

<h1>SURVEY</h1> <h2>Software Requirement Specification</h2>	<p>November 14 2022</p>
<p>This document provides a comprehensive view of the SURVEY Software Requirement features in the application.</p>	<p>Version 1.2</p>

Prepared for:

Prepared by:
Business Development Team
Estrrado Technologies
CBS, 5th Floor, Phase 3
Technopark, Trivandrum – 695581

Copyright© Estrrado Technologies

Information in this document is subject to change without notice and does not represent a commitment on the part of Estrrado Technologies. No part of this document may be reproduced or retransmitted in any form or by any means, whether electronically or mechanically, including, but not limited to the way of Photo Copying, Recording or through any other means of information recording and retrieval system without the express written consent of Estrrado Technologies.

Document Reference Information

Title of the Document	<i>SURVEY Software Requirement Specification v1.0</i>
Controlled Copy (Yes/No)	Yes
Author	Business Development Team

Reviewed By:

Date:**Accepted/Approved By:**

Date:

Revision History

Version	Date	Reasons for Changes	Name
1.0	10-10-2022	Draft version	ESTRADO
1.1	01-11-2022	Change request and New features	ESTRADO
1.2	14-11-2022	Change request	ESTRADO
1.3	21-11-2022	Change request and New features	ESTRADO

Table of Contents

1 Overview	7
1.1 Document Management	7
1.2 Intended Audience	7
2 Scope	8
3 Specification	9
4 Project Requirements	9
4.1 General Overview	9
4.2 Super Admin Module (Web)	10
4.2.1 Login Page	10
4.2.2 Dashboard	11
4.2.3 Profile page	12
4.2.4 Edit Mobile Number	14
4.2.5 customers	15
4.2.6 Customer Details Page	16
4.2.7 User role management -roles	17
4.2.8 User role management - Add new role	18
4.2.9 User Role Management - Users	20
4.2.10 Add New User (changes)	21
4.2.11 Add New Customer (changes)	23
4.2.12 Service master list page	25
4.2.13 Service master - Add new service (changes)	26
4.2.14 Service requests	27
4.2.15 New Service Requests	28
4.2.16 Service Request - Submitted Form Page	30
4.2.17 Accept and Send Notification	32
4.2.18 Reject Open and Send Notification (changes)	33
4.2.19 Reject Closed and Send Notification	34
4.2.20 DH verified field study report with ETA (changes)	35
4.2.21 Assign the draftsman or field assistant for invoice preparation	36
4.2.22 Invoice verified by DH	37
4.2.23 DH verified the receipt	38
4.2.24 DH verified the invoice - assign the survey study page (change)	39
4.2.25 Account officer rejected the payment receipt	40
4.2.26 DH verified survey report	41
4.2.27 Service Individual Details Page	42
4.2.28 Service Individual Details Page - TimeLine	44
4.2.29 Service Individual Details Page - Submitted Form	45
4.2.30 Sub Office List Page	46

4.2.31 Sub Office Individual Details Page	47
4.2.32 Sub Office - Add new	48
4.2.33 Repository Management	49
4.2.34 Repository Management Individual Details Page	50
4.2.35 Notification Page	51
5 Admin Panel	52
5.1 Admin Login	52
5.2 Homepage - Dashboard	53
5.3 Profile Page	54
5.4 Customer Page	55
5.5 Add New customer page	56
5.5.1 Customer Details Page	58
5.5.2 Service and request page.	59
5.5.3 New assigned service page	60
5.5.4 Assigning field study to surveyor	61
5.5.5 Surveyor rejected the request - Assigning new surveyor page	62
5.5.6 Customer Individual Details Timeline Page	63
5.5.7 Service - customer submitted Form Page Details	64
5.5.8 Service - Surveyor Report Submitted Page Details	65
5.5.9 Add ETA page	66
5.5.10 Field Report Reject Page Details	67
5.5.11 Service - Surveyor invoice verified Page Details	68
5.5.12 Service - Surveyor invoice reject page details	69
5.5.13 Service - Survey report received	70
5.5.14 Support management page	71
5.5.15 Support page individual page details	72
Customer Panel	73
5.5.16 Login	73
5.5.17 Forgot password - create new password	75
5.5.18 Registration	76
5.5.19 Dashboard	78
5.5.20 Profile	80
5.5.21 Notifications	82
5.5.22 services	84
5.5.23 Service Details Page	92
5.5.24 Submit Form Basic Details Page	93
5.5.25 Submit Form Location Details Page	95
5.5.26 Submit Form Survey Details Page	96
5.5.27 My Service Requests	98
5.5.28 My Service Requests Individual Service Timeline Page	99

5.5.29 My Service Requests - Reject Open Page Details	100
5.5.30 My Service Requests - Reject Open Page - Form editing 1	101
5.5.31 My Service Request -Reject Open Page - Form edit 2	102
5.5.32 My Service Request -Reject Open Page - Form edit 3	103
5.5.33 My Service Requests - Reject closed Page	104
5.5.34 My Requests Individual Service - Invoice received details Page (change)	105
5.5.35 Invoice receipt rejected	106
5.5.36 My Requests Individual Service - survey report received	107
5.5.37 Get help/ support page	108
5.5.38 Get help/ support individual page	109
6 Surveyor Web Panel	110
6.1.1 Login	110
6.1.2 Service and Requests List Page	111
6.1.3 Accepted Service Individual Page - Upload Document page	112
6.1.4 Accepted Service - invoice submitted by draftsman / field assistant page	113
7 Accounts officer	114
7.1.1 Service request page	114
7.1.2 Invoice received individual page	115
7.1.3 Invoice received - rejected	116
7.1.4 Service - Invoice generated	116
8 Field assistant / draftsman	117
8.1.1 Service and request page	117
8.1.2 Service and request page- individual page details (changes)	118
8.1.3 Service and request page- create invoice page details	119
8.1.4 Service request - MS verified survey report	121
8.1.5 E- signature Pending page.	122
8.1.6 E- signature Individual Page Details	123
9 Deputy hydrographer	124
9.1.1 Service - field study report with ETA received	124
9.1.2 Invoice verified by Admin (name)	125
9.1.3 Service - Accounts officer verified the receipt	126
9.1.4 Assistant cartographer verified the survey report	127

1 Overview

The document provides the business needs that are required in the survey web application. The document contains what is required, which will help in the storage and retrieval of data giving the user maximum amount of data with a minimum effort.

User roles in the application are:

1. Super Admin
2. Admin
3. Surveyor
4. Assistant surveyors

1.1 Document Management

The purpose of this document is to present a detailed description of the SURVEY Web and app. It will explain the purpose and features of the system, the interfaces of the system, and what the system will do. This document is intended for both the stakeholders and the developers of the system.

This document is primarily intended for the development team to develop the first version of the system and the test team to test the software appropriately. This document states the functions and capabilities the application needs to provide, as and the basis for all subsequent project planning, design, coding, and testing.

1.2 Intended Audience

Virtually everyone involved in the project relies on this document. The development team, maintenance staff, testers and support people.

The targeted audience for this document includes business, technical and project management stakeholders. Specific users shall include software or system developers and testers. The primary audience is the designers/developers who will determine how these needs are to be met. The architects of the project will make the system more user-friendly by developing the system process.

2 Scope

The system comprises of three different units and their features are as follows:

A. SUPER ADMIN MODULE

This unit, the Super Admin module will be managed by the Super Admin and consists of the following Features:

- a. Dashboard
- b. Manage Offices
- c. Manage Users, their roles and designations.
- d. Manage customers and service allocations
- e. Manage support related services
- f. Manage reports and analysis

B. ADMIN MODULE WEB

This unit is the User Module which will be managed by the Admin and it consists of the following features:

- a. login
- b. Service request management
- c. Manage users, Surveyors and assistant
- d. Assignment and Reassignment work management
- e. Dashboard
- f. Manage Organization details

C. CUSTOMER MODULE WEB

- a. This module is for customers from the Web. It comprises of the following features:
- b. Login
- c. User Profile
- d. Service request page
- e. Tracking the request
- f. Support / help desk page

D. SURVEYOR MODULE WEB

- a. Login
- b. service document submission activity page.

E. Accounts officer

- a. Service request page
- b. Invoice received individual details (Accept)
- c. Invoice received individual page (reject)

F. Field assistant/ Draftsman

- a. Service request page

- b. Invoice preparation assignment received
- c. Create invoice page

3 Specification

The following are the specifications for the project:

SL.No	Specifications	Description
1.		a)
2.		
3.		
4.		
5.		
6.		

4 Project Requirements

Tasks that must be completed to ensure the success of the project. Provide a clear picture of the work that needs to be done.

4.1 General Overview

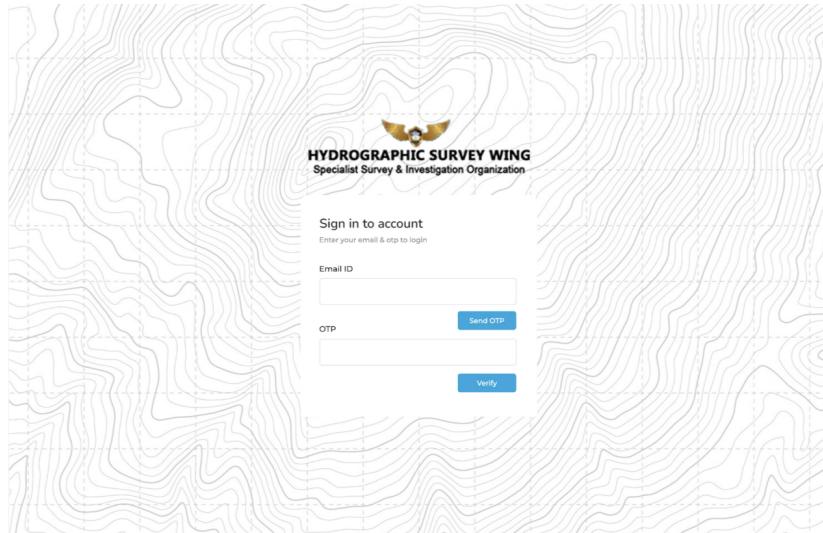
- There should be a front-end Super Admin Module (Web Application) for the System Admin to manage the organizations and the Service packages.
- There should be an Admin Module (Web Application) for all users which will be managed by the Super Admin.
- There should be a surveyor Module (Web Application) for surveyors which is under Admin, which will be managed by the Super Admin.
- The mobile application for surveyors shall be an extension of the user module in web and will be integrated with it.

4.2 Super Admin Module (Web)

4.2.1 Login Page

The Super Admin shall sign in to the application through the login page with their credentials. This unit shall be managed by the Super Admin.

Login Page



1. The Admin shall be able to enter their credentials and login to the application.
2. The password can be reset and the Admin will receive the reset link in the registered email ID to reset the password.
3. Only the System Admin shall have access to the Admin module.
4. Admin can login to the system by entering the Email id. Once the user enters the mail id , the system will send an OTP to the mail id . Users need to enter the OTP to successfully login to the system.

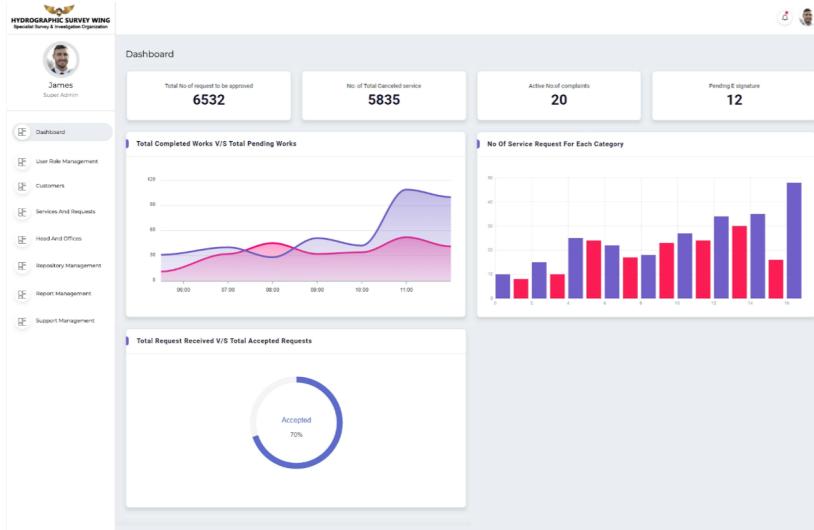
Login Page Attributes

S.No	Attribute	Description
	Username	Enter the username
	Password	Enter the password. The password shall be hidden
	Login (Button)	Click to login to the application

4.2.2 Dashboard

The landing page from login shall be the dashboard screen. The count of the total organizations, users and training programs will be displayed.

Dashboard



1. The count of the total number of requests to be approved will be displayed in tiles.
2. The count of the total number of canceled services will be displayed in tiles.
3. The count of the total number of active complaints will be displayed in tiles.
4. The count of the total number of active complaints will be displayed in tiles
5. Total completed works vs pending works will be graphically represented
6. Number of request for each category will be displayed graphically
7. Total accepted vs request received will be displayed.

8. The bell icon displays the notifications of new requests from clients as well when a new activity is done from the hierarchy will be displayed

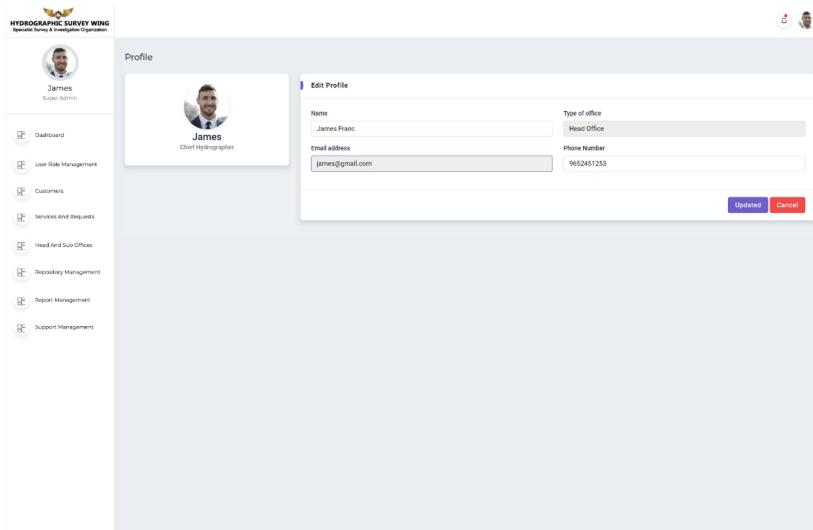
9. The System Admin will have access to the following modules:
 - a. Dashboard
 - b. Customer
 - c. Service request
 - d. Sub offices
 - e. Repository management
 - f. Report management
 - g. Support management

Dashboard page Attributes

S.No	Attribute	Description
	Profile	Click to view the user's profile
	Notifications (Bell icon)	Display the notification count. Click to view the notification list.
	Dashboard Tiles	Displays the count of Organizations, Users and Training Programs
	Module List	Click to navigate to the respective module
	Signout	Click to sign-out from the application

4.2.3 Profile page

The Admin can update their profile by clicking on the profile icon. User can access their profile page once they logged in to the system. Users can view their profile page and view their added details.



Body contents

1. User will be displayed following details
 - a. Name - User name will be displayed
 - b. Designation - User designation will be displayed

- c. Uploaded image - User can Upload images
- d. Email address - User Email id will be displayed
- e. Phone number - User can change/update the mobile number
- f. Type of office - User type of office will be displayed

Admin Profile Attributes

S.No	Attribute	Description
	Name	Enter and update the Name of user
	OFFICE	Select the type of the office from the list
	Email ID	Enter and update the email ID of the user
	Phone No.	Enter and update the phone number of the user
	ROLE of the person	Automate populated
	Change Password	password

4.2.4 Edit Mobile Number

hydrographic survey

User role management

Roles

Users

customers

Services and Requests

Head & sub offices

Repository management

Report management

Support management

Chief Hydrographer

Phone number
Enter Old Mobile number

Enter OTP

New Mobile Number
Enter New mobile Number

Update profile

Edit mobile number Page attributes

S.No	Attribute	Description
	designation	Display the Name of user
	Mobile number	Field to enter old mobile number
	OTP	Field to enter the OTP received
	Enter New Mobile number	Field to enter New mobile Number
	Update profile	Button to save the changes and update the mobile number

4.2.5 customers

The customer data will be managed by the Super Admin in this module. Super admin can view and manage all customers from this page. Users can see all the service requested / ongoing services and the customer's details in the list page. Users can view date, first name, last name, mobile number, email id , type of firm . User can click the name to open the individual details of the selected customer

Users can also add new customers by clicking on the add new user button, once the user clicks on the button , the system will direct the user to add a new customer page.

Customer master

The screenshot shows a web-based application interface for managing customers. On the left, there is a sidebar with a profile picture of James (Super Admin) and several menu options: Dashboard, User Role Management, Customers (which is highlighted in blue), Services And Requests, Head And Offices, Repository Management, Report Management, and Support Management. The main content area is titled 'Customers' and contains a table titled 'Customer Table'. The table has columns for SL NO, DATE, NAME, MOBILE NO, EMAIL ID, and TYPE OF FIRM. There are 6 entries listed:

SL NO	DATE	NAME	MOBILE NO	EMAIL ID	TYPE OF FIRM
1	22-09-2022	Terry	7394482120	a.terry@datatables.net	Private
2	22-09-2022	Ramot	7394482120	a.ramot@datatables.net	Private
3	22-09-2022	Chloe	7394482120	b.chloe@datatables.net	Public
4	22-09-2022	Wagner	7394482120	b.wagner@datatables.net	Private
5	22-09-2022	Noah	7394482120	b.noah@datatables.net	Public
6	22-09-2022	Watson	7394482120	c.watson@datatables.net	Public

At the bottom of the table, it says 'Showing 1 to 6 of 50 entries' and has navigation buttons for 'Previous', 'Next', and page numbers 1, 2, 3, 4, 5.

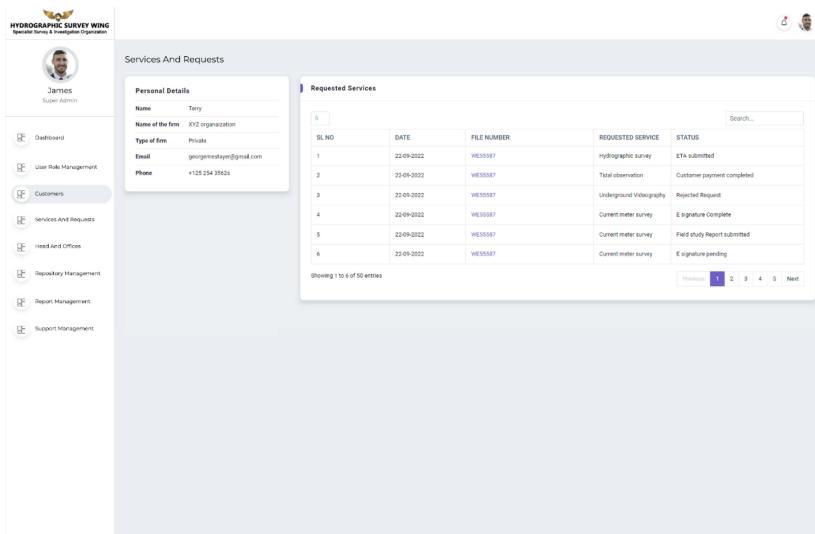
Masters Attributes

S.No	Attribute	Description
	Add New	Click to add a new customer
	List Table	Display the list of customers Columns: date, Customer Name, last name, mobile number, email id, type of firm
	Filter	Filter the list based on the selected filter

4.2.6 Customer Details Page

Users can access the individual details of each customer. Once the user selects a customer name from the list, the system will land the user to the individual page of the selected customer. Super admin (user) can view the following details

1. Table content
 - a. Date - display the date of the request received
 - b. File number - display the file number of requested services
 - c. Requested services - display the requested services
 - d. Status - status of each services will be displayed
2. Users basic details will be displayed
 - a. Name , name of the firm, type of firm, email, phone number will be displayed.



Customer individual page details

S.No	Attribute	Description
	Basic details	Displays customer registration details
	List Table	Display the list of customers requested services Columns: date, Customer Name, last name, mobile number, email id, type of firm
	timeline	Button to access the customers timeline page

4.2.7 User role management -roles

The System Admin can manage the roles in this module. The user roles are created and mapped to an organization. The permissions are mapped to the respective role types in the User roles page. Roles are mapped with role types. We are mapping each user's role based on role types, so that file/documents transferring in the internal system can be easily maintained. The user roles are also mapped with the organization hierarchy and department. The basic role types include Super Admin, Admin, Surveyor, assistant surveyor, accounts officer.

1. Page content

- a. Will display all the roles in table view , role name, role type, status, actions will be displayed.

SL NO	ROLE	ROLE TYPE	STATUS	ACTIONS
1	Super Admin	Super Admin	Active	<button>Edit</button> <button>Delete</button>
2	Super Admin	Super Admin	Active	<button>Edit</button> <button>Delete</button>
3	Admin	Admin	Inactive	<button>Edit</button> <button>Delete</button>
4	Admin	Admin	Active	<button>Edit</button> <button>Delete</button>
5	Surveyor	Surveyor	Inactive	<button>Edit</button> <button>Delete</button>
6	Surveyor	Surveyor	Active	<button>Edit</button> <button>Delete</button>

Roles list attributes

S.No	Attribute	Description
	Add New	Click to add a new role
	Table content (SLI no)	Auto increment table number
	Role Name	Will display the role names
	Role Type	Will display the role type names
	Status	Will display if active or not active (toggle function to make active or not active)
	Action - Edit	Edit - button to edit the role
	Action - Delete	Delete - button to delete that selected role

4.2.8 User role management - Add new role

Users can add a new role by clicking the role type. If the user wants to add a new role , can access the add new role page. Users need to fill in the details and can select the permission they can give to the adding role. Roles can be mapped with role type.

The screenshot displays the 'User Role Management - Add new role' interface. At the top, there's a header with the HYDROGRAPHIC SURVEY WING logo and a user profile for James (Super Admin). The main area has a 'Roles' section with input fields for 'Role' and 'Role Type'. Below this is a 'Permissions' section with a table showing checkboxes for various modules: CUSTOMER, SERVICE AND REQUESTS, HEAD & SUB OFFICES, REPOSITORY MANAGEMENT, and REPORT MANAGEMENT, under three columns: VIEW, EDIT, and DELETE. At the bottom right are 'Save' and 'Cancel' buttons.

