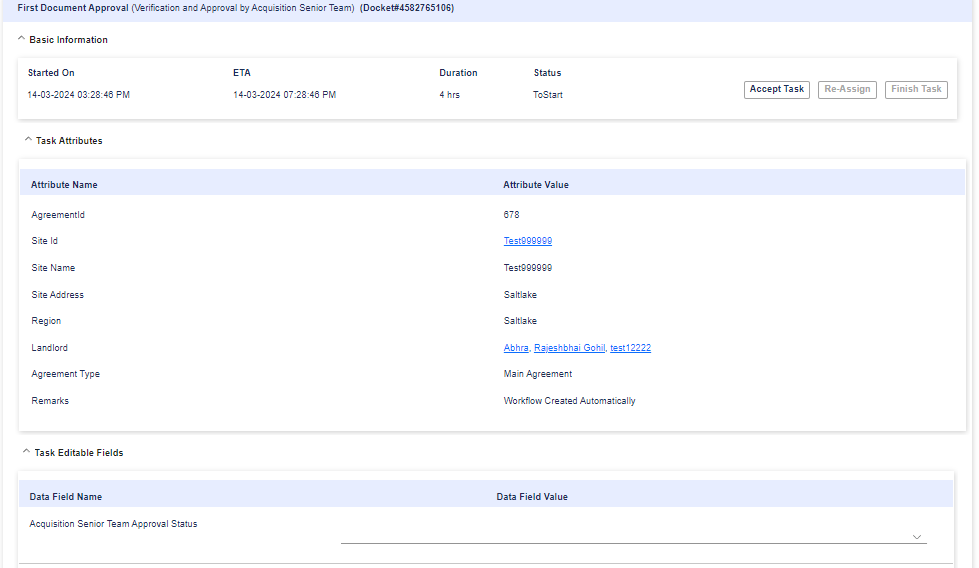


Figure 139 - Task Details

* **Basic Information:** This section will show the basic information for the selected task. User may select to accept the task using  button and re-assign task using  button. Also, user may mark the task as finished using Finish Task button.

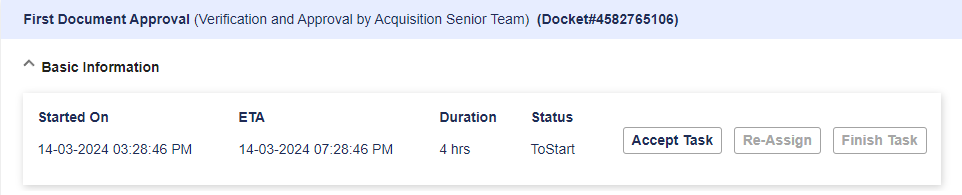


Figure 140 - Task Details Basic Information

* **Task Attributes:** This section shows the attributes for the selected task. It will list all the task attributes in key-value pair format.



Figure 141 - Task Attributes

* **Task Editable Fields:** This section shows all the editable fields for the selected task. The user may edit the data fields and save editable fields for the selected task.



Figure 142 – Task Editable Fields

* Users can set values for task editable fields and press the  button. Once the data is saved successfully, the following dialog will appear:

Graphical user interface, application, Word

Description automatically generated

**Task Operations and statuses:**

* If the task is not started yet, then task status will be: .
* When user will press the button:, the following dialog will be shown. Pressing button: , task status will be changed to: .

Graphical user interface, application

Description automatically generated

* When user will press button: , the following dialog will open. There will be possibility to choose different user from dropdown list and press  to re-assign selected task to the chosen user. Button:  will cancel the re-assign operation and close the dialog.

Graphical user interface, text, application, chat or text message

Description automatically generated

There will be possibility to finish the selected task using the button:****

* When the selected task will be finished, the following dialog will appear:

Graphical user interface, application, Word

Description automatically generated

## Tickets View

* On clicking the  Menu in the left side bar, user is taken to the “**Tickets**” view.
* The **Tickets** view shows all the list of tickets/incidents raised by the user.
* The following columns are displayed for Tickets: Docket#, Category, Subject, Initiated On, Initiated By, ETA, Status.