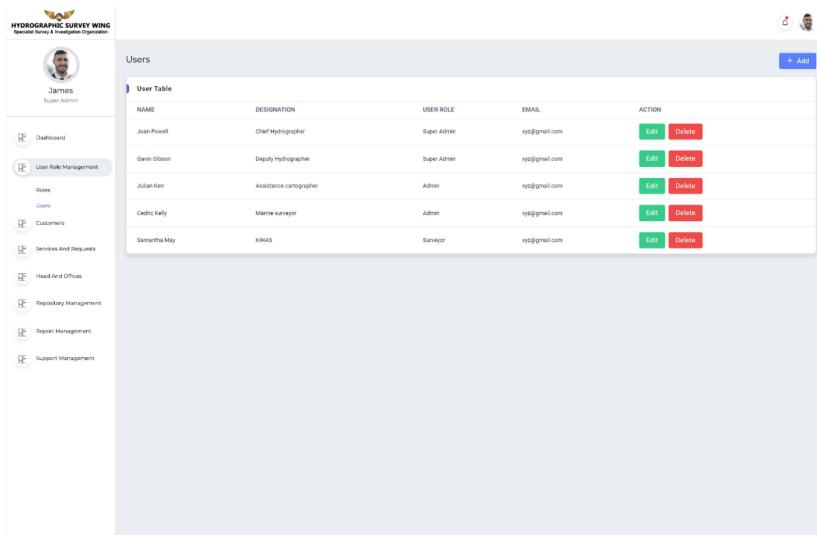
List attributes

S.No	Attribute	Description
	Name field	Enter role name
	Role type	Select which role type needed to map with this role
	List Table	Display the list of permission of each module (toggle option)
	cancel	Cancel button for clear the field and go back roles page
	save	Save button will save the added role to the roles list

4.2.9 User Role Management - Users

The System Admin can manage the users in this module. The users are created and mapped with the user role. The user will get the privileges of the role based on the hierarchy and department they're mapped to. When the user is created the first time the password is auto-generated by the system and the user can login with the credentials.

1. Each user will be mapped with the following
 - a. Institution
 - b. Role type
2. Table will display the following details
 - a. Name, designation, user role, email, action
 - b. Action - edit , delete



The screenshot shows a web-based application interface for managing users. At the top left is the logo 'HYDROGRAPHIC SURVEY WING' with the tagline 'Survey, Data & Maritime Operations'. On the top right is a search bar and a user profile icon. The main header is 'Users'. To the left of the main content area is a sidebar with a user profile for 'James Super Admin' and a navigation menu with items like 'Dashboard', 'User Role Management' (which is currently selected), 'Roles', 'Users', 'Customers', 'Services And Requests', 'Head And Offices', 'Repository Management', 'Report Management', and 'Support Management'. The main content area contains a table titled 'User Table' with the following columns: NAME, DESIGNATION, USER ROLE, EMAIL, and ACTION. The table lists five users:

NAME	DESIGNATION	USER ROLE	EMAIL	ACTION
Joan Powell	Chief Hydrographer	Super Admin	xp@gmail.com	+ Edit Delete
Gavin Gibson	Deputy Hydrographer	Super Admin	xp@gmail.com	+ Edit Delete
Julian Kerr	Assistant Cartographer	Admin	xp@gmail.com	+ Edit Delete
Cedric Kelly	Marine Surveyor	Admin	xp@gmail.com	+ Edit Delete
Samantha May	KOMAS	Surveyor	xp@gmail.com	+ Edit Delete

USERS List Attributes

S.No	Attribute	Description
	Add new	Add new user
	List Table	Display the list of users Columns: Select, Name, designation, user role, email
	Edit	Display the edit page of the selected role
	Delete	Click to delete the role

4.2.10 Add New User (changes)

Admin can manage the users , admin can add a new user and map their roles to avail the permission. Once the user is created.When the user clicks on Add new button , System will land the user to a page which the user needs to fill in the following details .

1. Page contents
 - a. Avatar
 - b. name (text field to enter the name)
 - c. phone number (text field to enter the mobile number)
 - d. email (text field to enter the email)
 - e. designation (text field to enter designation CH, DH , etc)
 - f. avatar upload (upload image from device function)
 - g. choose role (select from list option) once the user is mapped with a role . the user will only be allowed to access those pages which are mapped to the role.
 - h. Institution : user can select from the list.
 - i. Parent : user can select the parent user from the list - the list will be based on two conditions:
 - i. Institution
 - ii. Role
 - j. User needs to select an institution . once the institution is selected the user will be mapped, once the user selects the role , the higher hierarchy under the institution will be displayed while selecting the parent user.

USERS Add NEW USER list Attributes

	Name	Field to enter the user name.
	Phone number	Field to enter the user mobile number.
	Add photo /upload	Upload function to add photo
	designation	Field to enter the designation
	Email	Field to enter email id
	Designation	Field to enter designation
	Choose role	Select from list
	Institutiton	Select from the list
	Parent user	Select from the lsit .
	cancel	Button to go back to user list
	save	Button to add the user in the system.

4.2.11 Add New Customer (changes)

Super Admin can add new customers from their login. If the customer is present in head office admin can himself add the customer (register). User can add new customer from the admin panel. If the customer is in person present, User can add the customer from this panel..

1. Add customer page details are following
 - a. first name – text field user need to enter customers first name
 - b. last name – text field user need to enter customers last name
 - c. name of the firm – text field user need to enter customers name of firm
 - d. type of the firm – select from option field that user need to enter customers type of firm
 - e. email id – text field users need to enter customers' email id.
 - f. mobile number – text field users need to enter customers mobile number.
 - g. valid proof – text field users need to enter customers with any legal valid proof.
 - h. password – text field users need to enter a customer created password for their account.
 - i. confirm password – text field users need to re-enter the password that customer gave.
 - j. authentication authority – this field will be automatically populated with the name of the -person logged currently in the system.
 - k. submit application – button will allow the user to create the customer account.

The screenshot shows the 'Add Customer' form in the Estrado Admin Panel. The form is titled 'Add Customer' and contains the following fields:

- Name* (with 'First name' and 'Last name' sub-fields)
- Name of Firm*
- Email address*
- Country* (dropdown menu)
- Mobile Number*
- OTP*
- Valid Proof*
- Password*
- Confirm Password*
- Authentication Authority* (with a note: 'Auto-populate the loggedin admin unique Id')

At the bottom of the form are 'Send OTP' and 'Verify' buttons, and 'Save' and 'Cancel' buttons.

Registration page attributes

S.No	Attribute	Description
	First name	Field to enter name
	Last name	Field to enter name
	Name of the firm	Filed to enter the firm name
	Type of the firm	Select from the list PUBLIC or PRIVATE

S.No	Attribute	Description
	First name	Field to enter name
	Email id	Field to enter email id
	Mobile number	Field to enter mobile number
	Valid proof	Enter the valid proof
	password	Field to enter / create password
	Confirm password	Re-entered the password entered above. Should be match
	Authentication authority	Auto populate the logged in persons name or id number

4.2.12 Service master list page

Users can add new services to the list. Users can create new services and avail to the customers. User adding service will be directly stored in the respective database and will be added in customers module.

The screenshot shows a user interface for managing services. On the left is a sidebar with a user profile for 'James Super Admin' and links to various modules: Dashboard, User Role Management, Customers, Services And Requests, Head And Offices, Repository Management, Report Management, Support Management, and Service Master (which is highlighted). The main area is titled 'Service Master' and contains a table titled 'Service List'. The table has columns for SL NO, SERVICE NAME, DATE, and ACTIONS (Edit and Delete). There are 6 entries listed:

SL NO	SERVICE NAME	DATE	ACTIONS
1	Hydrographic Survey	2013/04/21	Edit Delete
2	Dredging Survey	20017/10/15	Edit Delete
3	Topographic Survey	2018/03/12	Edit Delete
4	Bottom Sampling	2013/07/14	Edit Delete
5	Bottom Sampling	2015/05/03	Edit Delete
6	Bottom Sampling	2013/9/7	Edit Delete

Below the table, it says 'Showing 1 to 6 of 50 entries' and there is a pagination control with buttons for Previous, 1, 2, 3, 4, 5, and Next.

S.No	Attribute	Description
	Table	Display Sl no, service name, date, action
	Edit	Button to edit the service
	Delete	Button to delete the service
	Add	Button to add new service

4.2.13 Service master - Add new service (changes)

Users can add new services to the list. Users can create new services and avail to the customers. User adding service will be directly stored in the respective database and will be added in customers module.

Add new service page attributes

S.No	Attribute	Description
	Name of the service	Field to enter name
	Service description	Field to enter description of the service
	Terms and conditions	Field to enter the terms and conditions
	image	Image upload option
	Save	Button to add the service to the list
	cancel	Button to cancel the page.

4.2.14 Service requests

The Super Admin can manage the service requests which will be made available in the webpage.

The packages module has the following features. This page will view all the accepted or on progressing services requests. Each various stages of a service request will be reflected here. Users can direct to the individual page of each customer's service by clicking on the file number. Users can status-wise can filter the table.

1. Table contents

- a. filters sub office wise
- b. Monthly wise
- c. search function – user can search file number or customer name, system will get the result.
- d. ongoing service will be displayed in table format

2. Body table Content

- a. Date - will display the date of the last activity that happened.
- b. Name – will display the customer name
- c. File number – will display the customer file number of the accepted service
- d. Users can view all the services in table view and can access the individual details by clicking the file number of the particular customer.
- e. Email id – will display the customers email id
- f. Requested service – will display the name if the service accepted or under progressing
- g. Status – will display the last activity that happened .

Service and request page

The screenshot shows a web-based application interface for managing service requests. At the top, there is a header bar with the HYDROGRAPHIC SURVEY WING logo and a sub-header 'Operational Survey & Maritime Operations'. Below the header, a navigation sidebar on the left includes links for Dashboard, User Role Management, Customers, Services And Requests (which is currently selected), New Service Request, Delegated services, E Signature, Head And Offices, Repository Management, Report Management, and Support Management. The main content area is titled 'Services And Requests' and contains a sub-section 'Requested Services'. A table displays six entries of service requests:

SL.NO	NAME	FILE NUMBER	EMAIL ID	REQUESTED SERVICE	STATUS
1	Terry	WE55587	xyz@gmail.com	Hydrographic survey	ETA submitted
2	Ramos	WE55587	xyz@gmail.com	Total observation	Customer payment completed
3	Globe	WE55587	xyz@gmail.com	Underground Videography	Rejected Request
4	Wagner	WE55587	xyz@gmail.com	Current meter survey	E signature Complete
5	Nash	WE55587	xyz@gmail.com	Current meter survey	Field study Report submitted
6	Watson	WE55587	xyz@gmail.com	Current meter survey	E signature pending

At the bottom of the table, it says 'Showing 1 to 6 of 50 entries'. To the right of the table, there are buttons for 'Previous', 'Next', and page numbers 1, 2, 3, 4, 5.

Service list page attributes

S.No	Attribute	Description
	date	Date of the requests accepted
	name	Name of the accepted customer
	File number	File number of the service request to track
	email	Customer email id
	Requested service	Name of the progressing requested services
	status	Current status of the progressing services
	filter	Filtering list based on month, sub office
	Search bar	Search bar to search service
	New service requests	Click to open the new service requests

4.2.15 New Service Requests

New service requests - button will allow the user to view and manage all newly received service requests. User can view and manage all the service requests that came from customers. Customers can send service requests from their account and all the requests will be displayed in list format in the super admin panel. Super admin can only accept or reject the requests. All the service requests will be displayed in table format.

1. Table content

- a. Date – date of the requests received
- b. First name – name of the customer who submitted the requests
- c. File number – file number of the requested service. Users can click the file number to go to the details page or individual details page of the customer. Once the user clicks on the file number, the system will direct the user to the details page of the selected customers.
- d. Mobile number – will display the customer mobile number
- e. Email id – will display the customers email id
- f. Requested service – will display the name of the service customer requested

SL NO	DATE	NAME	FILE NO	MOBILE NO	E-MAIL	REQUESTED SERVICE
1	22-09-2022	Terry	20109421	7584682320	a.terry@datatables.net	Hydrographic survey
2	22-09-2022	Ramos	200173015	7584682320	a.ramos@datatables.net	Total observation
3	22-09-2022	Chloe	20100312	7584682320	b.chloe@datatables.net	Underground videography
4	22-09-2022	Wagner	20130714	7584682320	b.wagner@datatables.net	Current meter survey

New service requests attribute

S.No	Attribute	Description
	date	Date of the requests accepted
	name	Name of the accepted customer
	File number	File number of the service request to track
	email	Customer email id
	Mobile number	Customer registered mobile number
	Requested service	Name of the requested service

4.2.16 Service Request - Submitted Form Page

Super admin can view the service request received from customers. When a customer submitted a service request, it will be listed in the new service request page. Once the user clicks on a particular file number, the customer submitted form page will be visible for user verification.

1. Page content

- a. Name
- b. Name of department

S.No	Attribute	Description
	name	Name of the customer requested
	designation	Designation of the customer
	Name of the department	Type of the department (private or public undertakings)
	Name of the firm	Name of the firm
	purpose	Description of the purpose of this request
	Requested service from HSW checklist	Not clarified
	Next page	Button to move to next page

S.No	Attribute

	state	Customer state location
	district	Customer district location
	Name of place	Customer place/ location name
	Survey area location	Survey area location (data type not confirmed)
	Next page	Button to move to next page

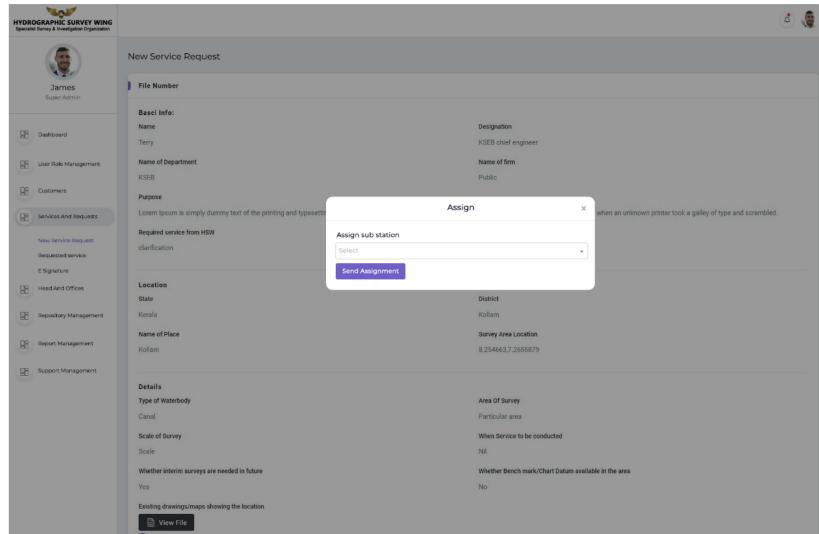
S.No	Attribute	Description
	Type of waterbody	Customer selected type of water body
	Area of survey	Customer selected area of survey
	Scale of survey	Data type ot clarified
	When service to be conducted	Data type not clarified
	Whether interim survey needed in future	Customer selected from option
	Whether benchmark / chart datum in the area	Customer selected form option
	Existing drawings /maps showing location	Customer added docs/files
	verify	Verify checklist button to mark the docs is verified
	Accept and send customer notification	Accept button to accept the request and send customer the notification
	Reject open send notification	Reject open button to send customers the request rejected with remarks added .
	Reject closed send notification	Reject button to send customer the request rejected and closed , no more interactions will happen after this.

4.2.17 Accept and Send Notification

Super Admin (user) can accept the request and send customer notification .Once the user clicks on accept and send notification button , the system will allow the user to send customer notification and the system will allow the user to assign the sub office. Users can select the sub office from the list. the user can select an office and click the button SEND ASSIGNMENT to assign the office and send them notification.

1. Assigning page content

- a. Select the sub office from the list
- b. Send assignment - button will allow the user to send the assignment.



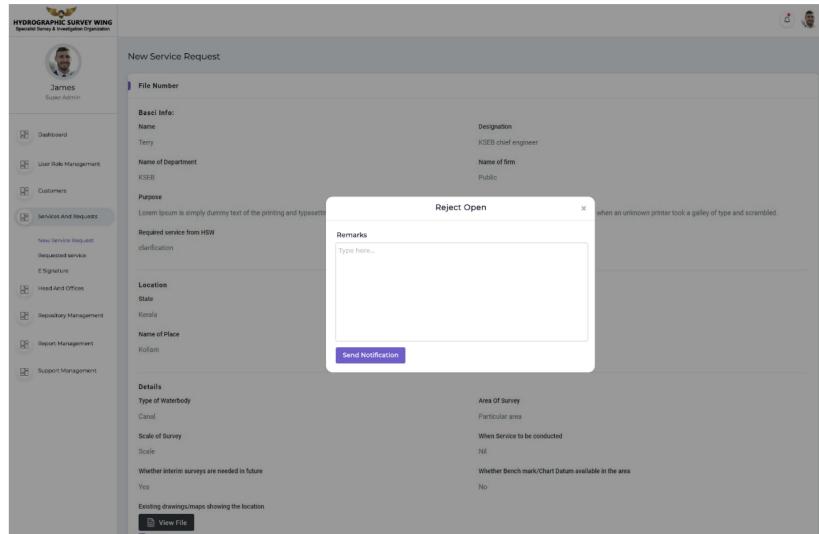
Accept and send notification page attributes

S.No	Attribute	Description
	Customer file number	Customer file number will be displayed
	Requested service	Customer requested service name will display
	Assign sub station	Select sub station from list to assign the service
	Send assignment	Send button to send notification and assignment.

4.2.18 Reject Open and Send Notification (changes)

Once the user clicks on the reject open and send notification button, the system will land the user to add remarks page. Once the user selected the reject with open button , system will allow the user to add remarks and send notification

1. Reject open page content
 - a. Remarks - text area to add remarks
 - b. Send notification - button to send the notification including the remarks to the customer.



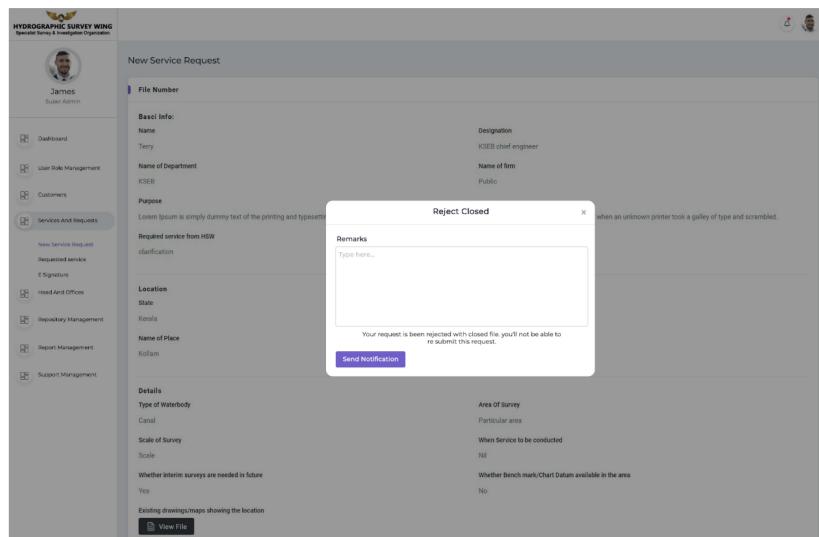
Reject open send notification page attributes

S.No	Attribute	Description
	Customer file number	Display the customer file number
	First name	Display customer first name
	Last name	Display customer last name
	Requested services	Display customer requested service name
	remarks	Text Field to add the remarks (including section to mark - Basic details, location, Details - select focus area option).
	Send notification to customer registered email id.	Send button to send notification . linked with confirmation page

4.2.19 Reject Closed and Send Notification

Users can reject the request by entirely closing the transactions. Once the user clicks on reject with a closed button, the system will direct the user to add a remarks page.

1. Reject with closed page contents
 - a. Remarks - text field for user to add remarks
 - b. Static remarks will be displayed apart from user added remarks
 - c. Send notification - button will allow the user to send the remarks and notify the customer.



Reject closed send notification page attributes

S.No	Attribute	Description
	Customer file number	Display the customer file number
	First name	Display customer first name
	Last name	Display customer last name
	Requested services	Display customer requested service name
	remarks	Text Field to add the remarks
	File closed notification	Pre added text field about file reject closed (customer acknowledgement message)
	Send notification to customer registered email id.	Send button to send notification . linked with confirmation page

4.2.20 DH verified field study report with ETA (changes)

Users will receive the field study report with ETA added by the admin . the user can see the details page by clicking the file number of the particular file number. Once the user clicks , the system will display the user report created by the surveyor and ETA added by the admin(sub office). Users can verify the report and assess the draftsman or field assistant for creating invoice. Users can select the draftsman / field assistant from the list to whom they want to assign the invoice preparation assignment. Once the user selects a particular user and clicks the send button will notify the customer. **Status changes.**

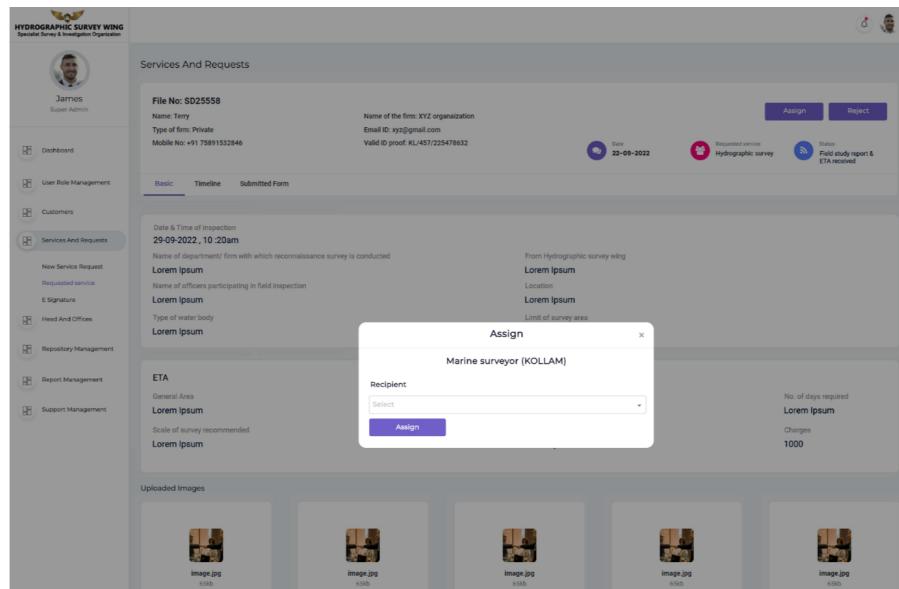
The screenshot displays a software application interface for managing survey requests. On the left, a sidebar menu lists various modules: Dashboard, User Role Management, Customers, Services And Requests (selected), New Service Request, Requested service, E Signature, Head And Offices, Repository Management, Report Management, and Support Management. The main content area shows a report for File No: SD25558. At the top, it lists basic information: Name: Terry, Type of firm: Private, Mobile No: +91 78991552846, Name of the firm: XYZ organization, Email ID: xyz@gmail.com, Valid ID proof: KL457/225478832, and two status buttons: Assign and Reject. Below this, there are tabs for Basic, Timeline, and Submitted Form, with Basic selected. The Basic tab contains sections for Date & Time of inspection (29-09-2022, 10:20am), Name of department/ firm with which reconnaissance survey is conducted (Lorem ipsum), Name of officers participating in field inspection (Lorem ipsum), Type of water body (Lorem ipsum), and From Hydrographic survey wing (Lorem ipsum). The Timeline tab shows a timeline with a single entry: 22-09-2022, Requested service (Hydrographic survey) and Status (Field study report & ETA received). The Submitted Form tab contains sections for ETA (General Area: Lorem ipsum, Location: Lorem ipsum, Type of survey: Lorem ipsum, No. of days required: Lorem ipsum, Charges: 1000), and sections for Uploaded Images (five thumbnail images labeled image.jpg) and Uploaded Documents (five empty document slots).

Report page attributes

S.No	Attribute	Description
	report	Will display the report
	assign	Button to assign the field assistant or draftsman
	revoke	Button to reject the report back to admin
	Reject	Reject the service entirely and send customer notification.

4.2.21 Assign the draftsman or field assistant for invoice preparation

Users can select the field assistant or draftsman to send the invoice preparation assignment. Once the user select the receipt and clicks the button Send will send the assignment and user will be notified



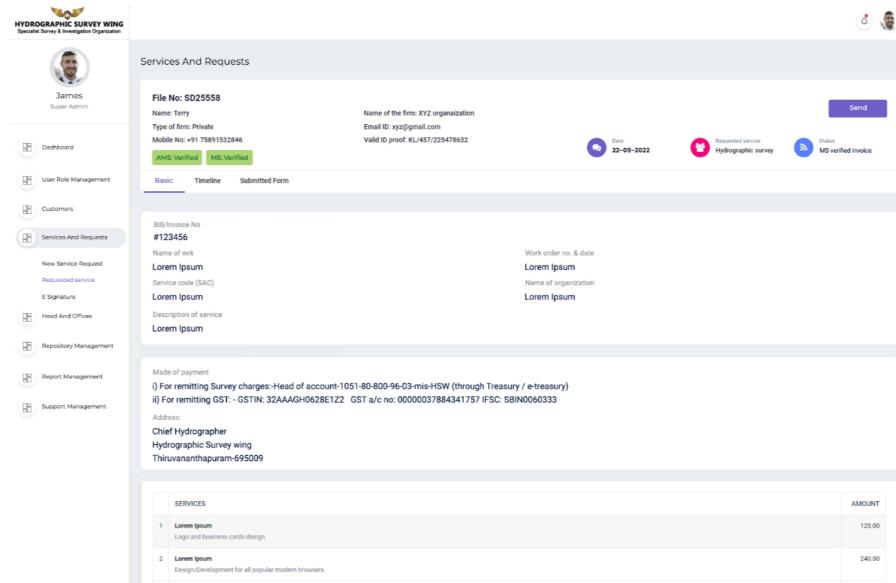
Page attributes

S.No	Attribute	Description
	Name of the sub office	Will display the sub office name
	Recipient	Select from the list
	assign	Button to send the assignment

4.2.22 Invoice verified by DH

Once the marine surveyor (admin) verifies the invoice , the user will receive the notification and once the user opens the page will allow the user to send the invoice to the customer.

Users need to send the invoice as a proforma invoice in the initial stage for customer acceptance. Users can select the invoice as proforma before sending and will be sent as the proforma invoice to the customer. Once the customers accept the proforma , CH (super admin) will be notified as customer accepted proforma . then the user can send the original invoice . if the customer rejects the proforma invoice, will cancel the service entirely.

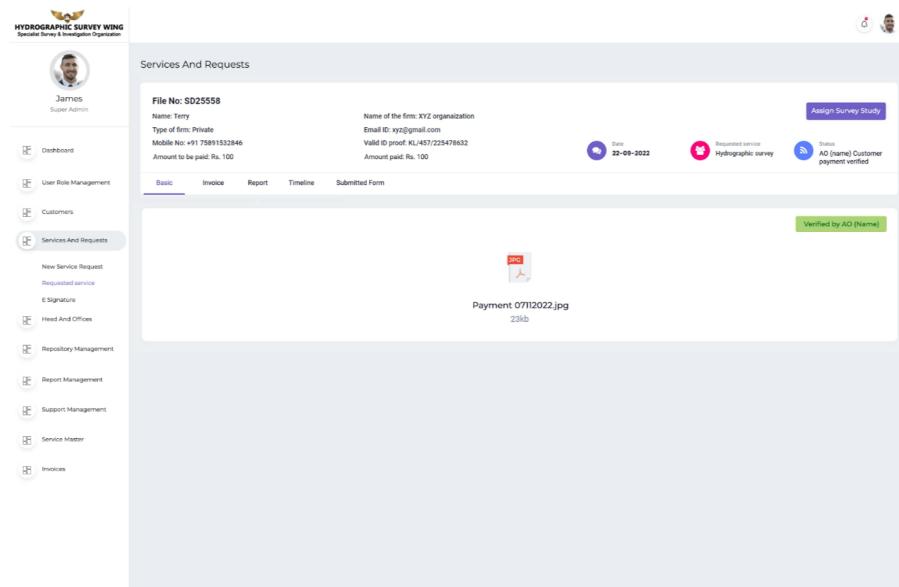


Page attributes

S.No	Attribute	Description
	Invoice details	Will display invoice details
	Verified status	A. cartographer and AMS verified status will display
	Send	Button to send the invoice to the customer.
	Assign survey study	Assign the survey study without sending the invoice to the customer at the same time the accounts office will be notified.

4.2.23 DH verified the receipt

Once the accounts officer verified the customer submitted the receipt , the user will be notified and can view the status . Once the status is verified that the accounts officer verified the payment receipt , users can initiate the survey study . users can assign a particular sub office to conduct the survey study.

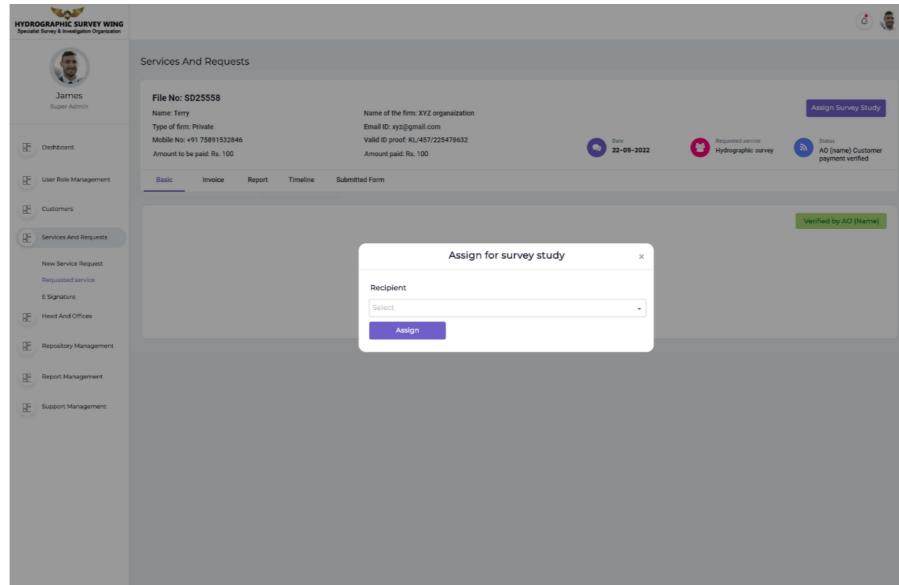


Page attributes

S.No	Attribute	Description
	Verified status	AO verified status will display
	Assign survey study	Button to provide the sub office list to assign survey study assignment

4.2.24 DH verified the invoice - assign the survey study page (change)

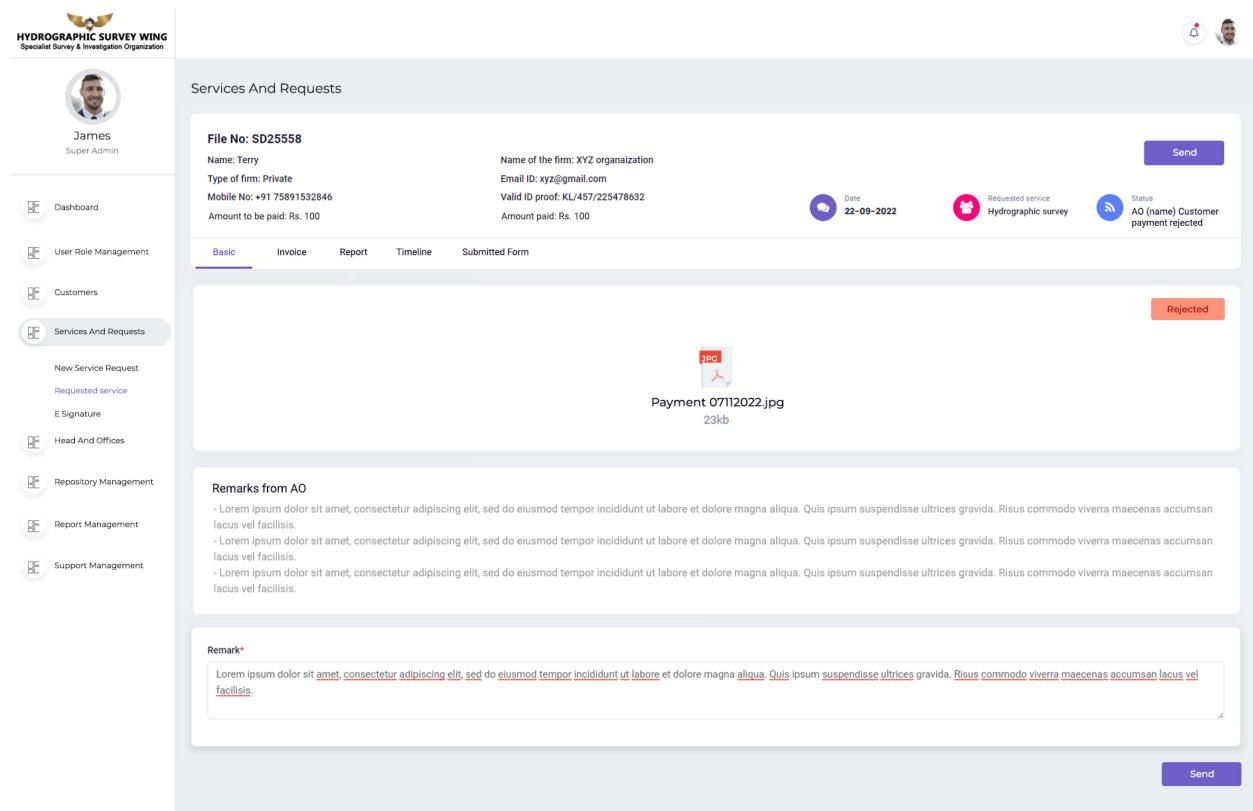
This page will allow the user to select the sub office which they want to send the survey study assignment to. Once the user select the recipient and clicks the assign button will send the recipient the assigned notification



S.No	Attribute	Description
	Recipient	Sub office list to select
	assign	Button to send survey study assignment
	Date field	Field to select a date to which the surveyor needs to conduct the survey.

4.2.25 Account officer rejected the payment receipt

Once the accounts officer rejected the customer's submitted receipt. Users can notify the customer by adding the remarks. Once the user added remarks and can send the customer notification about the user.



Page attributes

S.No	Attribute	Description
	Remarks	Super admin/chief hydrographer added remarks will be display
	Send	Button to send survey the remarks to customer

4.2.26 DH verified survey report

Once the survey study report was verified by the marine surveyor (admin) . the user will be notified and can send the report to the draftsman in the head office . Once the draftsman is verified will be transferred to higher hierarchy until DH. once the DH verified teh report , CH can send the report to draftsman for E signature process

The screenshot shows a web-based application interface for managing survey requests. On the left, there's a sidebar with navigation links: Dashboard, User Role Management, Customers, Services And Requests (which is currently selected), New Service Request, Requested service, E-signature, Head And Office, Requests Management, Report Management, and Support Management. The main content area has tabs for Basic, Timeline, and Submitted Form. Under Basic, it shows File No: 022558, Name: XYZ organization, Type of firm: Private, Mobile No: +91 75891532846, and Valid ID proof: KL/HGT/23478902. It also displays the date 22-09-2022, status as 'New', and service type as 'Hydrographic survey'. The Timeline tab shows a single entry for 22-09-2022. The Submitted Form tab contains sections for Data & Time of Inspection (29-09-2022, 10:30am), which specifies the surveyor's firm, officers participating, water body, location, and survey area. There's also an ETA section with fields for general area, location, type of survey, and survey duration. The bottom part of the page shows five uploaded images with placeholder text 'image.jpg'.

Page attributes :

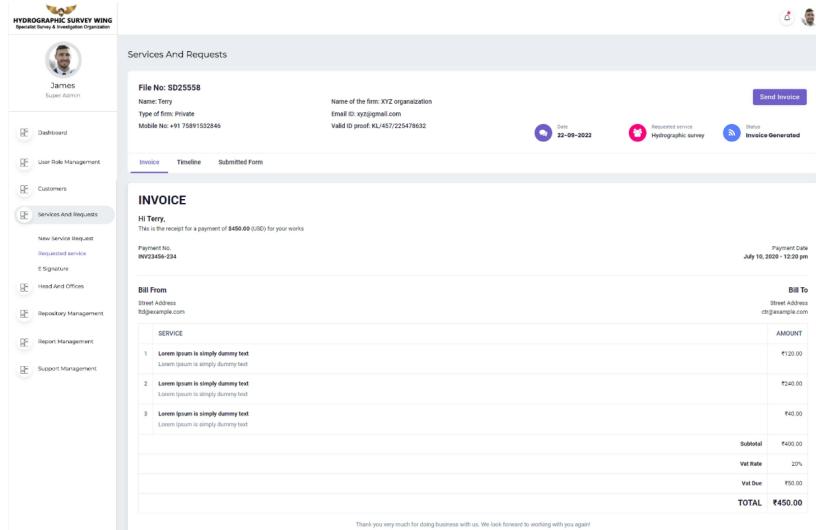
S.No	Attribute	Description
	Basic details	Customer basic details (registered time data) will display
	Report	Will display the report and docs attached.
	Verify	Button to send the report to draftsman- once the hierarchy is completely verified , CH can mark verified . once the CH user verified . Draftsman will be allowed to generate E signature to the report.
	Reject	Button to reject the report , and will notify the surveyor

4.2.27 Service Individual Details Page

Users can view and manage the individual service details of a customer by clicking the file number. Once the user clicks on a file number, the system will direct the user to the individual details page.

1. Page contents

- Basic details – will display the basic details of the customer. First name, last name, name of the firm, type of the firm, email, mobile number, valid proof
- Activity page (name will be varying) – button to access the activity area of the service request.activity area for (Super Admin and Admin users) area where the user can trigger their pending actions. Sending invoices, verifying the invoice receipt.
- Timeline – button to access the log page of the selected progressing service.
- Submitted form – button to access the form that customer submitted for this particular service
- Service last activity happened date , name of the service and status will be displayed.



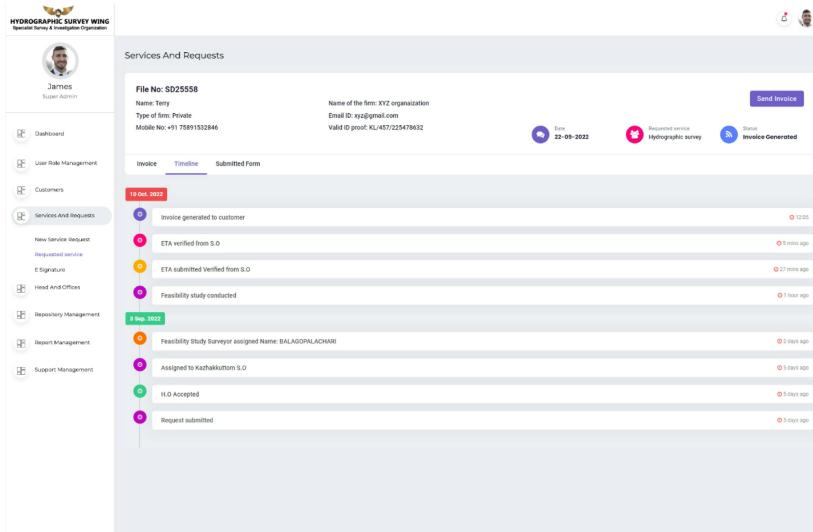
Service individual details page attributes

S.No	Attribute	Description
	Basic details	Customer basic details (registered time data) will display
	Selected service quick view [list]	Date , requested service name , status willdisplay in
	Actionable area	Invoice , submitted reports will display here,
	Send invoice to customer registered mail id	Send button (actionable button)

	Timeline	Button linked with time line of this service
	Submitted form	Button linked to submitted form for this service

4.2.28 Service Individual Details Page - TimeLine

Timeline page will display the entire activity happening in a particular service. Once a service is accepted it will be captured until the service is completed. Super Admin can easily become informative about that particular service by looking into the timeline.



S.No	Attribute	Description
	Selected service quick view [list]	Date , requested service name , status will display
	Time log	Record / history of each activity done in this service

4.2.29 Service Individual Details Page - Submitted Form

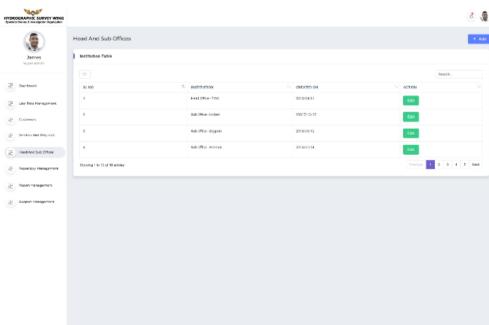
Users can see the customer submitted form by clicking the submitted form tab . For each service, the customer needs to submit a form.once the form is submitted will be displayed and can be referred anytime.

The screenshot shows a user interface for managing service requests. On the left, there's a sidebar with 'Customers', 'Services And Requests' (which is selected), 'New Service Request', 'Requested service', and 'Support Management'. The main area has tabs for 'Basic' and 'Submitted Form' (which is active). Below these are sections for 'File Number', 'Basic Info', 'Location', and 'Survey Area Location'. The 'Basic Info' section contains fields for Name (Terry), Designation (KSEB chief engineer), Name of Department (KSEB), Name of firm (Public), Type of organization (NGO), Purpose (Lorem Ipsum), and Brief description of type of work (Lorem Ipsum). The 'Location' section shows State (Kerala) and District (Kollam). The 'Survey Area Location' section displays coordinates (8.254663, 7.2655879).

S.No	Attribute	Description
	Submitted form report	Customer submitted form for this service will be displayed
	File / document	Customer submitted file /docs also will display

4.2.30 Sub Office List Page

Users can view and manage the sub office. Users can add a new sub office by clicking the add new button. Users can get into the details page once the user clicks on the name of the sub office.

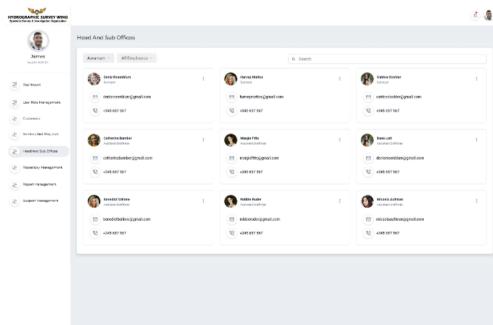


Sub office list page attributes

S.No	Attribute	Description
	institution	Display name of each institutions added
	Created on	Display Date of the institution created
	actions	Edit button to access the edit page of the institution
	Hyperlink in the name	Will land the user to its details page
	Add new	Button to add new institution

4.2.31 Sub Office Individual Details Page

Users can view and access the sub office page. Once the user clicks a particular sub office from the table, the system will display the users mapped under the particular sub office. Marine office, surveyor, assistant surveyors will be displayed. This will be the settings used in transferring the report and documents inside the system

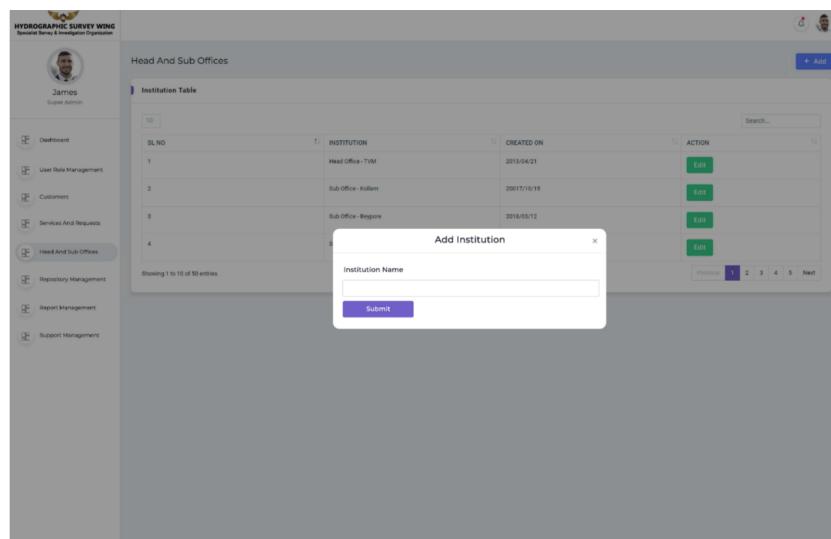


Sub office individual details page

S.No	Attribute	Description
	Name	Name of the sub office will display
	Basic details space	Basic details of the sub office will display
	Administrative details	Details of surveyors and assistant surveyors will display.

4.2.32 Sub Office - Add new

Users can add a new sub office by clicking the add new button. System will land the user to pop up where the user can add the name of the sub office . once the user clicks the save button will create the sub office and will be displayed in the table. Users can be mapped to the sub office from the users module. If a user is mapped to the sub office will be displayed inside the sub office details page.



Add new sub office page attributes

S.No	Attribute	Description
	Name	Text field to enter the creating sub office name
	save	Button to add the sub office in the system .

4.2.33 Repository Management

Super Admin can access the file repository where all the e signatures given will be stored. Chief hydrographer, deputy hydrographer, and cartographer are only allowed to access the repository.once the service request for chart or previous data received , user can access the repository/ archive to access the file.

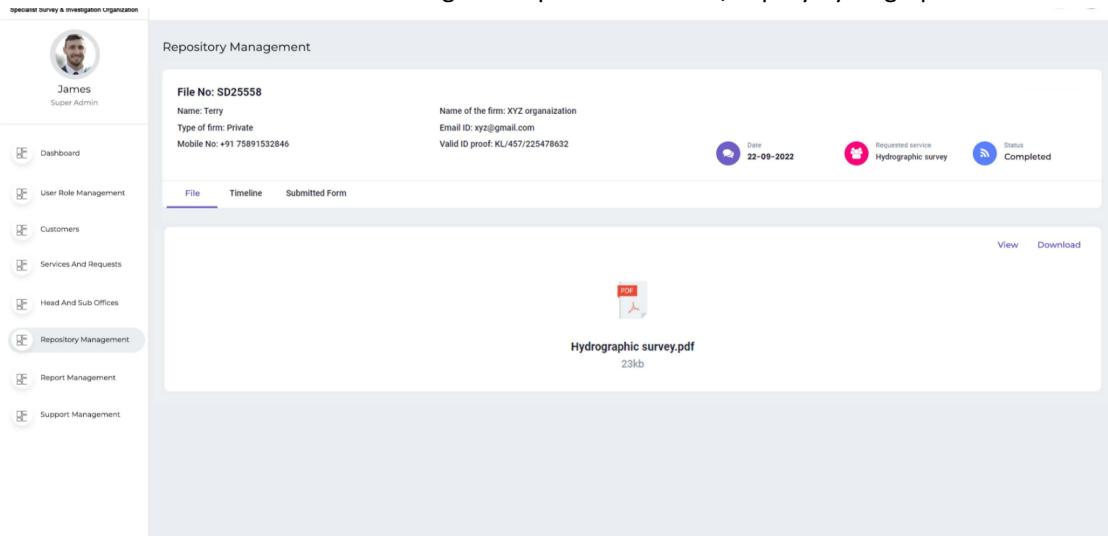
SL NO	DATE	NAME	FILE NO	REPOSITORY
1	22-09-2022	Terry	20130421	
2	22-09-2022	Ramos	200171015	
3	22-09-2022	Chloe	20180312	
4	22-09-2022	Wagner	20190714	
5	22-09-2022	Nash	20150503	
6	22-09-2022	Watson	201397	
7	22-09-2022	John	2011125	

Repository management list attributes

S.No	Attribute	Description
	date	Date of the file is added to the repository
	First name	First name of the customer
	Last name	Last name of the customer
	File number	File number of the service request
	Repository [actionable area]	Final draft report file /PDF.