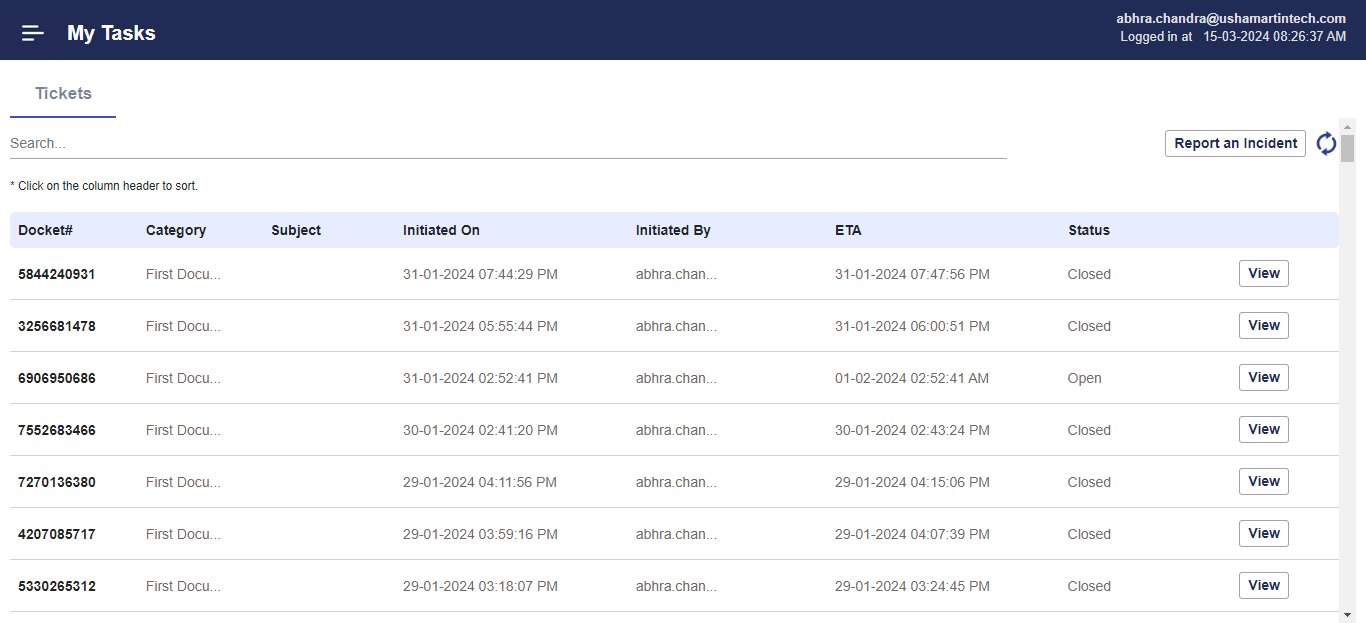


Figure 143 – My Tasks Tickets

* User may view the details of the Tickets using  button.
* When  button is pressed, the following dialog opens with two tabs: **Data** and **Tasks**.

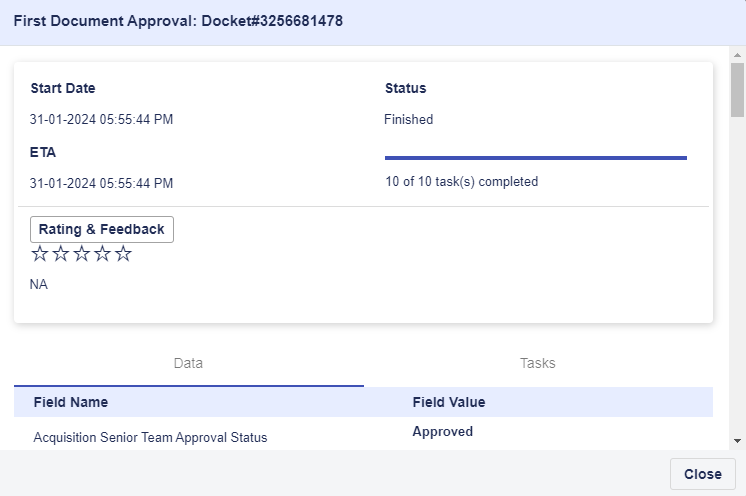


Figure 144 - Tickets Details dialog



Figure 145 - Tickets Tasks view

* When user will press button, the following dialog opens.