4.2.34 Repository Management Individual Details Page

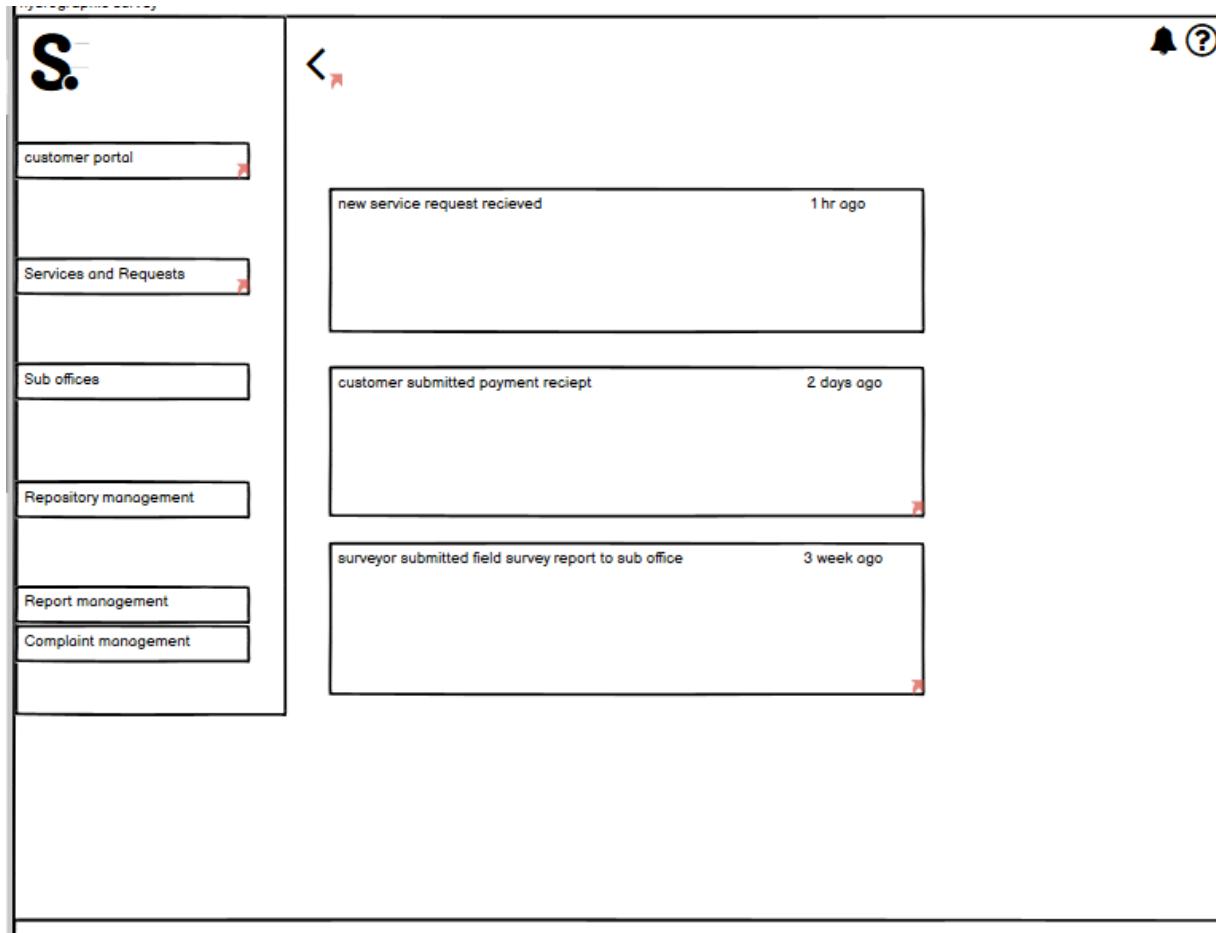
Once the user selects a particular customer repository will display the signature file of that particular customer. User can download the file if having the request from chief /deputy hydrographer



Repository Individual details page attributes

S.No	Attribute	Description
	Basic details	Customer registration details will display
	List	Selected service name date and status will display
	File / document	Final draft in repository will display
	save	Button to go back to the repository list.
	Timeline	Time log page (mentioned in service individual details page)
	Submitted form	Customer submitted form (mentioned in service individual details page)

4.2.35 Notification Page



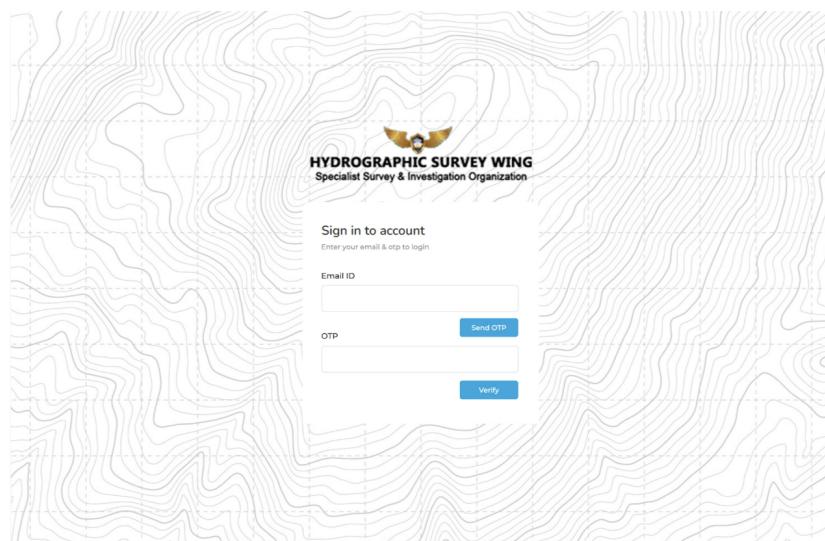
Notification page list attributes

S.No	Attribute	Description
	List	Tile view display of received notification
	text	Latest activity done will be displayed (in words)
	time	Time of the notification received will display

5 Admin Panel

5.1 Admin Login

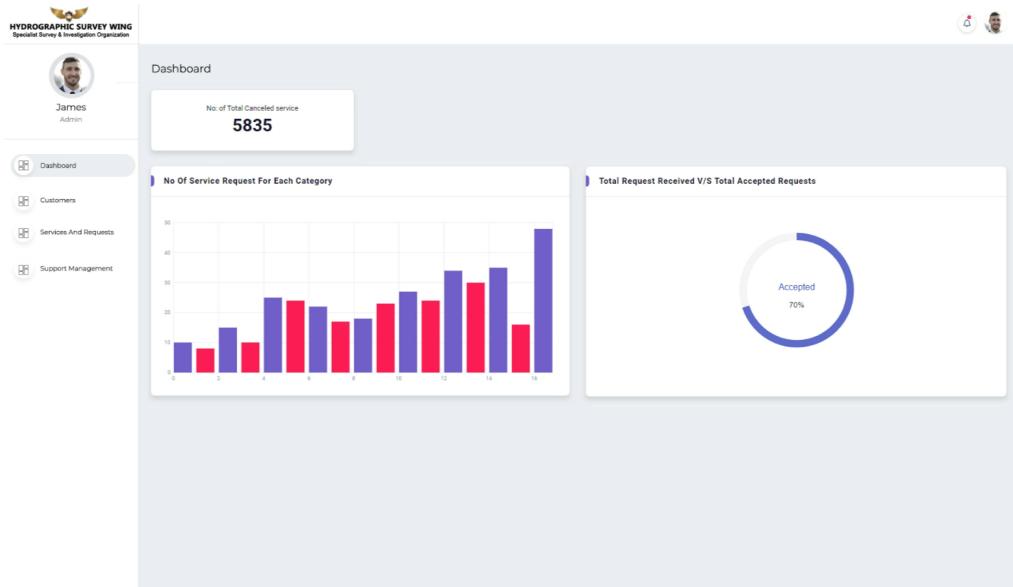
Admin is hierarchically positioned after super admin, admin also has the web module . Permissions can be varied provided by super admin.Admin can login to the system by entering the Email id. Once the user enters the mail id , the system will send an OTP to the mail id . Users need to enter the OTP to successfully login to the system.



Login page attributes

S.No	Attribute	Description
	Unique id	Field to enter username
	password	Field to enter password
	login	Button to validate and access homepage

5.2 Homepage - Dashboard



Dashboard page attributes

S.No	Attribute	Description
	graphs	Graphical representation of data
	customers	Button to access the customer module page
	Service and requests	Button to access the module page

5.3 Profile Page

Profile page attributes

n Profile Attributes

S.No	Attribute	Description
	ROLE of the person	Display the role of the person
	Name	Display the Name of user
	OFFICE	Display the type of the office from the list
	Email ID	Display the email ID of the user
	Phone No.	display the phone number of the user
	Password	password

5.4 Customer Page

Users can view and add customers, admin has the privilege to view all the existing customers, admin can add new customers by clicking the Add button, and will direct the user to customer registration page. If the customer is in person present in the office can register via admin

SL NO	DATE	NAME	MOBILE NO	EMAIL ID	TYPE OF FIRM
1	22-09-2022	Terry	7584682520	a.terry@datatables.net	Private
2	22-09-2022	Ramos	7584682520	a.ramos@datatables.net	Private
3	22-09-2022	Chloe	7584682520	8654765	Public
4	22-09-2022	Wagner	7584682520	b.wagner@datatables.net	Private
5	22-09-2022	Nash	7584682520	b.nash@datatables.net	Public
6	22-09-2022	Watson	7584682520	c.watson@datatables.net	Public

Customer page attributes

S.No	Attribute	Description
	Add New	Click to add a new customer
	List Table	Display the list of customers Columns: date, Customer Name, last name, mobile number, email id, type of firm
	Filter	Filter the list based on the selected filter

5.5 Add New customer page

Admin can add new customers from their login. If the customer is present in head office admin can himself add the customer (register). User can add new customer from the admin panel. If the customer is in person present, User can add the customer from this panel..

2. Add customer page details are following

- a. first name – text field user need to enter customers first name
- b. last name – text field user need to enter customers last name
- c. name of the firm – text field user need to enter customers name of firm
- d. type of the firm – select from option field that user need to enter customers type of firm
- e. email id – text field users need to enter customers' email id.
- f. mobile number – text field users need to enter customers mobile number Once the user entered the mobile number system will ask to send OTP to the entered number. Once the user clicks on the button, OTP will be send to the number
- g. OTP – text field users need to enter customers who have received OTP. Once the user entered the OTP correctly, the user needs to click the validate button to verify the entered OTP is valid.
- h. valid proof – text field users need to enter customers with any legal valid proof.
- i. password – text field users need to enter a customer created password for their account.
- j. confirm password – text field users need to re-enter the password that customer gave.
- k. authentication authority – this field will be automatically populated with the name of the -person logged currently in the system.
- l. submit application – button will allow the user to create the customer account.

The screenshot shows the 'Customers' section of the Estrado Admin Panel. On the left, there's a sidebar with a profile picture of James (Admin), a dashboard icon, a 'Customers' button (which is highlighted in grey), a 'Services And Requests' icon, and a 'Support Management' icon. The main area is titled 'Customers' and has a sub-section titled 'Add Customer'. The 'Add Customer' form includes fields for 'Name' (with 'First name' and 'Last name' sub-fields), 'Name of Firm', 'Email address', 'Country' (a dropdown menu with '-Select-' placeholder), 'Mobile Number' (with a sub-field for 'OTP'), 'Valid Proof' (with a sub-field for 'OTP'), 'Password' (with a sub-field for 'Authenticat'), 'Confirm Password' (with a sub-field for 'Authenticat'), and 'Authentication Authority' (with a sub-field for 'Auto populate the loggedin admin unique id'). There are also 'Send OTP', 'Verify', 'Save', and 'Cancel' buttons.

Registration page attributes

S.No	Attribute	Description
	First name	Field to enter name
	Last name	Field to enter name

S.No	Attribute	Description
	First name	Field to enter name
	Name of the firm	Filed to enter the firm name
	Type of the firm	Select from the list PUBLIC or PRIVATE
	Email id	Field to enter email id
	Mobile number	Field to enter mobile number
	OTP	Field to enter the OTP number
	Valid proof	Enter the valid proof
	password	Field to enter / create password
	Confirm password	Re-entered the password entered above. Should be match
	Authentication authority	Auto populate the logged in persons name or id number

5.5.1 Customer Details Page

Users can view the customer details page once they select a particular customer. Customers' basic details and their ongoing requests will be displayed. Users can track their ongoing service by clicking the file number of the particular service.

The screenshot shows a user interface for managing survey requests. On the left, a sidebar menu includes options like Dashboard, User Role Management, Customers (which is selected), Services And Requests, Head And Offices, Repository Management, Report Management, and Support Management. The main content area has two sections: 'Personal Details' (Name: Terry, Firm: XYZ organization, Type: Private, Email: georgemeyer@gmail.com, Phone: +123 234 3562) and 'Requested Services' (a table with columns SL NO, DATE, FILE NUMBER, REQUESTED SERVICE, and STATUS). The table data is as follows:

SL NO	DATE	FILE NUMBER	REQUESTED SERVICE	STATUS
1	22-09-2022	WE35587	Hydrographic survey	ETA submitted
2	22-09-2022	WE35587	Total observation	Customer payment completed
3	22-09-2022	WE35587	Underground Videography	Rejected Request
4	22-09-2022	WE35587	Current meter survey	E signature Complete
5	22-09-2022	WE35587	Current meter survey	Field study Report submitted
6	22-09-2022	WE35587	Current meter survey	E signature pending

Customer individual basic information page attributes

S.No	Attribute	Description
	Basic details	Displays customer registration details
	List Table	Display the list of customers requested services Columns: date, Customer Name, last name, mobile number, email id, type of firm
	timeline	Button to access the customers timeline page

5.5.2 Service and request page.

Users can access and manage the service request page. All the requests under the particular sub office (kollam/beypore) under this admin will be displayed. All the services assigned through this admin will be displayed. Users can track all the ongoing services and services that need their actions currently will be displayed on top. Users can filter by status.

The screenshot shows a web application interface for managing service requests. On the left, there is a sidebar with a user profile for 'James Admin' and links for Dashboard, Customers, Services And Requests (which is highlighted), New Service Request, Requested Service, and Support Management. The main content area is titled 'Requested Service' and 'Requested Services'. It displays a table with 7 entries, each representing a service request. The columns are SL NO, DATE, NAME, FILE NUMBER, EMAIL ID, REQUESTED SERVICE, and STATUS. The data is as follows:

SL NO	DATE	NAME	FILE NUMBER	EMAIL ID	REQUESTED SERVICE	STATUS
1	22/09/2022	Terry	AWE5598779	a.terry@datatables.net	Hydrographic survey	Rejected by Surveyor (name)
2	22/09/2022	Ramos	AWE5598779	a.ramos@datatables.net	Tidal observation	SR field report submitted
3	22/09/2022	Chloe	AWE5598779	b.Chloe@datatables.net	Underground videogra	Field study report submitted by sur(name)
4	22/09/2022	Wagner	AWE5598779	b.wagner@datatables.net	Current meter survey	Field study reassigned
5	22/09/2022	Nash	AWE5598779	b.nash@datatables.net	Hydrographic chart	Draffman invoice submitted
6	22/09/2022	Watson	AWE5598779	c.watson@datatables.net	Hydrographic chart	Field report submitted
7	22/09/2022	Johnne	AWE5598779	C.johnne@datatables.net	Hydrographic chart	Survey report submitted by sur(name)

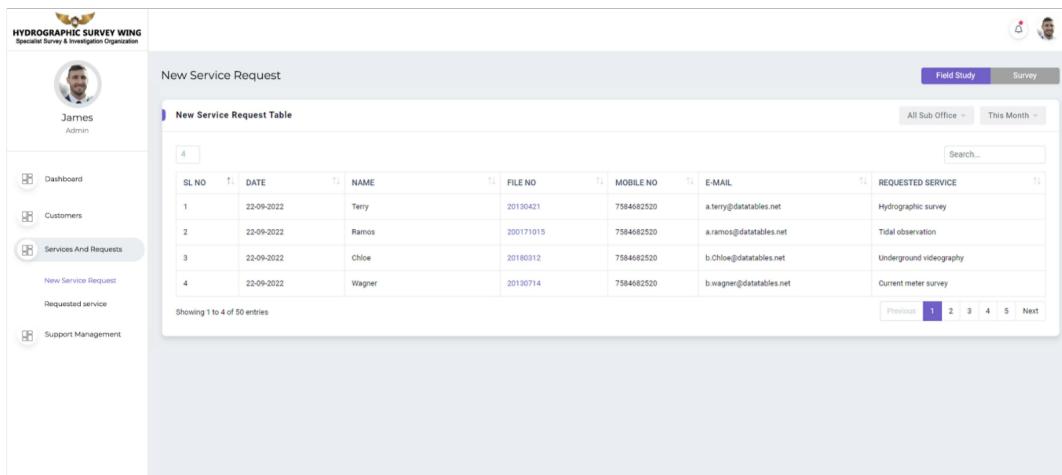
At the bottom, it says 'Showing 1 to 7 of 50 entries' and has a navigation bar with 'Previous' and 'Next' buttons.

Service list page attributes

S.No	Attribute	Description
	date	Date of the requests accepted
	name	Name of the accepted customer
	File number	File number of the service request to track
	email	Customer email id
	Requested service	Name of the progressing requested services
	status	Current status of the progressing services
	filter	Filtering list based on month, sub office
	Search bar	Search bar to search service
	New service requests	Click to open the new service requests
	Re assignments list page	Button to open the re assignment pages.

5.5.3 New assigned service page

New assigned services will be displayed in a page that users can access and manage. Both field study and survey study assignment will be assigned from the chief hydrographer. Users can view the individual details of the assignment and the user needs to assign a surveyor for each assignment. File number is the user triggerable area that user can access



The screenshot shows a web-based application interface for managing service requests. On the left, there is a sidebar with a user profile for 'James Admin' and links to 'Dashboard', 'Customers', 'Services And Requests' (which is highlighted in grey), 'New Service Request', 'Requested service', and 'Support Management'. The main content area is titled 'New Service Request' and contains a sub-section titled 'New Service Request Table'. This table displays four rows of data:

SL NO.	DATE	NAME	FILE NO.	MOBILE NO.	E-MAIL	REQUESTED SERVICE
1	22-09-2022	Terry	20130421	7584682520	a.terry@datatables.net	Hydrographic survey
2	22-09-2022	Ramos	200171015	7584682520	a.ramos@datatables.net	Tidal observation
3	22-09-2022	Chloe	20180312	7584682520	b.Chloe@datatables.net	Underground videography
4	22-09-2022	Wagner	20130714	7584682520	b.wagner@datatables.net	Current meter survey

Below the table, it says 'Showing 1 to 4 of 50 entries'. At the top right of the main content area, there are buttons for 'Field Study' and 'Survey', and dropdown menus for 'All Sub Office' and 'This Month'. A search bar is also present at the top right.

New assigned service page attributes

S.No	Attribute	Description
	Assigned services table view	Display the service details of each customer
	Field study	Button to access the assigned field study assignment
	Survey study	Button to access the assigned survey study assignment

5.5.4 Assigning field study to surveyor

Once the user is assigned with an assignment, the user needs to assign a surveyor to conduct the study. Users can select a date and send a surveyor the assignment request. Surveyor can accept or reject the request , once the surveyor rejects the request, the user will be notified with remarks and the user needs to assign another surveyor for he study.

The screenshot shows a web-based application interface for managing service requests. On the left, there's a sidebar with a user profile for 'James Admin' and navigation links for 'Dashboard', 'Customers', 'Services And Requests' (which is currently selected), 'New Service Request', 'Requested service', and 'Support Management'. The main content area is titled 'New Service Request' and displays a form for a service request with file number SD25558. The form includes fields for 'Name: Terry', 'Type of firm: Private', 'Mobile No: +91 75891532846', 'Name of the firm: XYZ organization', 'Email ID: xyz@gmail.com', and 'Valid ID proof: KL457/225478632'. Below the form, there are tabs for 'Basic' (selected) and 'Submitted Form'. A sub-section titled 'Assign Surveyor*' contains a dropdown menu labeled 'Select-' and a date input field set to 'mm/dd/yyyy'. To the right of these fields are icons for 'Date' (22-09-2022), 'Requested service' (Hydrographic survey), and 'Status' (Ongoing). A large blue 'Assign' button is located at the bottom right of this section.

Assigning field study page attributes

S.No	Attribute	Description
	Assign surveyor	Option to select surveyor from list
	Date of field study	Option to select the date which the surveyor needs to conduct field study
	Assign	Button to assignment to the selected surveyor

5.5.5 Surveyor rejected the request - Assigning new surveyor page

Once the surveyor rejects the request, the user will be notified with remarks (as reason) for rejecting the request , from the same page itself user can send assignment to another surveyor. Users can select another surveyor from the same page.

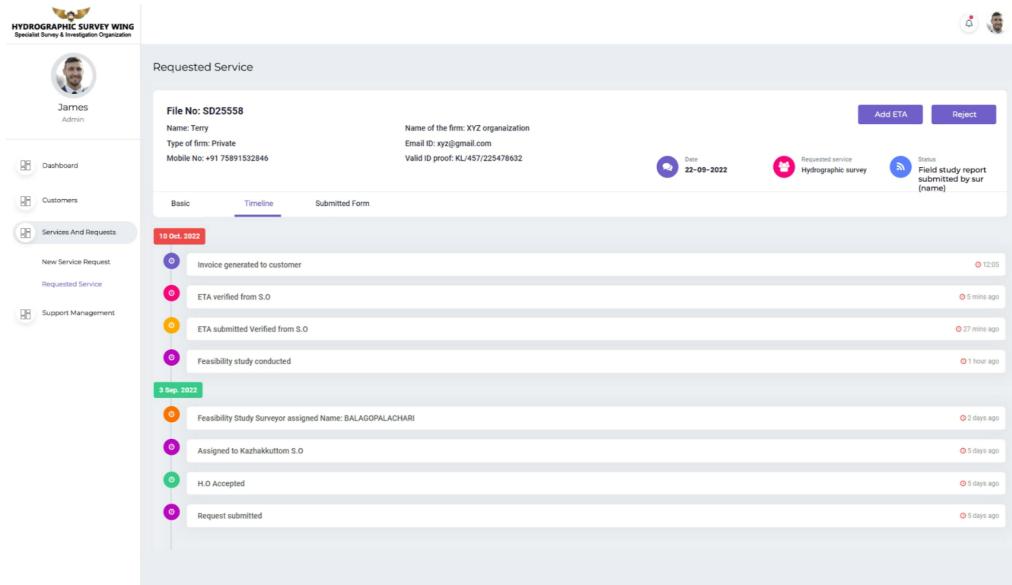
The screenshot shows a web application interface for managing survey requests. On the left is a sidebar with navigation links: Dashboard, Customers, Services And Requests (which is selected), New Service Request, Requested Service, and Support Management. The main content area has a header 'Requested Service'. It displays a profile picture and name 'James Admin'. Below this, there's a form with fields: 'File No: SD25558', 'Name: Terry', 'Type of firm: Private', 'Mobile No: +91 7589153284', 'Name of the firm: XY2 organization', 'Email ID: xyz@gmail.com', and 'Valid ID proof: KL-457/225478632'. There are status indicators: 'Data 22-09-2022', 'Requested service Hydrographic survey', and 'Status Rejected by surveyor'. Below the form, under 'Remarks', there is a text area with three bullet points of placeholder text. At the bottom, there's a section titled 'Assign Surveyor*' with a dropdown menu labeled '-Select-' and a date input field 'Date for field study*' with the value 'mm/dd/yyyy'. A blue 'Assign' button is at the bottom right.

Surveyor rejected page attributes

S.No	Attribute	Description
	remarks	Display the surveyor added remarks
	Assign surveyor	Option to select surveyor from list
	Date of field study	Option to select the date which the surveyor needs to conduct field study
	Assign	Button to assignment to the selected surveyor

5.5.6 Customer Individual Details Timeline Page

Timeline is the page where user can see the all activities done in a particular customers service. All the activities under a particular customers ongoing service will captured and displayed inside timeline page.



Customer individual timeline page attributes

S.No	Attribute	Description
	Basic details	Displays customers total service requests
	List Table	Display the list of customers requested services Columns: date, requested service, status
	timeline	displays the customers timeline page
	Basic information	Button to access the basic details page

5.5.7 Service - customer submitted Form Page Details

Customer submitted forms for a particular page will be accessible by the admin. If a user selects a particular customer and clicks on one of the ongoing services , the user can access the timeline and submit the form page. Submitted form page will display the customer submitted form and uploaded documents for this service. User only can read the form.

Form page attributes

S.No	Attribute	Description
	Report	Display the customer submitted report for this service
	file	Display the documents/ files uploaded by customers

5.5.8 Service - Surveyor Report Submitted Page Details

Surveyor will be mapped under a particular Admin, each surveyor submitted data will be received to the mapped admin. Once the surveyor submitted a field study report, the user will receive the report. users need to verify the report. If the report is not proper, users can re assign the same surveyor for re conducting the study. Once the user verifies the report, they need to add ETA along with the report. users need to click on the Add ETA button to avail the ETA page where they can value in the field. Once the user fills in the ETA can send it to the chief hydrographer (super admin) .

The screenshot shows a web-based application interface for managing survey requests. On the left, a sidebar menu includes 'Dashboard', 'Customers', 'Services And Requests' (which is selected), 'New Service Request', 'Requested Service', and 'Support Management'. The main content area is titled 'Requested Service' and displays the following information:

- File No:** SD25558
- Name:** Terry
- Type of firm:** Private
- Mobile No:** +91 75891532846
- Name of the firm:** XYZ organization
- Email ID:** xyz@gmail.com
- Valid ID proof:** KL-457/225478632
- Date:** 22-09-2022
- Requested service:** Hydrographic survey
- Status:** Field study report submitted by sur [name]

The 'Basic' tab is active, showing details like Date & Time of inspection (29-09-2022, 10:20am), Name of department/ firm which reconnaissance survey is conducted (Lorem Ipsum), Name of officers participating in field inspection (Lorem Ipsum), Type of water body (Lorem Ipsum), and Limit of survey area (Lorem Ipsum). Below this, there's a section for Topographic survey required (Yes), Method (Method), Availability of previous shoreline data (Lorem Ipsum), Nature of shore (Lorem Ipsum), Scale of Survey planned (Lorem Ipsum), and Is manual Survey require (Yes).

Service customer individual page surveyor report submitted page attributes

S.No	Attribute	Description
	Basic details	Displays customers basic details
	List []	Displays selected customer service Date, selected service, status
	Report	Displays the surveyor submitted report
	Accept and send SA notification	Button to accept the report and send notification to admin
	Reject with re assign	Button to reject the report

5.5.9 Add ETA page

The ETA button will land the user to this page where the ETA template will be visible and the user needs to fill the fields based on the report received. Each field is mandatory to fill. Once the user fills all the fields and clicks on the submit button the button will send the report to the hydrographer.

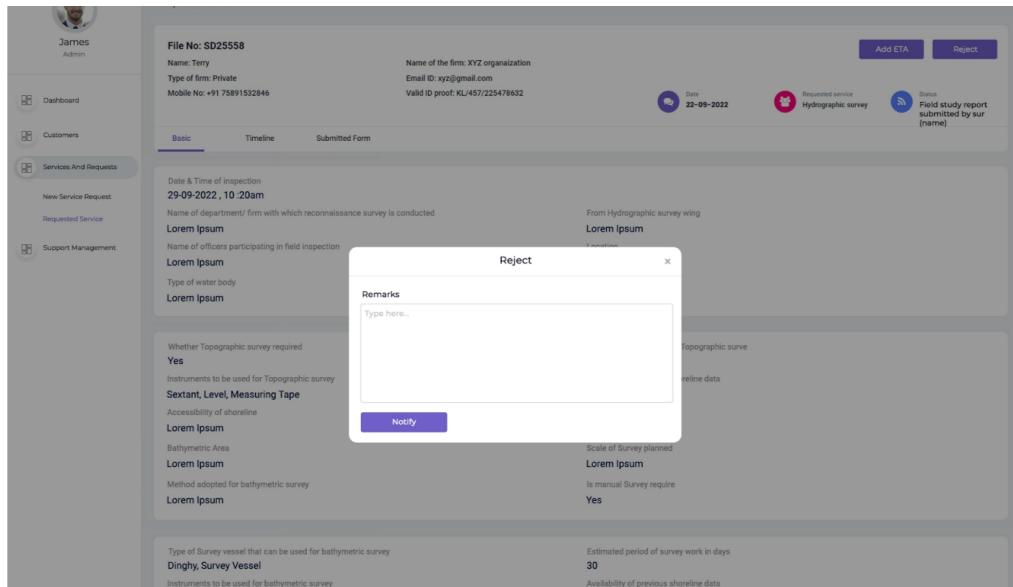
The screenshot shows the ESTRADO software interface. On the left, there's a sidebar with a profile picture of James (Admin), a dashboard icon, customers icon, services and requests icon (which is selected), new service request icon, requested service icon, and support management icon. The main area has a header 'Requested Service' and a sub-header 'File No: SD25558'. It shows basic information: Name: Terry, Type of firm: Private, Mobile No: +91 75891532846. To the right, there's a modal window titled 'ETA' with tabs for Basic, Timeline, and Submitted Form. The Basic tab is active, showing fields for Date & Time of inspection (29-09-2022, 10:20am), Name of department/firm (Lorem ipsum), Name of officers participating in field inspection (Lorem ipsum), Type of water body (Lorem ipsum), Whether Topographic survey required (Yes), Instruments to be used for Topographic survey (Sextant, Level, Measuring Tape), Accessibility of shoreline (Lorem ipsum), Bathymetric Area (Lorem ipsum), and Method adopted for bathymetric survey (Lorem ipsum). The Timeline tab shows a date of 22-09-2022. The Submitted Form tab shows a status message: 'Field study report submitted by our [name]'. Buttons at the top of the modal include 'Add ETA' and 'Reject'.

Accept and send notification confirmation page attributes

S.No	Attribute	Description
	Tex box	Confirmation message
	Go back to homepage	Button to go homepage

5.5.10 Field Report Reject Page Details

Users can reject the report received from the surveyor. Users can add remarks for rejecting the report. Users can remark and once the user clicks on the notify button will send the reassignment to the surveyor.



Field report reject page attributes

S.No	Attribute	Description
	Basic details	Displays the Customer file number, first name, last name, requested service name, report
	remarks	Text field to enter the remarks , entered remarks will be send along
	Notify surveyor	Button to send the remarks to surveyor

5.5.11 Service - Surveyor invoice verified Page Details

Once the draftsman or field assistant mapped under this admin created an invoice and submitted it will be displayed, users need to verify the invoice and can reject it for the appropriate reason. If the invoice seems accurate, the user can click the verify button to notify the chief hydrographer that this invoice is verified .

The screenshot shows a web-based application interface for managing service requests. On the left, there's a sidebar with a user profile (James, Admin) and navigation links: Dashboard, Customers, Services And Requests (which is selected), New Service Request, Requested Service, and Support Management.

The main content area is titled "Requested Service". It displays a service request for "File No: SD25558" from "Name: Terry" (Type of firm: Private, Mobile No: +91 75891532846). The status is "Draftman invoice submitted". There are "Verify" and "Reject" buttons at the top right.

Below this, there are tabs for "Basic", "Timeline", and "Submitted Form". The "Basic" tab is active, showing details like Bill/Invoice No #123456, Name of work (Lorem Ipsum), Service code (SAC) (Lorem Ipsum), Description of service (Lorem Ipsum), and Made of payment (two options listed).

The "Submitted Form" tab shows a table with two rows of service details:

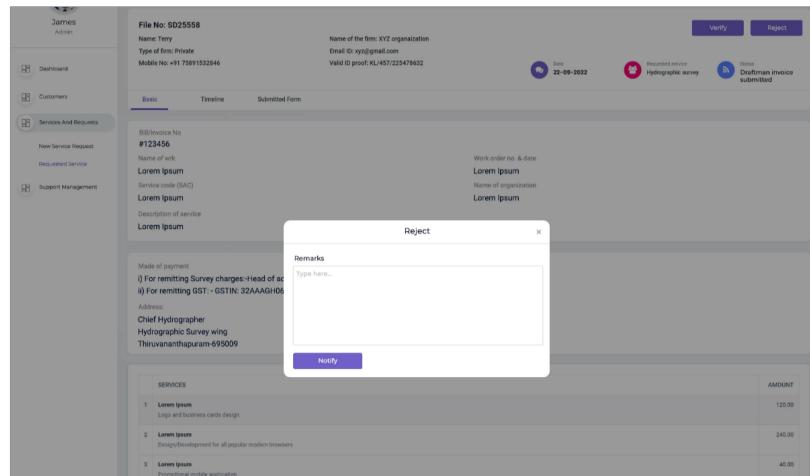
SERVICES	AMOUNT
1 Lorem Ipsum Logo and business cards design	120.00
2 Lorem Ipsum	240.00

Service - ETA generating page attributes

S.No	Attribute	Description
	Basic details	Displays customers total service requests
	List Table	Display the list of customers requested services Columns: date, requested service, status
	timeline	displays the customers timeline page
	form	Button to access the customer submitted form for this service
	ETA	Not clarified
	Generate invoice	Not clarified , need to develop

5.5.12 Service - Surveyor invoice reject page details

Once the user clicks the reject button it will land on the remarks page. Users need to text the reason for rejecting the invoice. Once the user adds the remarks , user can click the notify button to notify the draftsman/ field assistant (who prepares the invoice).



Rejecting invoice attributes

S.No	Attribute	Description
	remarks	Text field to enter the remarks , entered remarks will be send along
	Notify	Button to notify the surveyor, draftsman and field assistant

5.5.13 Service - Survey report received

Users will receive the survey study report like a field study report from the surveyor. Users can verify the report and can mark the report as verified to acknowledge the chief hydrographer. Once the userarked the report as verified, chif hyfrogrpaher will be notified and will be forward to next process (e signature).4

The screenshot shows a web-based application for managing survey requests. On the left, there's a sidebar with a user profile (James Admin), a dashboard link, and a 'Services And Requests' section which is currently selected. Under 'Services And Requests', there are links for 'New Service Request' and 'Requested Service'. Below these are 'Support Management' and other unlabelled icons.

The main content area is titled 'Requested Service' and shows a service request with the file number SD25558. It includes fields for the requester (Name: Terry, Type: Private, Mobile No: +91 75891532846) and the organization (Name: XYZ organization, Email ID: xyz@gmail.com, Valid ID proof: KL/457/225478632). A timestamp indicates the date and time of inspection: 29-09-2022, 10:20am. The status bar at the top right shows a profile icon, a date (22-09-2022), and a message: 'Requested service Hydrographic survey Status report submitted by sur (name)'.

The form is divided into several sections:

- Date & Time of inspection:** 29-09-2022, 10:20am
- Name of department/ firm with which reconnaissance survey is conducted:** Lorem Ipsum
- Name of officers participating in field inspection:** Lorem Ipsum
- Type of water body:** Lorem Ipsum
- From Hydrographic survey wing:** Lorem Ipsum
- Location:** Lorem Ipsum
- Limit of survey area:** Lorem Ipsum
- Whether Topographic survey required:** Yes
- Instruments to be used for Topographic survey:** Sextant, Level, Measuring Tape
- Accessibility of shoreline:** Lorem Ipsum
- Bathymetric Area:** Lorem Ipsum
- Method adopted for bathymetric survey:** Lorem Ipsum
- Method to be adopted for Topographic survey:** Method
- Availability of previous shoreline data:** Lorem Ipsum
- Nature of shore:** Lorem Ipsum
- Scale of Survey planned:** Lorem Ipsum
- Is manual Survey require:** Yes
- Type of Survey vessel that can be used for bathymetric survey:** Dinghy, Survey Vessel
- Instruments to be used for bathymetric survey:** Leadline, Echosounder
- Accessibility of shoreline:** Lorem Ipsum
- Is Local Benchmark needs to be established:** Yes
- Remarks:** Lorem Ipsum
- Estimated period of survey work in days:** 30
- Availability of previous shoreline data:** Lorem Ipsum
- Nearest available Benchmark detail:** Lorem Ipsum
- Detailed report of the officer:** Lorem Ipsum
- Presence and nature of obstructions in the survey area:** Lorem Ipsum

A large 'Verify' button is located at the bottom right of the main content area.

Page attributes

S.No	Attribute	Description
	Survey report	Survey report submitted by survey will display
	Verify	Button to notify the chief that the admin verified the report.
	Send	Button to send the report to the CH (super admin). In the second th phase , once the assistant cartographer

		(admin) verifies the survey report , it will be sent to DH for verification.
--	--	--

5.5.14 Support management page

Users will receive the customer raised queries. Support management page will allow the user to manage the user raised queries. User will receive the queries and the user can give the replay accordingly. Users need to select the individual queries and can view the detailed information about the query.

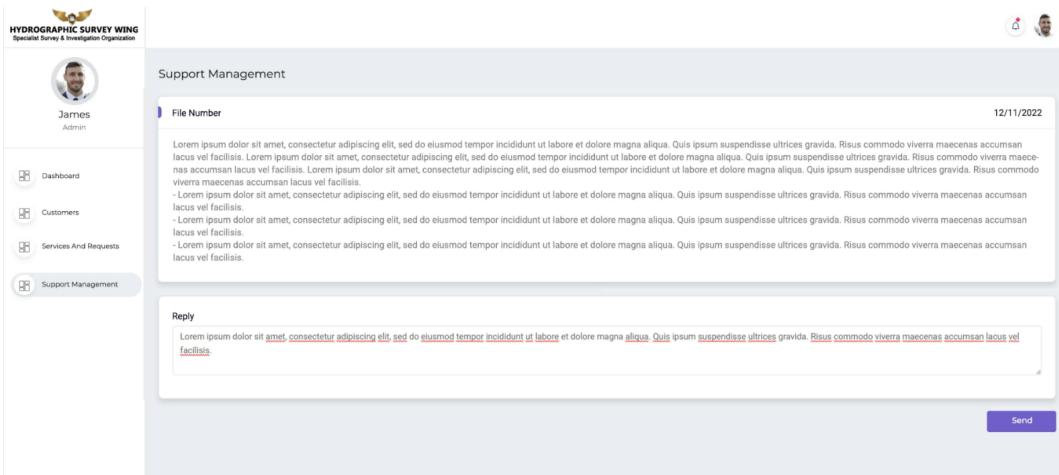
The screenshot shows a web application interface for 'Support Management'. On the left is a sidebar with a logo for 'HYDROGRAPHIC SURVEY WING Specialist Survey & Investigation Organization' and a user profile for 'James Admin'. The main area is titled 'Support Management' and contains a 'Support List' section. It displays four entries, each with a 'File Number' and a timestamp '12/11/2022'. Each entry includes a 'Reply' button. The entries are identical, showing placeholder text about labor and dolores magna aliqua.

Support management page attributes

S.No	Attribute	Description
	Customer	Text received from customer will be displayed , user needs to select a particular query from the list to access the details page.

5.5.15 Support page individual page details

From this page users can give the replay for the customer query. Users can input their response in the replay text field. Once the user gives a proper explanation for the query, user can clicks on the send button to send the response to the respective customer.



Support page individual details page attributes

S.N O	Attribute	Description
	Message box	Display the customer query text
	replay	Text field to add the admin side replay
	Send	Button to send the replay to the customer

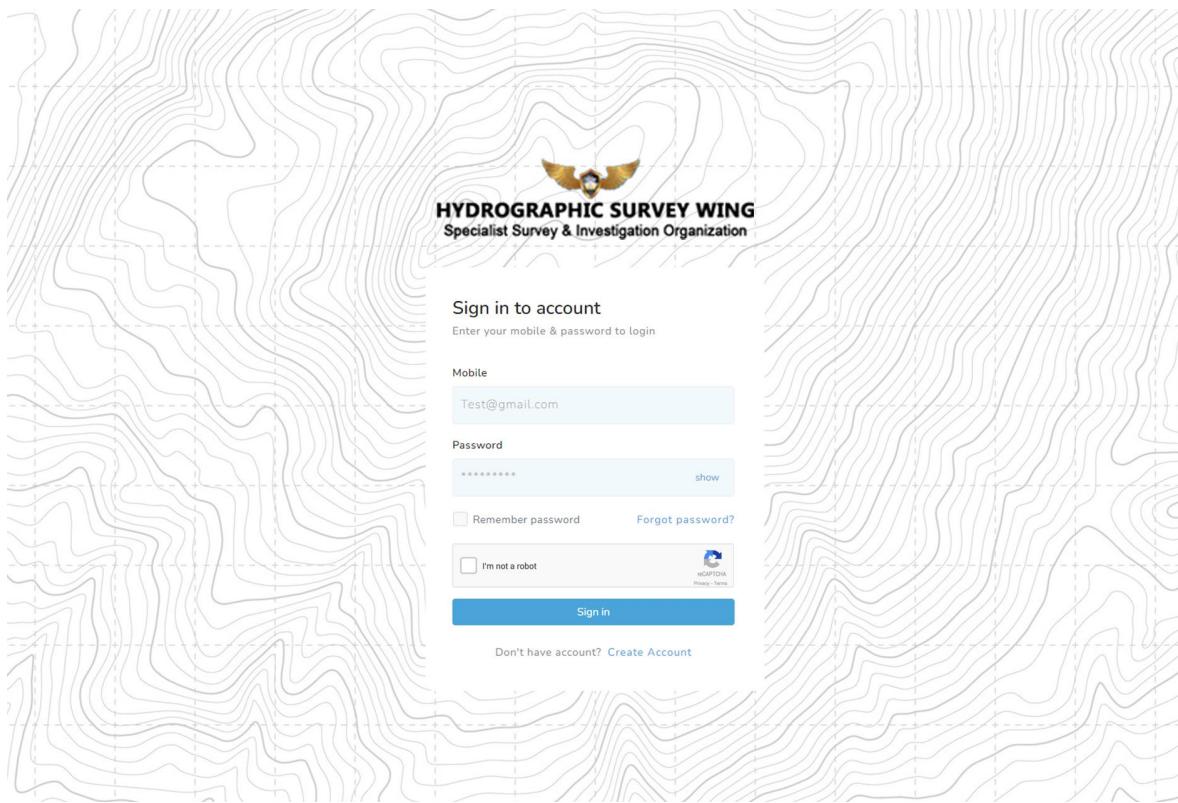
Customer Panel

5.5.16 Login

The users shall be able to login to the application from the Login page by entering their credentials. Users can login to their account using mobile number and OTP. If the user is using this for the first time , they need to first register with the system and can avail the functionality.

The following features are available in the Webpage

- a. Email id - user need to enter email id.
- b. Password- user can enter the created password . once the user enters the credential, system will check if the user is existing, if yes it will login, if not system will display “New user register”



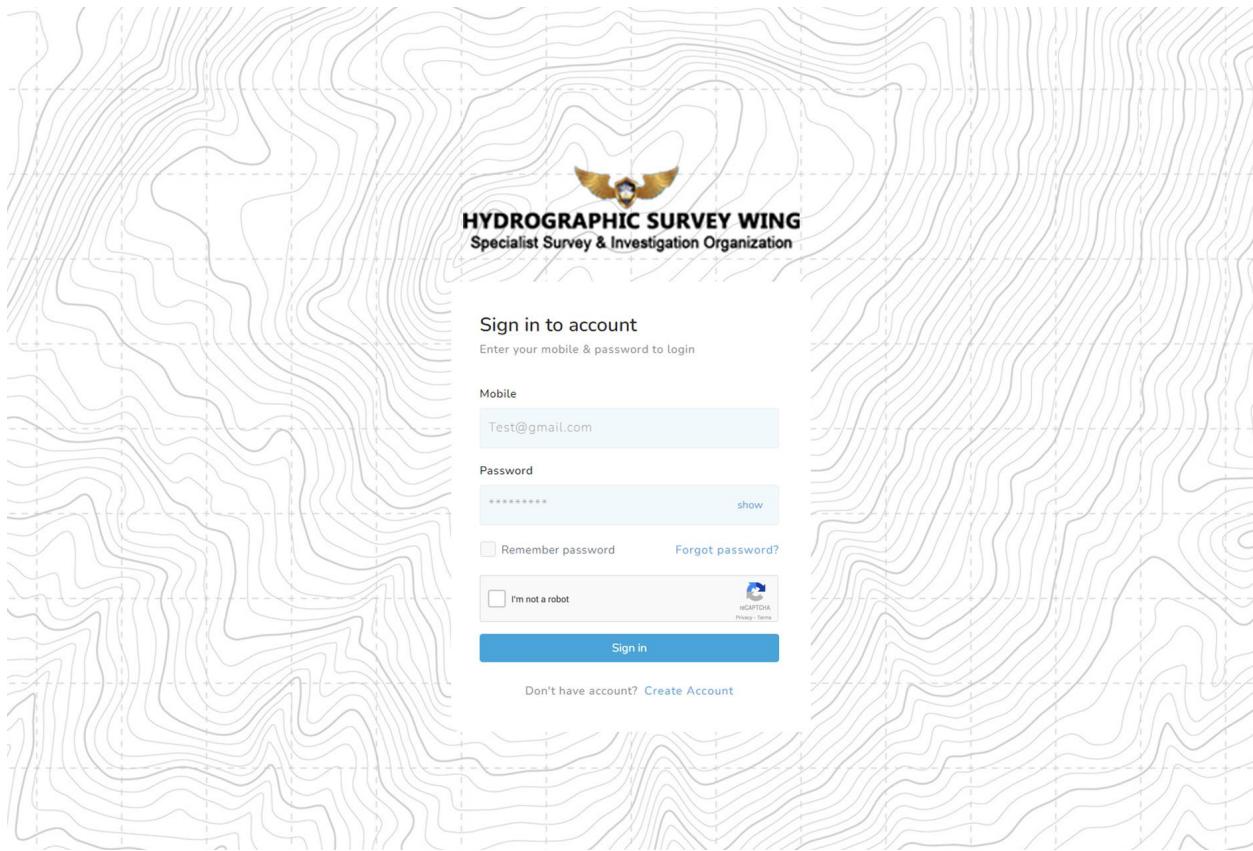
Login page attributes

S.No	Attribute	Description
	Email id	Field to enter EMAIL ID
	password	Field to enter password

	Recaptcha box	Human bot verification.
	Forgot Password	Link to create new password
	New user register	Button to register the user (if the user new to this)
	login	Button to enter to homepage (condition checks on mobile number and password)

5.5.17 Forgot password - create new password

User can reset the password if he/she forgets. By clicking the forgot password button from the login page will direct the user to forget password page where user can enter mobile number to receive OTP, Once the OTP is verified, user can create new password. Users need to enter the created password again to confirm. Once the user filled both fields and clicks on sign , the new password will be replace with old password and the user will directly logged into the system.