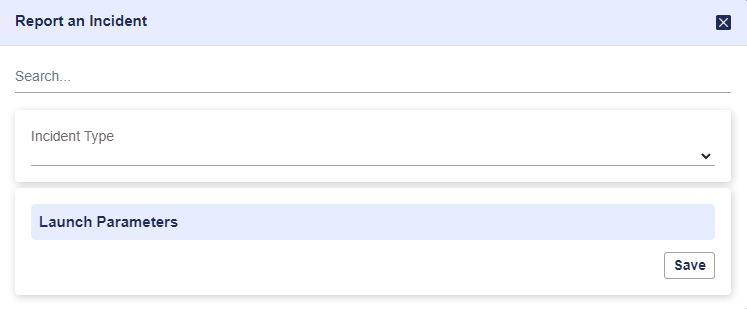
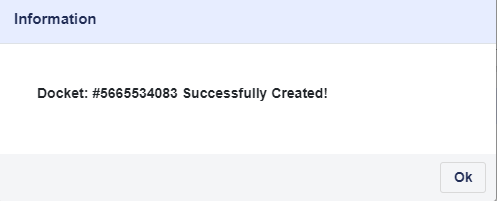


Figure 146 - Report an Incident dialog

* User may select the **Incident Type** from dropdown list. On selecting the incident type, the relevant data fields for that type will be shown. User can enter the parameter values and launch the workflow by clickingText, icon

  Description automatically generated.
* When user submits the data, the ticket is generated and a docket number is created.

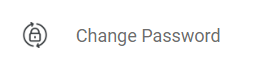


* After new incident is created successfully, it will appear in the incident list below, after refreshing the view:



Figure 147 - List of tickets

# Change Password

* To change the password of a user, the user has to click the icon on the left side Menu bar. This will open the password change GUI.

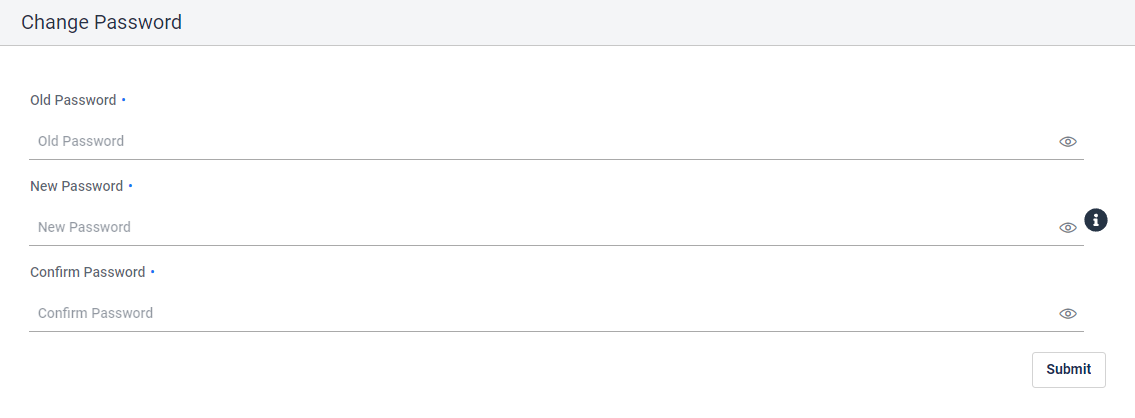


Figure 148 – Change Password

* User has to enter the old password, the new password and retype the new password and submit. Once the password is successfully changed, user will receive a notification email. User should logout and re-login with the new password.
* Hovering the mouse over the  icon shows the password policy.

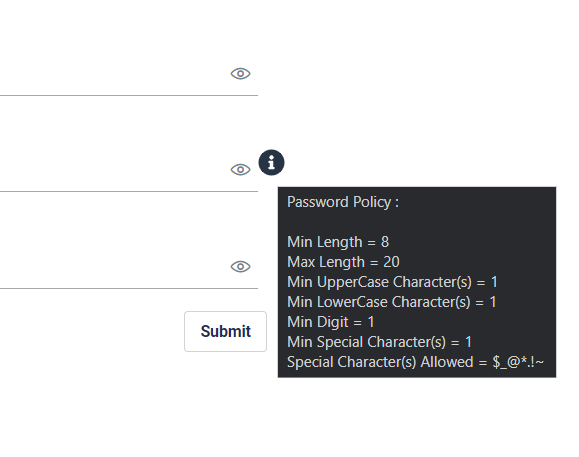


Figure 149 – Password Policy