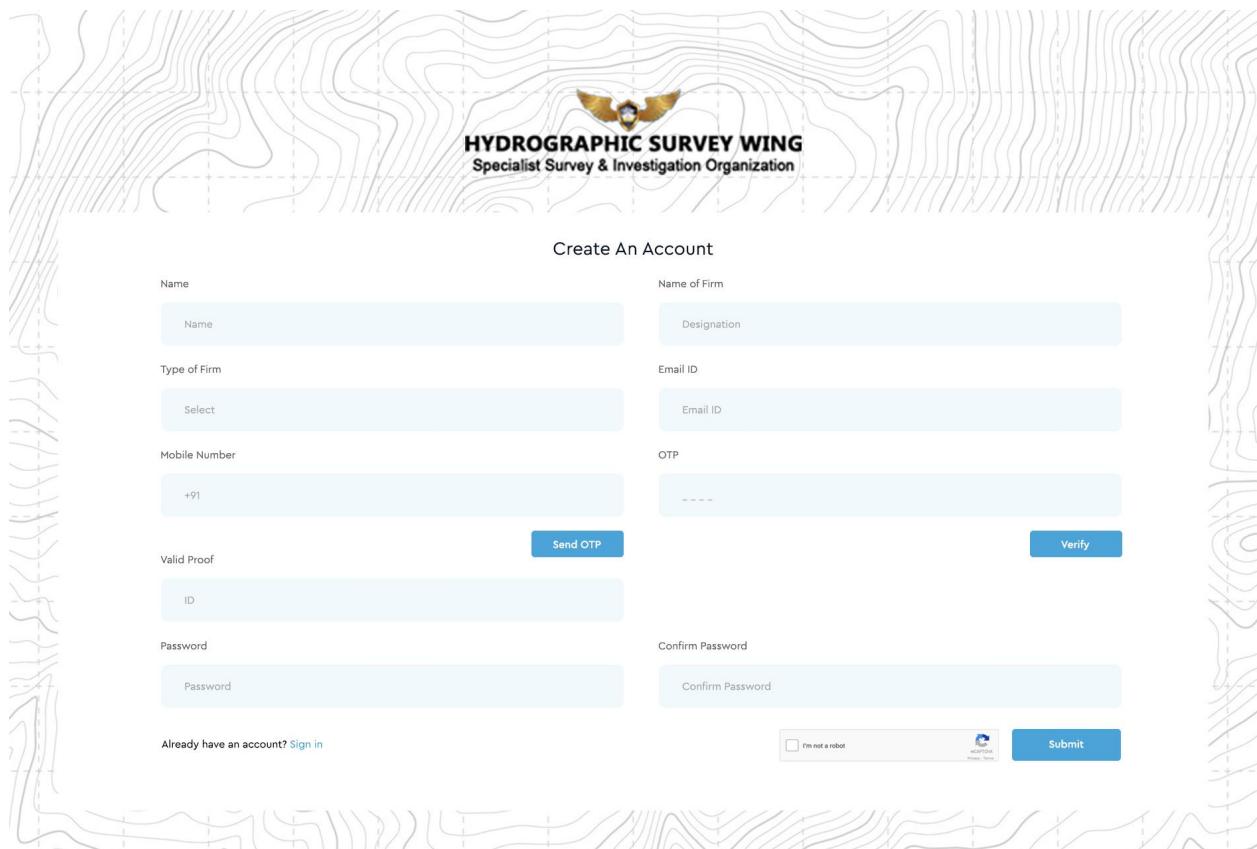
Create new password page attributes

S.No	Attribute	Description
	EMAIL ID	Field to enter Email id
	OTP	Field to enter otp
	Create New Password	Field to enter new password
	Confirm New Password	Field to re enter the new password
	Login	Button to save the change and log in to the system.

5.5.18 Registration

The user shall be able to register an account in survey with their business profile and create their account by filling the required details in register page

1. The user need to enter following details
 - a. Name
 - b. name of firm
 - c. type of firm
 - d. email id
 - e. mobile number
 - f. OTP
 - g. valid proof
 - h. password
 - i. confirm password
2. recaptcha - user need to complete the captcha box



The image shows a registration form titled "Create An Account" set against a background of topographic contour lines. At the top center is the logo for "HYDROGRAPHIC SURVEY WING" with the subtitle "Specialist Survey & Investigation Organization". The form fields are arranged in two columns:

Name	Name of Firm	
<input type="text"/>	<input type="text"/>	
Type of Firm	Email ID	
<input type="text"/>	<input type="text"/>	
Mobile Number	OTP	
+91	-----	
Valid Proof	Send OTP	Verify
<input type="text"/>		<input type="button"/>
Password	Confirm Password	
<input type="password"/>	<input type="password"/>	
<small>Already have an account? Sign in</small>		
<input type="checkbox"/> I'm not a robot		<input type="button"/>

Registration page attributes

S.No	Attribute	Description
	First name	Field to enter first name
	Last name	Field to enter last name
	Name of firm	Field to enter name of firm working
	Type of firm	Select type of firm from options
	Email id	Filed to enter the email id
	Mobile number	Field to enter mobile number
	Valid id proof	Field to enter the valid legal proof
	password	Field to enter password
	Confirm password	Field to re-enter password
	Recaptcha	Recaptcha box to verify human /bot.
	Register account	Button to create account , linked to confirmation page

5.5.19 Dashboard

 HYDROGRAPHIC SURVEY WING
Specialist Survey & Investigation Organization

Search...

Emay Walter Admin ▾

Services

- Hydrographic Survey
- Tidal observation
- Bottom sample collection
- Dredging Survey
- Hydrographic data/charts
- Underwater videography
- Current meter observations
- Side scan sonar observation
- Topographic survey
- Sub Bottom Profiling

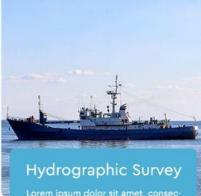
 My Requests ▾

Total ongoing services 20 **Invoice received** 20 **Total pending requests** 20 **Total rejected requests** 20

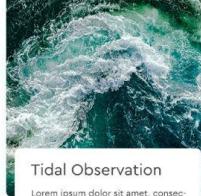
Hydrographic Survey investigations



Hydrographic Survey



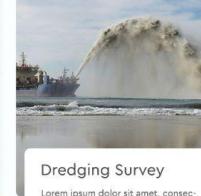
Tidal Observation



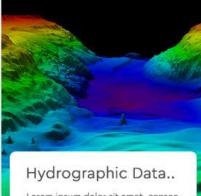
Bottom Sample Coll..



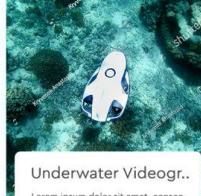
Dredging Survey



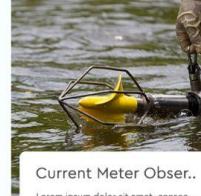
Hydrographic Data..



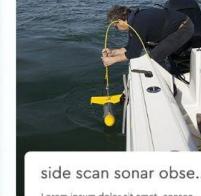
Underwater Videogr..



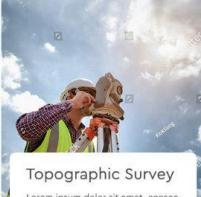
Current Meter Obser..



side scan sonar obse..



Topographic Survey



Sub Bottom Profiling



Copyright 2022 © HSW. All Rights Reserved

The homepage shall be the landing page after the user has successfully logged into the application. Once the user successfully completes, the homepage will be displayed. Following details will be available from the homepage:

1. Contents

- a. Services - all the services availed by system will be displayed. Users can select which service they want to submit the request.
- b. My request - users can track their ongoing services from the my request page. All the services including the status will be displayed.
- c. Notification - number of received notifications will be displayed in the notification icon.
- d. Profile page - users can access their profile page from the homepage by clicking the profile page icon.
- e. Get help - support page will be displayed , user can access get support window from home page

Dashboard page attributes

S.No	Attribute	Description
	services	All services will display in tiles
	My requests	Button to access ongoing services page
	profile	Button to access the profile page
	notification	Button to access the notification page
	Get help	Button to get support related service

5.5.20 Profile

The user can view their profile , user can view and manage their profile , edit their details. User can change their password from the profile page.

1. Profile page content

- a. Name - will display the customer name
- b. Name of firm - will display the customer name of firm
- c. Type of firm - will display the customer type of firm
- d. Phone number - will display the customer phone number
- e. Email - will display the customer email
- f. Valid id proof - will display the customer valid proof
- g. Change password - field to add new password
- h. Confirm password - re enter the confirm password to change the old password

The screenshot shows the Estrado Profile page. The top navigation bar includes the HYDROGRAPHIC SURVEY WING logo, a search bar, and a user profile for Emay Walter (Admin). The left sidebar has links for 'Services' and 'My Requests'. The main 'Profile' section contains input fields for Name, Name Of Firm, Type Of Firm (with a dropdown menu), Phone Number, Email, Valid ID Proof (with a dropdown menu), and Change Password (with fields for New Password and Confirm Password). A blue 'Save' button is located at the bottom right of the form area. At the very bottom of the page, there is a copyright notice: 'Copyright 2022 © HSW. All Rights Reserved'.

Profile page attributes

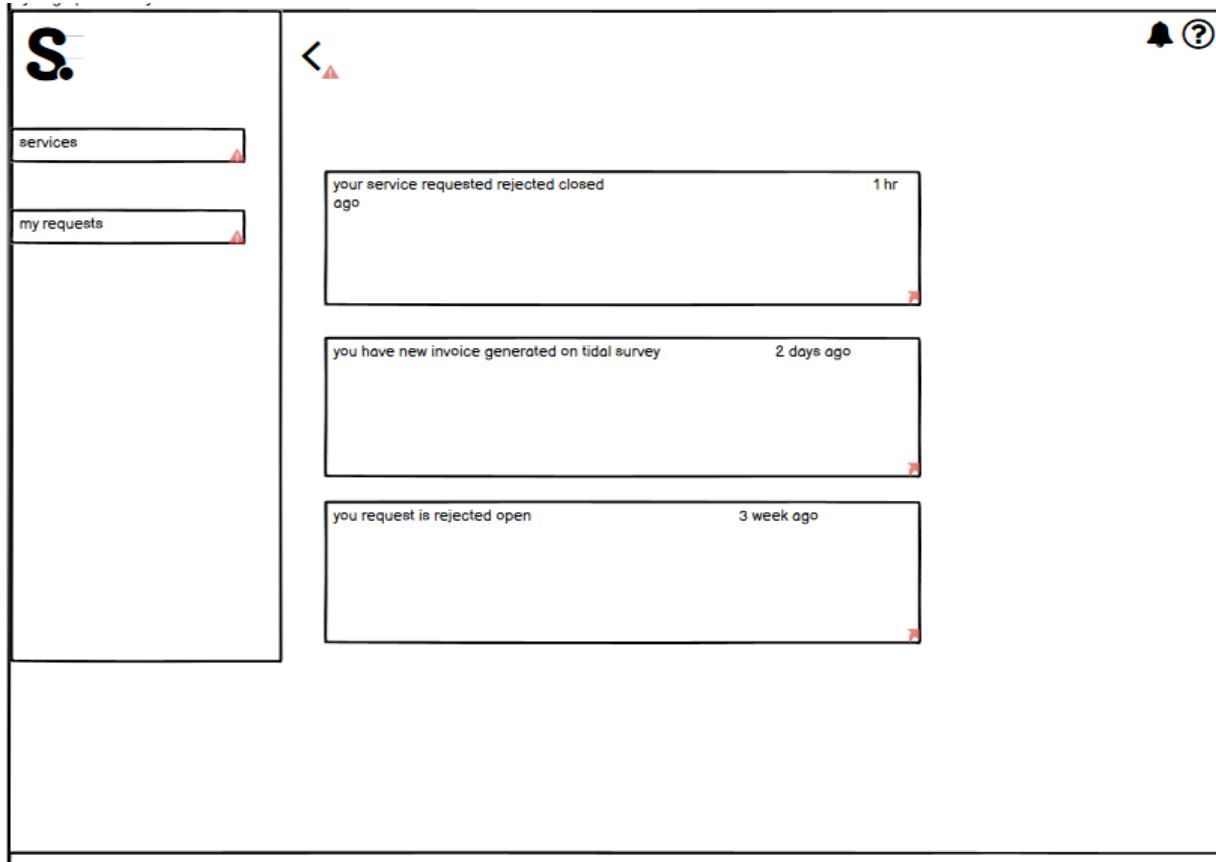
S.No	Attribute	Description
	First name	Display the first name
	Last name	Displays last name
	Name of the firm	Displays name of the firm

	Type of the firm	Displays type of the firm
	Valid id proof	Displays proof details
	Email	Displays email id
	password	Displays password
	services	Button to access the homepage service list
	My requests	Button to access the on going services

5.5.21 Notifications

The user can view and update their profile as required from the Profile section.

Notifications



1. The notifications for the user will be listed under the bell icon and the user can choose to view all the notifications in a list view.
2. In the all notifications list there should be an option to view the unread and read notifications.

Notification page attributes

S.No	Attribute	Description
	tiles	Each notification will be displayed in tiles , which is linked to the respecting redirecting page
	services	Button to access homepage

	My requests	Button to access the my service module
--	-------------	--

5.5.22 services

Here the user can view and access the service listed by admin. Users can open the service and look for basic information. If the user wants to avail the service , can submit the form through web.

These are the following services

- + Hydrographic survey
- + Tidal observation
- + Current meter observation
- + Hydrographic chart
- + Underwater videography
- + Bottom sample survey
- + Dredging survey
- + Side scanning sonar
- + Topographic survey
- + Sub bottom profiling
- +

These fields are common to every service request form

1.Hydrographic survey form page attributes

The screenshot displays the 'Hydrographic Survey' form. On the left, a sidebar lists various survey types under the 'Services' dropdown. The main form area is titled 'Hydrographic Survey' and is divided into three steps: Step 1 (Basic Details), Step 2, and Step 3. Step 1 contains fields for Name, Designation, and organization type. Step 2 asks whether the request is for a government or private sector entity. Step 3 is for purpose and brief description. A 'Required service from HSW' field is at the bottom. Navigation buttons include 'Back', 'Continue To Next', and a search bar at the top.

From this onwards fields can vary according to the service they are requesting for.

The screenshot shows a survey request form for a Hydrographic Survey. On the left, a sidebar lists various services under 'Hydrographic Survey'. The main area is titled 'Hydrographic Survey' and shows 'Step 2' of a three-step process. The 'Location' section includes dropdown menus for 'State' and 'District', and input fields for 'Name of Place' (with a dropdown for 'Place Name') and 'Survey Area Location' (with a dropdown for 'Latitude and Longitude'). Navigation buttons 'Back' and 'Continue To Next' are at the bottom.

Copyright 2022 © HSW. All Rights Reserved

The screenshot shows a web-based application for survey requests. At the top left is the logo of the Hydrographic Survey Wing, "HYDROGRAPHIC SURVEY WING Specialist Survey & Investigation Organization". A search bar is at the top center, and a user profile for "Emay Walter Admin" is at the top right.

The main content area is titled "Hydrographic Survey" and shows "Step 3" of the process. On the left, a sidebar lists "Services" such as Hydrographic Survey, Tidal observation, Bottom sample collection, Dredging Survey, Hydrographic data/charts, Underwater videography, Current meter observations, Side scan sonar observation, Topographic survey, and Sub Bottom Profiling. Below this is a "My Requests" section.

The main form has several sections:

- Details** section with "Type of Waterbody" dropdown (Select), "Area Of Survey" dropdown (Area), "Scale of Survey" dropdown (Scale), and "When Service to be conducted" dropdown (... / ... / ...).
- Checkboxes for "Whether interim surveys are needed in future" (Yes or No) and "Whether Bench mark/Chart Datum available in the area" (Yes or No).
- A file upload area titled "Upload existing drawings/maps showing the location" with a "Drop files here or click to upload" placeholder.
- Action buttons "Back" and "Submit" at the bottom right.

Copyright 2022 © HSW. All Rights Reserved

S.No	Attribute	Description
	Text field	Name
	Text field	Designation
	Select from option [central govt, state govt]	Whether Govt./Private/ Public Sector undertaking/person (choose the relevant one)
	Text field	Name of Department (for government departments)
	Text field	Name of firm (Private or Public Sector undertaking)
	Text field	Purpose

S.No	Attribute	Description
	Text field	Need/purpose for the survey/data collection - users can add the reason for requesting thi survey.

	Combo box	General area proposed for survey/data collection [State,District, Name of place]. Users need to select the location where survey needs to conduct
	Text Input	Survey area location (Latitude/longitude limits if available). User and specify the longitude and longitude if available.
	Combo box	Nature of field (sea/river/canal/lake/reservoir/lagoon/pond). Users can select the type of the field they are need to conduct hydrographic survey
	Text input	Area of survey (approximate) .users can select the area which they want to conduct survey
	Text input	Scale of survey (specify distance between survey lines)
	Choose from calendar	when a survey to be conducted (choose Date)
	Radio button for yes or no	Whether interim surveys are needed in future
	Radio button for yes or no	Whether Bench mark/Chart Datum available in the area
	Upload option	Existing drawings/maps showing the location .

2 Tidal observation service request form details (Common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
		Need/purpose for the data collection
		General area proposed for data collection [State, District ,Name of place,Name of place]
		Tidal area location (Latitude/longitude if available)
		Period of observation
		Whether Bench mark/ Datum available in the area

3 Bottom sample collection service request form (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
		[Place, Location]
		Depth at which samples to be collected (user need to add value in meters)
		No. of locations from which samples to be collected
		Quantity of sample to be collected in each location (user need to enter value in grams)

4. Dredging survey form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place ,Location]
2.		Detailed description of area (whether Sea/river/channel/harbor/jetty locations)
3.		Whether pre/post dredging survey required or both
4.		Whether interim surveys required
5.		Whether dredging quantity calculation required
6.		Method to be adopted for volume calculation (Tick Manual/software)
7.		Length, width, depth for calculation

5. Hydrographic data / chart required survey service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place, Location]
2.		Sea/ inland water bodies
3.		Year of survey chart required
4.		No. of copies required
5.		Whether print/soft copy required or both
6.		(Client can view the thumbnails/footprints of available data by clicking the link to HYMSIS portal)

6. Underwater videography service request form details (Common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place, Location]

2.		Type of waterbody (Sea/ inland water bodies)
----	--	--

7. Current meter observation service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		[Place ,Location]
2.		Sea/ inland water bodies
3.		Period of observation (user need to enter start date and end date)

8. Sub bottom profilling service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		name of place
2.		location
3.		Latitude and longitude
		Area to be scanned (in sq km)
		Depth of the area (in meter)
		Line / scanning interval (in meter)

9. Sub bottom profiling service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
1.		name of place
2.		location

3.		Latitude and longitude
		Area to be surveyed (in sq km)
		Scale of survey (in meter)

9. Side scan sonar observation service request form details (common fields are added in the first service request form will be applicable in each service request)

S.No	Attribute	Description
4.		name of place
5.		location
6.		Area to be scanned (in sq km)
		Depth of the area (in meter)
		Line / scanning interval (in meter)

5.5.23 Service Details Page

Users will be landed to the details of the selected service. Once the user selected a particular survey from the list, the system will land the user to the details page of the selected survey. Details page will give the basic and descriptive information about the selected survey service. Each service has their unique terms and conditions that customers need to accept. User needs to accept the terms and conditions for submitting the request, otherwise customer can not able to submit the request

The screenshot shows the 'Service Details Page' for a 'Hydrographic Survey'. The top navigation bar includes the Estrado logo, a search bar, and a user profile for Enay Walter (Admin). On the left, a sidebar menu under 'Services' lists various survey types: Hydrographic Survey, Tidal observation, Bottom sample collection, Dredging Survey, Hydrographic data/charts, Underwater videography, Current meter observations, Side scan sonar observation, Topographic survey, and Sub Bottom Profiling. Below this is a 'My Requests' section. The main content area features a large image of a blue hydrographic survey vessel at sea. A 'Request Survey' button is located in the top right corner of this area. To the right of the image, there is descriptive text about hydrographic surveying, mentioning its purpose, methods, and applications in dredging, marine constructions, and port facility development. At the bottom of this section is a 'Terms & Conditions' heading with similar descriptive text. A blue 'Accept' button is positioned at the bottom right of the main content area.

Service details page attributes

S.No	Attribute	Description
	banner	Contents about the service will be displayed
	services	Button to access homepage
	My requests	Button to access the my service module
	Submit the form	Button to go to documentation page (form)

5.5.24 Submit Form Basic Details Page

Submit form for each service having different fields . there are common fields in those seven services. Apart, there are different fields that the user needs to fill inorder to submit the form. User need to fill the details , some fields are text fields and select from option.From page will be different for each services .

1. Form page content
 - a. Name - User need to enter
 - b. designation - User need to enter
 - c. whether govt, public private - - User need to select from option
 - d. name of department type of organization - User need to select from list
 - e. other specify - User need to enter
 - f. purpose - User need to enter
 - g. brief description of type of work - User need to enter
 - h. required service HSW- User need to enter

The screenshot shows a web-based application for survey requests. At the top left is the logo of the Hydrographic Survey Wing, featuring a stylized eagle and the text "HYDROGRAPHIC SURVEY WING" and "Specialist Survey & Investigation Organization". A search bar is at the top right. On the far right, there's a user profile for "Emay Walter Admin".

The main content area is titled "Hydrographic Survey" and shows a progress bar with three steps: Step 1 (highlighted in blue), Step 2, and Step 3. The current step is "Basic Details".

The form fields include:

- Name:** Input field.
- Designation:** Input field.
- Whether Govt./Private/ Public Sector undertaking/person:** Select dropdown with options "Select", "Government", "Private", and "Others".
- Name of Department (for government departments):** Input field.
- Type of organization:** Select dropdown with options "Select", "Government", "Private", and "Others".
- Others:** Input field.
- Purpose:** Select dropdown with options "Select", "Survey", "Investigation", and "Others".
- Brief description of type of work:** Input field.
- Required service from HSW:** Input field.
- Description:** Text area.

A "Continue To Next" button is located at the bottom right of the form area.

Copyright 2022 © HSW. All Rights Reserved

Submit form basic details page attributes

S.No	Attribute	Description
	name	Field to enter customer name
	designation	Field to enter the designation
	Name of the department	Field to enter the name of the department
	Name of the firm	Field to enter the name of the firm
	Type of organization	Select from list
	If others, Please specify	If selected type is others, need to enter the type of firm
	purpose	Field to enter the purpose for the service request
	Required service from HSW checklist	Not clarified
	Brief description of type of work	Text field to enter in descriptive words.
	Next page button	Button to access the next page

5.5.25 Submit Form Location Details Page

Hydrographic Survey

Step 1 Step 2 Step 3

Location

State: Select

District: Select

Name of Place: Survey Area Location

Place Name: Latitude and Longitude

Back Continue To Next

Copyright 2022 © HSW. All Rights Reserved

Submit form location details page attributes

S.No	Attribute	Description
	state	Select state from list
	district	Select district from list
	Name of place	Field to enter the name of place
	Survey area location	Use map to access lat and long data
	Next page	Button to access the next page

5.5.26 Submit Form Survey Details Page

Submit form survey details page attributes

S.No	Attribute	Description
	Type of waterbody	Select from list
	Area of survey	Field to enter
	Scale of survey	Not clarified
	When service need to be conducted	Not clarified
	Whether interim survey needed to be conducted	Select from option (yes or no)

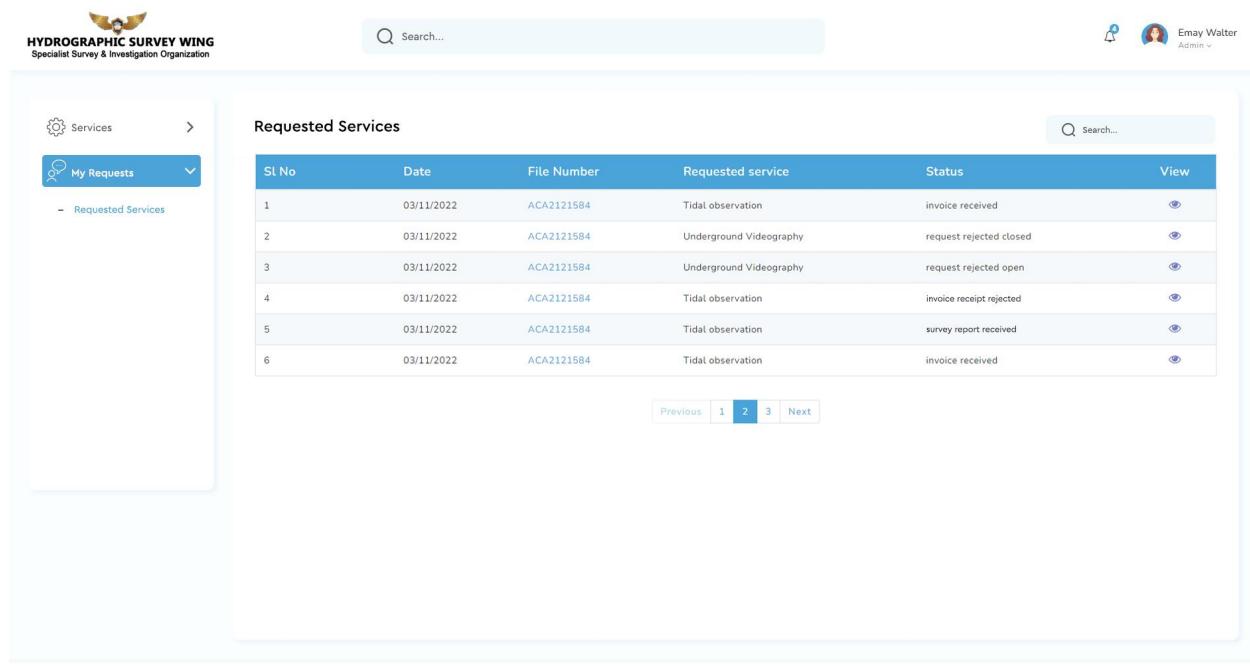
	Whether benchmark or dat chartum available in the area	Select from option (yes or no)
	Existing drawings / map showing the location	Upload function to upload files or documents
	Submit form	Button to submit the form

5.5.27 My Service Requests

Users can access all their requests received, requests will be displayed in a list with actionable only from file number. By clicking on file number will direct to the selected individual service details page.

1. Table content

- a. Date - date of the last activity happened in the service will display
- b. file number - file number of the service will display
- c. requested service - name of the service will display
- d. status - current status of the particular service will display



The screenshot shows a web application interface for managing service requests. At the top left is the logo of the Hydrographic Survey Wing, followed by a search bar and a user profile for Emay Walter (Admin). On the left, there's a sidebar with navigation links for 'Services', 'My Requests' (selected), and 'Requested Services'. The main content area is titled 'Requested Services' and displays a table with the following data:

Sl No	Date	File Number	Requested service	Status	Action
1	03/11/2022	ACA2121584	Tidal observation	invoice received	
2	03/11/2022	ACA2121584	Underground Videography	request rejected closed	
3	03/11/2022	ACA2121584	Underground Videography	request rejected open	
4	03/11/2022	ACA2121584	Tidal observation	invoice receipt rejected	
5	03/11/2022	ACA2121584	Tidal observation	survey report received	
6	03/11/2022	ACA2121584	Tidal observation	invoice received	

At the bottom of the table, there are navigation buttons for 'Previous', '1', '2', '3', and 'Next'.

My service requests page attributes

S.No	Attribute	Description
	date	Display date of the service added
	File number	File number of the service
	Requested service	Name of the requested service
	status	Current status of the requested service

5.5.28 My Service Requests Individual Service Timeline Page

Users can always access their timeline page to understand what activities are those activities done in their service. All the activities will be displayed in timeline and user can go to the specific page from the timeline itself. If a user activity needed part is required the area will be highlighted for user to identify the latest activity need to take.

The screenshot displays a web-based application interface for managing service requests. At the top, there's a header with the HYDROGRAPHIC SURVEY WING logo, a search bar, and a user profile for 'Emay Walter'. The main content area is titled 'File Number' and shows a timeline of events for a service request. The timeline is divided into two sections: '10 May 2020' and '1 Jun. 2020'. Each section lists several activity items with corresponding icons and timestamps. The activities include: 'Invoice generated to customer' (12:05, 5 mins ago), 'Feasibility study conducted' (27 mins ago), 'Feasibility Study Surveyor assigned Name: BALAGOPALACHARI' (27 mins ago), 'Assigned to Kazhakkuttom S.O.' (1 hour ago), 'H.O Accepted' (2 days ago), and 'Request submitted' (8 days ago). A green circle icon is also present in the timeline. At the bottom of the timeline, there are tabs for 'Invoice Details' and 'Timeline', with 'Timeline' being the active tab. The footer of the page includes a copyright notice: 'Copyright 2022 © HSW. All Rights Reserved'.

My service requests individual service timeline page attributes

S.No	Attribute	Description
	List []	Date , name , status of the selected service will display
	Log	Each activity occurred will display
	Basic details	Button to access activity area

5.5.29 My Service Requests - Reject Open Page Details

Users will land in this page if their request is rejected open from the admin. This page will display the remarks (reasons) for rejecting the service request, users can easily identify their errors and can edit their form from this page itself. Users can re submit the request.

The screenshot displays a user interface for managing service requests. At the top, there's a header with the organization's logo ('HYDROGRAPHIC SURVEY WING Specialist Survey & Investigation Organization') and a search bar. On the right, a user profile for 'Emay Walter Admin' is shown. The main content area is titled 'File Number' and contains details about a specific request: 'Requested Service' is 'Hydrographic Survey' and 'Status' is 'Request Reject Open'. Below this, a 'Remarks' section lists several bullet points. At the bottom right of the main content area is a blue 'Edit Form' button. The footer of the page includes a copyright notice: 'Copyright 2022 © HSW. All Rights Reserved'.

My service requests - reject open page attributes

S.No	Attribute	Description
	List []	Date , name , status of the selected service will display
	Actionable area GO TO FORM PAGE	Button to access the submitted form to edit the required

5.5.30 My Service Requests - Reject Open Page - Form editing 1

User can edit the fields ,add new texts in respect of the reason marked for rejecting the request.once the user clicks on the continue button will direct the user to next page.

The screenshot displays a web-based form titled "Hydrographic Survey" under the "Services" category. The form is divided into three main sections: "Basic Details", "Purpose", and "Required service from HSW".

- Basic Details:** Contains fields for Name, Designation, Whether Govt./Private/ Public Sector undertaking/person, Name of Department (for government departments), Type of organization, Others, and Brief description of type of work.
- Purpose:** Contains fields for Purpose and Description.
- Required service from HSW:** Contains a field for Required service from HSW.

A navigation bar on the left includes "Services" (selected), "Hydrographic Survey", "Tidal observation", "Bottom sample collection", "Dredging Survey", "Hydrographic data/charts", "Underwater videography", "Current meter observations", "Side scan sonar observation", "Topographic survey", "Sub Bottom Profiling", and "My Requests". A progress bar at the top right indicates "Step 1" is completed, "Step 2" is in progress, and "Step 3" is pending.

My service - reject open page form editing page 1 attributes

5.5.31 My Service Request -Reject Open Page - Form edit 2

User can edit each field here in respect to the reason marked for rejecting . once the user clicks on the continue button will direct the user to next page.

The screenshot displays a web-based survey application interface. At the top, there's a header with the logo 'HYDROGRAPHIC SURVEY WING' and a search bar. Below the header, a sidebar on the left shows a 'Services' dropdown with various survey types listed. The main content area is titled 'Hydrographic Survey' and is currently on 'Step 2'. It includes fields for 'Location' (State and District), 'Name of Place' (Place Name), and 'Survey Area Location' (Latitude and Longitude). At the bottom, there are 'Back' and 'Continue To Next' buttons.

My service requests - reject open - re submitting the form page 2 attributes

5.5.32 My Service Request -Reject Open Page - Form edit 3

Users can re-upload the file , if the file part is the reason for rejecting the request. Once the user completes the form and clicks on the submit button will re-submit the form to the chief hydrographer.

My service requests - reject open - re submitting the form page 3 attributes

My service requests - reject open - re submitting the form confirmation page attributes

FLOW and PAGES EXACTLY SAME LIKE REQUESTING FOR A SERVICE. SUBMIT FORM HAVE DIFFERENT FIELDS .

5.5.33 My Service Requests - Reject closed Page

Admin can reject the request forever. Reject with closed requests can not be further activated from both sides. Once the request is rejected it is closed. Users will receive the notification and remarks for rejecting and can not make further transactions.

The screenshot shows the Estrado software interface. On the left, there's a sidebar with 'Services' and a dropdown menu showing 'My Requests' (selected) and 'Requested Services'. The main content area has a header 'File Number' and sections for 'Requested Service' (Hydrographic Survey) and 'Status' (Request Reject Closed). Below these, under 'Remarks', there's a list of placeholder text items. At the bottom of the main panel, a red box contains the message: 'This request file is Rejected CLOSED. There will be no transaction from here onwards allowed.'

Copyright 2022 © HSW. All Rights Reserved

Reject closed page attributes

S.No	Attribute	Description
	Name of the service and status	Will display the name and status of the service.
	Remarks	Will display the remarks

5.5.34 My Requests Individual Service - Invoice received details Page (change)

Users will be receiving invoices to their account once the field study is completed . users need to pay for the survey study in advance, a challan mod of payment is required so here customers will have the feasibility to download the received invoice and pay the challan. Once the user completes the payment, they need to upload the receipt to pull this to admin verification. Only after verification , survey study will be initiated.

1. Customers will have both options to download the invoice received and upload the receipt from the same page.
2. Once the receipt is uploaded and the customer clicks on the submit button will send the receipt to the account officer.
3. Customer will receive the proforma invoice first . users can accept or reject the invoice . If the user accepts the invoice, the user will receive the final invoice which they need to make payment. If the user rejects the proforma invoice, it will cancel the service entirely.
4. Users will have multiple upload options to be given for uploading the receipts.

The screenshot displays a web-based application interface for managing survey requests. At the top, there's a header with the logo of 'HYDROGRAPHIC SURVEY WING' and a search bar. On the right, a user profile for 'Emay Walter' (Admin) is shown. The main content area is titled 'File Number' and contains an 'INVOICE' section. The invoice is addressed to 'Hi Terry' and is for a payment of \$450.00 (USD) for survey works. It includes fields for 'Bill From' (Email: hts@example.com) and 'Bill To' (Email: ctp@example.com). The invoice details a service with three items, each with dummy text descriptions. The total amount is ₹450.00, with breakdowns for Subtotal, Vat Rate (20%), Vat Due, and a TOTAL of ₹450.00. Below the invoice, there are 'Download' and 'Print' buttons. At the bottom, there's a section for 'Upload receipt' with a cloud icon and a placeholder text 'Drop files here or click to upload.' A 'Submit' button is located at the bottom right of this section. The footer of the page includes a copyright notice: 'Copyright 2022 © HSW. All Rights Reserved'.

My requests individual service - invoice generated page attributes

S.No	Attribute	Description
	Invoice	Received invoice will display
	Download / print	Button to download or print.
	Actionable area UPLOAD receipt	Upload the receipt file/ documents
	Submit receipt	Button to submit/ send the receipt

5.5.35 Invoice receipt rejected

User submitted receipts can be rejected by the authorities. If the submitted receipt is not clarified or valid. The receipt will be rejected and the customer needs to resubmit/ re-upload the receipt . unless the survey study will not be initiated.

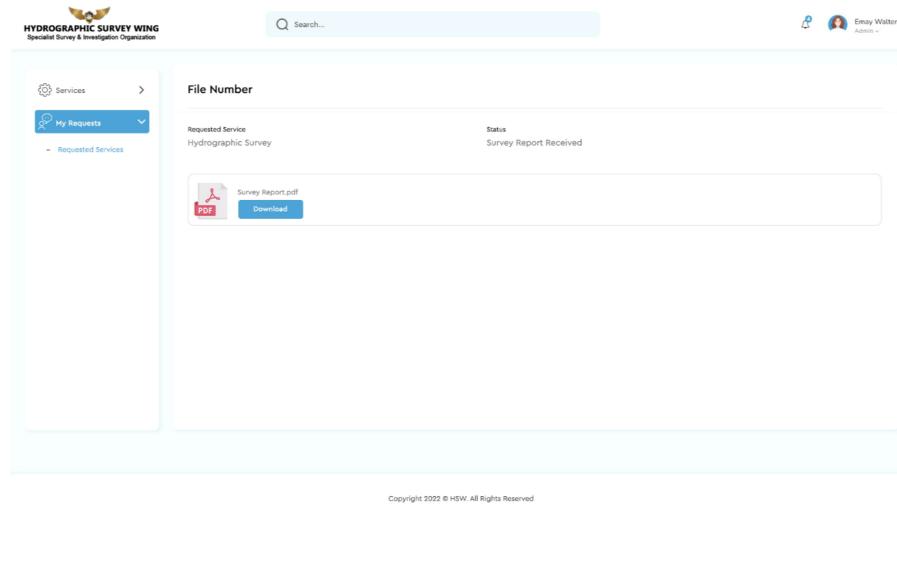
The screenshot shows a web interface for managing survey requests. On the left, there's a sidebar with 'Services' and 'My Requests' selected. The main content area has a header 'File Number' and shows a 'Requested Service' of 'Hydrographic Survey'. The 'Status' is listed as 'Invoice receipt rejected'. Below this, there's a 'Remarks' section containing several lines of placeholder text. At the bottom, there's an 'Upload receipt' section with a cloud icon and a 'Submit' button. The footer of the page includes a copyright notice: 'Copyright 2022 © HSW. All Rights Reserved'.

Invoice rejected page attributes

S.No	Attribute	Description
	remarks	Will display the super admin added remarks
	Actionable area UPLOAD receipt	Upload the receipt file/ documents
	submit	Button to send receipt.

5.5.36 My Requests Individual Service - survey report received

Once the survey study is complete the chief hydrographer will send the survey report to the customer . the user will receive the report from the system and can download the report. Report will be an E signature given .

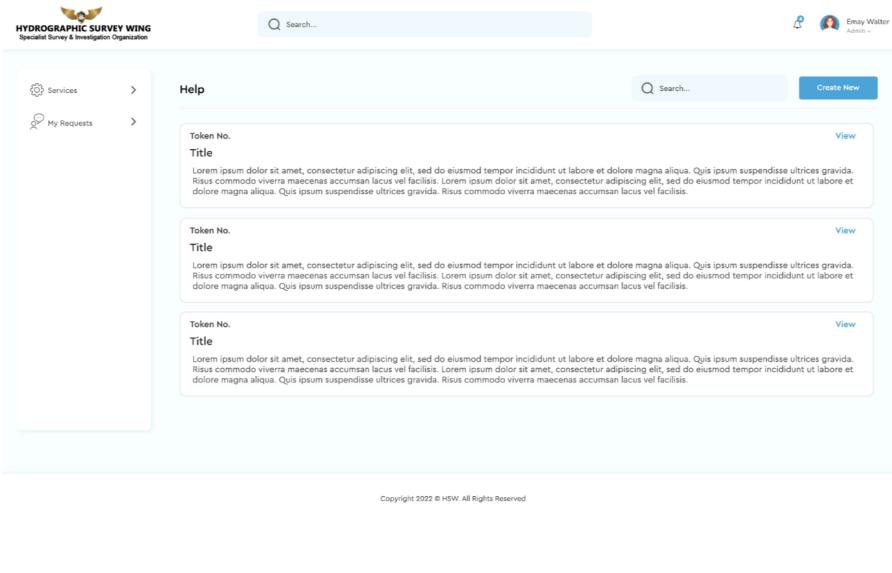


Survey report received page attributes

S.No	Attribute	Description
	Service name and status	Will display the name of the service and current status.
	Report - download	Button to download the report (pdf file)

5.5.37 Get help/ support page

Users can access and avail the help/ support . This page will display all the support tokens that a user has created so far. The communications happening inside each token will be displayed once the user clicks a particular token. Users can create a new token if they have an issue.

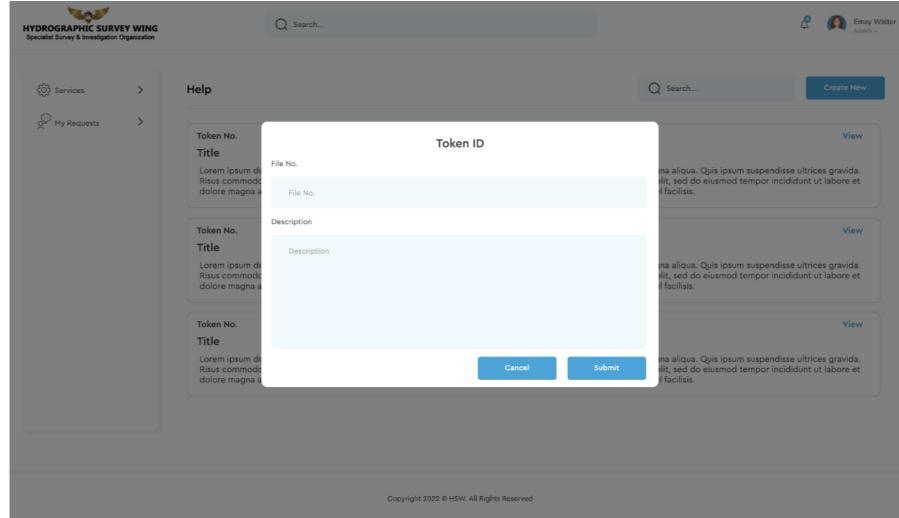


Get help/ support page attributes

S.No	Attribute	Description
	Create token	Button to create new token
	Tokens	Tile view of previously created token with pages inside

5.5.38 Get help/ support individual page

Users can avail support from the officials from the support page. Users can create a token giving the detailed description of their issues including the file number and once the token is submitted admin will receive and verify and will receive the replay inside the issue raised page.



Get help / support individual page attributes

S.No	Attribute	Description
	File number	User need to enter file number
	description	User need to enter the issue descriptively
	Submit	Button to send this to admin
	Cancel	Button to cancel the token and go back to the support page.

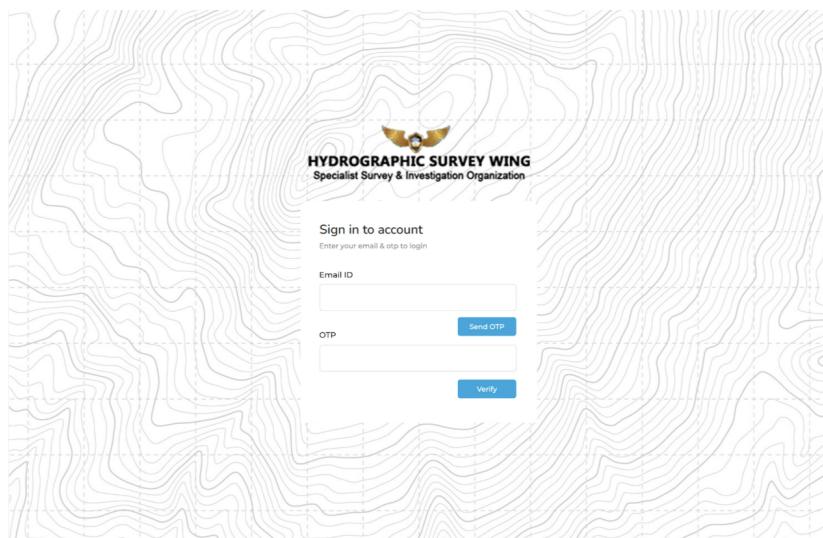
6 Surveyor Web Panel

6.1.1 Login

Surveyors have a web panel module , web panel module only giving the permission to upload files which cannot be uploaded using mobile devices. Surveyors can log in to their profile in a web panel and upload documents in the reports which are submitted from their mobile application.

Surveyors can only submit the documents from web module. No other permissions or actions can be performed.

Login



1. surveyor can login to the system by entering the Email id. Once the user enters the mail id , the system will send an OTP to the mail id . Users need to enter the OTP to successfully login to the system.

Login page attributes

S.No	Attribute	Description
	Email id / ?	Field to Enter users email id
	password	Field to Enter the password
	login	Button to verify the credentials and log into homepage

6.1.2 Service and Requests List Page

Users can access the service page. Users can access the upload file to the report and verify the invoice prepared by draftsman or filed assistant.

SL.NO	DATE	NAME	FILE NO	EMAIL ID	REQUESTED SERVICE	STATUS
1	22-09-2022	Terry	AHES550779	a.terry@datatabases.net	Hydrographic survey	Pending
2	22-09-2022	Kenos	AHES550779	a.kenos@datatabases.net	Total observation	Invoice submitted by draftsman (name)
3	22-09-2022	Chloe	AHES550779	a.chloe@datatabases.net	Current meter survey	Completed
4	22-09-2022	Wagner	AHES550779	b.wagner@datatabases.net	Hydrographic chart	Pending
5	22-09-2022	Nash	AHES550779	b.nash@datatabases.net	Hydrographic chart	Completed
6	22-09-2022	Watson	AHES550779	c.watson@datatabases.net	Hydrographic chart	Pending

Service and request list page attributes

S.No	Attribute	Description
	date	Date of the service request accepted
	First name	Name of the customer requested
	File number	File number of the requested service
	Email id	Email id of the customer
	service request	Name of the service request received
	status	Current status of the service

6.1.3 Accepted Service Individual Page - Upload Document page

Users can upload the files which cannot be uploaded from the mobile device. Users can select the file number which the files need to upload by clicking the particular file number. It will land the user to details where user can upload the files

Accepted service individual page attributes

S.No	Attribute	Description
	Uploaded documents	Files uploaded from mobile device will display
	Field captures	Images uploaded from mobile device will display
	Upload documents	Upload function to upload documents or files
	Select recipient	Recipient select from list option
	Send report	Button to send report to the selected recipient
	Report form	Button to access the report form page

6.1.4 Accepted Service - invoice submitted by draftsman / field assistant page

Users can view once the draftsman submitted the invoice. Users need to verify the invoice created and can mark as verified to escalate to higher authorities. Once the user selects a file which the draftsman created invoice , the system will land the user to that specific page. Users can mark the invoice as verified.

The screenshot shows a web-based application interface for managing survey requests. At the top, there's a header with the 'HYDROGRAPHIC SURVEY WING' logo and a sub-header 'Surveyor Survey & Navigation Organization'. Below this, a sidebar on the left displays a profile picture of 'James Surveyor' and a button labeled 'Services And Requests'. The main content area is titled 'Services And Request' and contains the following sections:

- File No:** SD25558
- Name:** Terry
- Type of firm:** Private
- Mobile No:** +91 7589153284
- Name of the firm XYZ organization**
- Email ID:** xyz@gmail.com
- Valid ID proof:** XJ-457/225478632
- Date:** 25-09-2022
- Submitted service:** Hydrographic survey
- Status:** Draftman invoice submitted

Below this, there's a section for the 'Bill Invoice No #123456' containing placeholder text for service details like name, service code, and description. Further down, there's a 'Made of payment' section with two items listed. At the bottom, there's a table for 'SERVICES' with three entries, each with a description and an 'AMOUNT' column.

SERVICES	AMOUNT
1. Lorem ipsum Logo and business cards design	120.00
2. Lorem ipsum Design/Development for all popular modern browsers	240.00
3. Lorem ipsum	40.00

Page attributes

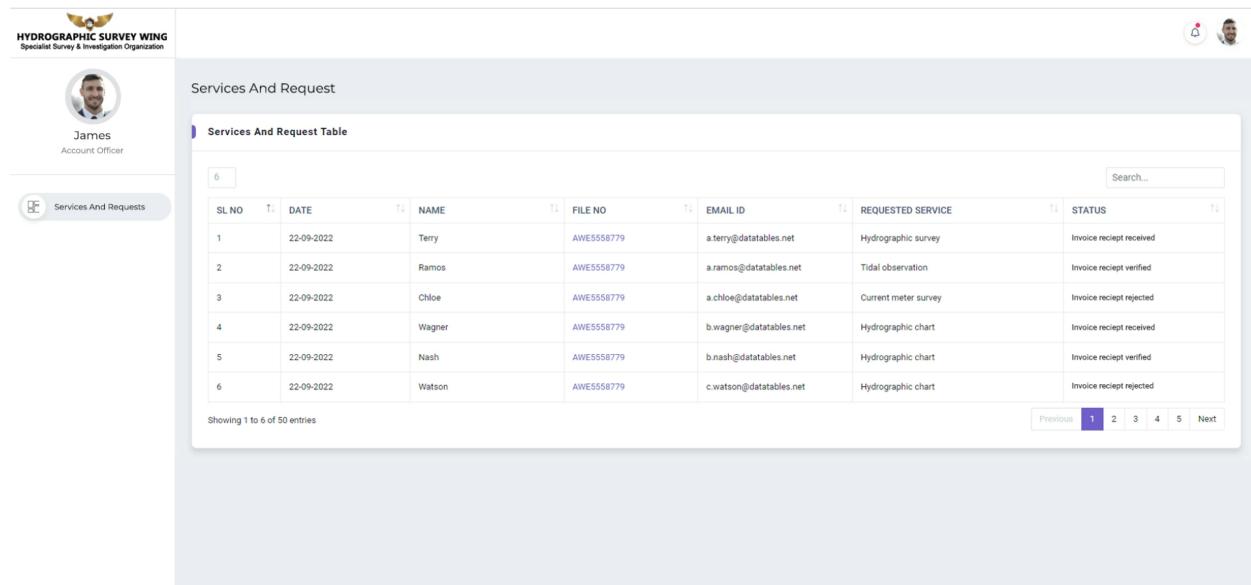
S.No	Attribute	Description
	Invoice	Invoice submitted by the surveyor will be displayed
	verify	Button to mark the invoice as verified and will notify the Marine surveyor
	reject	To send the reassignment to the draftsman to create the invoice

7 Accounts officer

Accounts officer is the person who is acting as the receipt verifying inside the system. All the customer submitted payment receipts will be directed to the accounts officer module and the accounts officer will be validating/ verifying the receipts. Accounts officer will not having any other functionalities.

7.1.1 Service request page

Users can view and access the service request page to identify the received customer receipt . once a new receipt received from a customer will be notified in the notification page as well in the service request page.



The screenshot shows a user interface for managing service requests. At the top left is the 'HYDROGRAPHIC SURVEY WING Specialist Survey & Investigation Organization' logo. On the right, there are profile icons for a user named 'James' and another user. Below the header, the title 'Services And Request' is displayed, followed by a sub-section titled 'Services And Request Table'. A table lists six entries, each representing a service request:

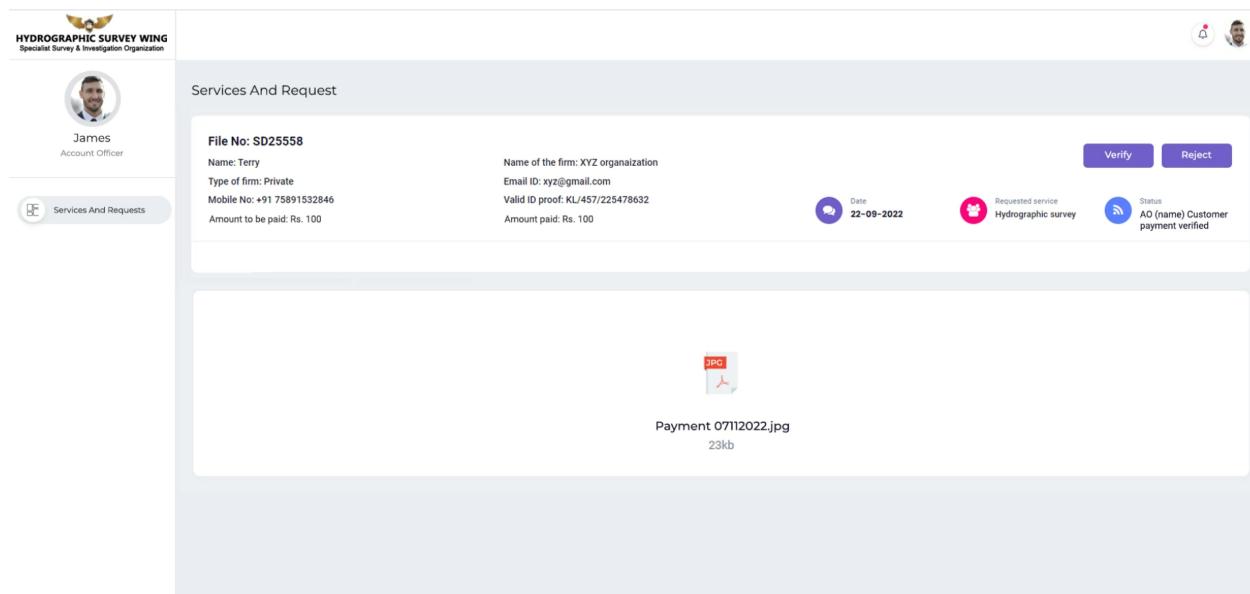
SL NO	DATE	NAME	FILE NO	EMAIL ID	REQUESTED SERVICE	STATUS
1	22-09-2022	Terry	AWE5558779	a.terry@datatables.net	Hydrographic survey	Invoice receipt received
2	22-09-2022	Ramos	AWE5558779	a.ramos@datatables.net	Tidal observation	Invoice receipt verified
3	22-09-2022	Chloe	AWE5558779	a.chloe@datatables.net	Current meter survey	Invoice receipt rejected
4	22-09-2022	Wagner	AWE5558779	b.wagner@datatables.net	Hydrographic chart	Invoice receipt received
5	22-09-2022	Nash	AWE5558779	b.nash@datatables.net	Hydrographic chart	Invoice receipt verified
6	22-09-2022	Watson	AWE5558779	c.watson@datatables.net	Hydrographic chart	Invoice receipt rejected

Below the table, it says 'Showing 1 to 6 of 50 entries' and has navigation buttons for 'Previous' and 'Next' with page numbers 1, 2, 3, 4, 5.

7.1.2 Invoice received individual page

Users can access the details page by selecting a particular customer file number. Once the user clicks on the file number will lead the customer to an individual page where the user can access the receipt customer submitted. Users can open the file and mark it verified once the receipt is complete or can mark as rejected if the receipt is not complete.

Users can mark the receipt as verified once the receipt is verified complete. Users can click on the verify button to verify, once the user is marked as verified, the chief hydrographer will be notified and will be initiating the survey study assignment.



7.1.3 Invoice received - rejected

Once the user identifies the receipt that the customer submitted is not valid or not completed can reject the receipt. Once the user rejects the receipt the chief hydrographer will be notified as the receipt is rejected and the chief can notify the customer. User needs to mark the reason as remarks if rejecting the receipts. Super admin (chief hydrographer will receive the remarks).

The screenshot shows a web-based application interface for managing survey requests. At the top left is the logo of the Hydrographic Survey Wing, followed by the text "Specialist Survey & Investigation Organization". On the right side, there are icons for notifications and user profile.

The main area is titled "Services And Request". A user profile for "James" (Account Officer) is displayed. The form fields include:

- File No:** SD25558
- Name:** Terry
- Type of firm:** Private
- Mobile No:** +91 75891532846
- Amount to be paid:** Rs. 100
- Name of the firm:** XYZ organization
- Email ID:** xyz@gmail.com
- Valid ID proof:** KL457/225478632
- Amount paid:** Rs. 100

On the right side of the form, there are three status indicators:

- Date:** 22-09-2022
- Requested service:** Hydrographic survey
- Status:** AO (name) Customer payment verified

Below the form, there is a preview of a PDF file named "Payment 07112022.jpg" (23kb). The bottom section contains a "Remark*" field with placeholder text in Latin.

7.1.4 Service - Invoice generated

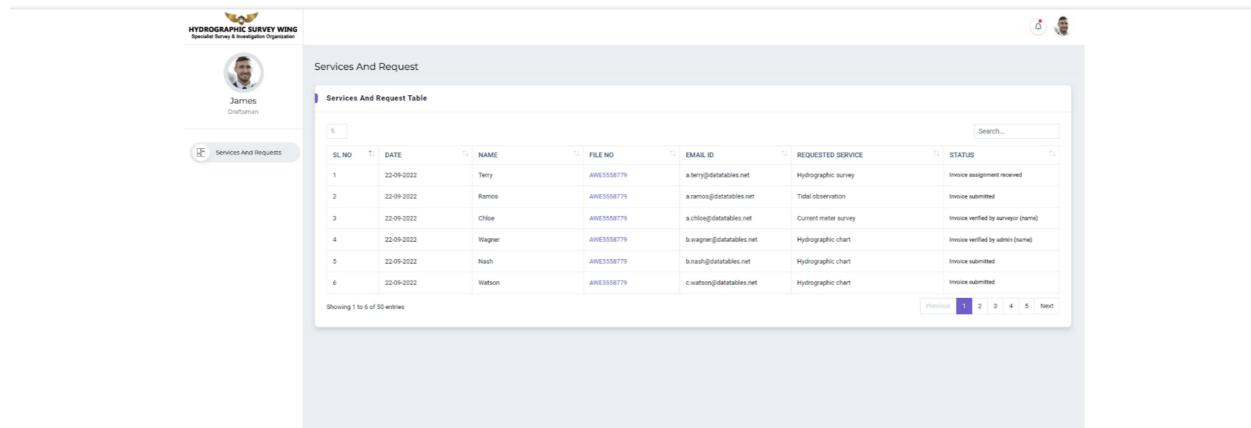
Users will be notified if the CH (SUPER ADMIN) assigned survey study without the payment required. Once the invoice is prepared and CH directly assigned the survey study will be notified by the accounts officer. Every invoice generated will be displayed and CH assigned survey study without payment will be displayed.

8 Field assistant / draftsman

Field draftsman is the user who is preparing the invoice. Field assistant or draftsman will be receiving the report with ETA and remarks added from the chief hydrographer. User needs will be having an invoice template where users can add the value in each field. Users need to send once the invoice is created to the assistant marine surveyor for verification.

8.1.1 Service and request page

Users can view and access the service request page to identify the report received for invoice preparation . Once a new report is received from the chief hydrographer, users will be notified in the notification page as well as in the service request page. Users can open the details page by selecting the file number.



The screenshot shows a web-based application interface titled 'Services And Request'. At the top left is the logo of the Hydrographic Survey Wing, followed by the text 'Special Survey & Investigation Organisation'. On the left side, there is a sidebar with a profile picture of a user named 'James Draftsman' and a button labeled 'Services And Requests'. The main content area is titled 'Services And Request Table' and contains a table with the following data:

SL NO	DATE	NAME	FILE NO	EMAIL ID	REQUESTED SERVICE	STATUS
1	23-09-2022	Terry	AWE3558779	a.terry@datatables.net	Hydrographic survey	Invoice assignment received
2	22-09-2022	Ramos	AWE3558779	a.ramos@datatables.net	Tidal observation	Invoice submitted
3	22-09-2022	Chloe	AWE3558779	a.chloe@datatables.net	Current meter survey	Invoice verified by surveyor (name)
4	22-09-2022	Wagner	AWE3558779	b.wagner@datatables.net	Hydrographic chart	Invoice verified by admin (name)
5	22-09-2022	Nash	AWE3558779	b.nash@datatables.net	Hydrographic chart	Invoice submitted
6	22-09-2022	Watson	AWE3558779	c.watson@datatables.net	Hydrographic chart	Invoice submitted

At the bottom of the table, it says 'Showing 1 to 6 of 50 entries'. To the right of the table, there are buttons for 'Previous', 'Next', and page numbers 1, 2, 3, 4, 5.

8.1.2 Service and request page- individual page details (changes)

Users can view the received report from the chief hydrographer. Users can view the report with ETA and remarks added by the chief hydrographer. Users can prepare an invoice by selecting the create invoice button to open the template and users can add value in the fields by referring to the report.

The screenshot shows a web-based application interface for managing survey requests. At the top, there's a header with the logo of the Hydrographic Survey Wing and a user profile for 'James'. Below the header, the main title is 'Services And Request'. A sub-header 'File No: S025558' is displayed. The page is divided into several sections:

- Basic Details:** Includes fields for Name, Type of Activity (e.g., Private), Address of the User, Email ID, and Mobile Number.
- Report with ETA:** Shows a summary of the survey plan, including Date & Time of Inspection (29-09-2022, 10:20am), Name of the surveyor, and details about the field inspection.
- Create Invoice:** A prominent blue button at the top right.
- Submitted Forms:** A section showing various forms and documents, each with a preview thumbnail and file name (e.g., image.jpg, document.pdf).
- ETA:** A table showing Estimated Time of Arrival (ETA) details, including General Area, Location, Type of Survey, and Number of days required.
- Uploaded Images:** A grid of five image thumbnails labeled 'image.jpg'.
- Uploaded Documents:** A grid of five document thumbnails labeled 'document.pdf'.
- Remarks:** A text area containing placeholder text about communication regarding the report.
- Create Invoice:** A blue button at the bottom right.

S.No	Attribute	Description
	Basic details	Display the basic details
	Report with ETA	Display the received field study report including ETA
	Create invoice	Button to create an invoice.

8.1.3 Service and request page- create invoice page details

Once the user clicks on the invoice button will allow the user to use invoice template added. Invoice template will have the fields where user needs to add values based on the report received and once the user prepared the invoice can send to assigned authority by clicking the submit button.

Here , we need to add a proforma invoice along with the original invoice that can be sent to ultimately CH , CH can send the performance to the customer first , once the customer accepts the performa, CH can send the original invoice. If a customer rejected the performa , service will be canceled and cannot be opened again.

The screenshot shows a web-based application interface titled 'Services And Request'. At the top left is a user profile for 'James' and a 'Logout' button. The main content area is divided into sections:

- Create Invoice**: Fields include 'Bill / Invoice No.', 'Date', 'Name of Work', 'Service code (SAC)', 'Description of Service', and 'Mode of payment'.
- Details Of Receiver (Billed To)**: Fields include 'Name*', 'Address*', 'GSTIN Unique ID*', and 'State Code'.
- Taxable Bill Value**: A table with columns 'Rate (%)', '%, Amount', and 'Tax Rate (%)'. It lists items like CGST, SGST, IGST, and TOTAL INVOICE VALUE (IN POUNDS) and TOTAL INVOICE VALUE (IN WORDS).

Page attributes

S.No	Attribute	Description
	Invoice number	
	date	
	Name of work	
	Work order number and date	
	Service code SAC	

	Description of service	
	Name of organization	
	Mode of payment	
	Details of the payments	
	Address of the recipient	
	Details of the receiver	
	Name	
	address	
	State code	
	GSTIN unique id	
	Invoice fields to add amount	
	Declaration	
	signature	
	seal	

8.1.4 Service request - MS verified survey report

Users will receive notification once the marine surveyor verified the survey report. Draftsmen mapped under the head office will only be notified and they need to verify the survey report to notify the assistant marine surveyor in head office - once the assistant marine officer is verified , the survey report will be sent to the assistant cartographer for verification.

The screenshot displays a software application window titled "James Super Admin". On the left, a sidebar lists various administrative functions: Dashboard, User Role Management, Customers, Services And Requests (which is currently selected), New Service Request, Requested service, E Signature, Head And Offices, Repository Management, Report Management, and Support Management. The main content area shows a service request for file number S025558. The request details include:

- Basic Information:** Name: Terry, Type of firm: Private, Mobile No: +91 75891532846, Name of the firm: XYZ organization, Email ID: xyz@gmail.com, Valid ID proof: KL457/225478632.
- Date & Time of inspection:** 29-09-2022, 10:20am.
- From Hydrographic survey wing:** (Status: Requested service)
- Location:** (Status: Field study report & ETA received)
- ETA:** General Area: (Status: ETA)
- Scale of survey recommended:** (Status: ETA)
- Uploaded Images:** Five thumbnail images labeled "Image.jpg" with sizes ranging from 4 KB to 6 KB.
- Uploaded Documents:** Five document thumbnails with sizes ranging from 4 KB to 6 KB.

At the top right, there are "Assign" and "Reject" buttons. Below the status indicators, there are "Date" (22-09-2022), "Requested service" (Hydrographic survey), and "Status" (Field study report & ETA received).

8.1.5 E-signature Pending page.

Users can identify the customer which is pending the e signature process. E signature pending customers will be displayed and the user can access the individual page by selecting a particular customer from the list.

The screenshot shows a web-based application interface for managing e-signatures. On the left is a sidebar with a user profile for 'James Super Admin' and a navigation menu with items like Dashboard, User Role Management, Customers, Services And Requests (which is selected), New Service Request, Requested service, E Signature, Head And Offices, Repository Management, Report Management, and Support Management. The main content area is titled 'E Signature' and contains a table titled 'E Signature Table'. The table has columns for SL NO., DATE, NAME, DATE, E MAIL, REQUESTED SERVICE, and DOCS. It lists six entries, each with a 'File' button next to the DOCS column. The entries are:

SL NO.	DATE	NAME	DATE	E MAIL	REQUESTED SERVICE	DOCS
1	22-09-2022	Terry	2013/04/21	a.terry@datasables.net	Hydrographic survey	
2	22-09-2022	Ramos	2001/10/15	b.ramos@datasables.net	Total observation	
3	22-09-2022	Chloe	2018/03/12	b.Chloe@datasables.net	Underground Videography	
4	22-09-2022	Wagner	2013/07/14	b.wagner@datasables.net	Current meter survey	
5	22-09-2022	Nash	2015/05/03	b.nash@datasables.net	Hydrographic chart	
6	22-09-2022	Watson	2013/9/7	c.watson@datasables.net	Hydrographic chart	

At the bottom of the table, it says 'Showing 1 to 6 of 50 entries' and has navigation buttons for 'Previous', '1', '2', '3', '4', '5', and 'Next'.

Esignature page attributes

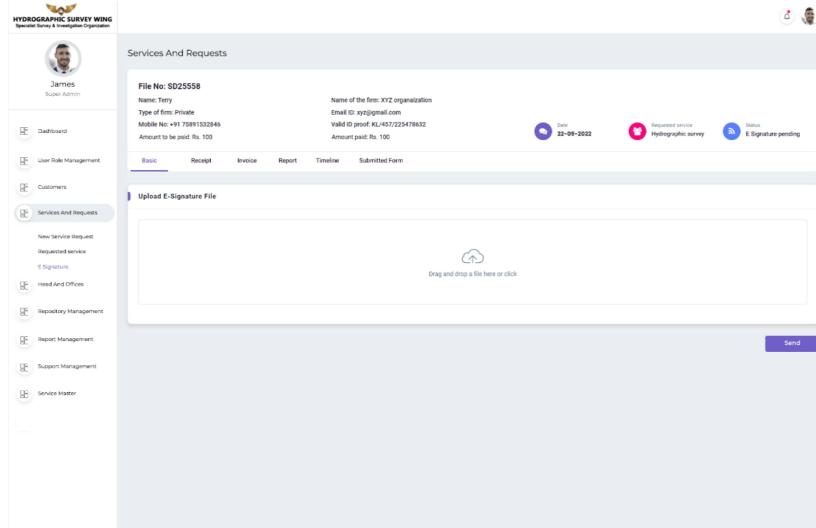
S.No	Attribute	Description
	date	Date of this file added to e signature list
	First name	First name of the customer will display
	Last name	Last name of the customer will display
	Mobile number	Mobile number of the customer will display
	Email id	Email id of the customer will display
	Requested services	Name of the service will display
	Documents / file [actionable point]	Final report from the admin will display

Page attributes

S.No	Attribute	Description
	report	Will display the report
	verify	Button to mark the report as verified

8.1.6 E- signature Individual Page Details

Users need to upload the signature given file , once the user uploads the file, can send the file to the customer by clicking the send button. Customers will be receiving the report in their account web module also, email notification will be sent.



E signature individual page details

S.No	Attribute	Description
	Basic details	Customer name, file number, last name, requested service name
	File / document upload function	E signature given file needs to upload.
	Send report to customer and save file in repository	Button to send notification and to add the e signature generated file to the repository, linked confirmation page. Once the report send, CH will be notified .

9 Deputy hydrographer

9.1.1 Service - field study report with ETA received

Users will receive the Field study report including ETA from marine surveyor , users can reject the report if it seems need more clarity. Users need to verify the report to send the report to super admin (CH). Once the user verifies the report , CH will be notified. Users can add remarks on the report received.

The screenshot shows a software application for managing service requests. On the left is a sidebar with navigation links: Dashboard, User Role Management, Customers, Services And Requests (which is selected), New Service Request, Requested service, E Signature, Head And Offices, Repository Management, Report Management, and Support Management. The main content area has the following sections:

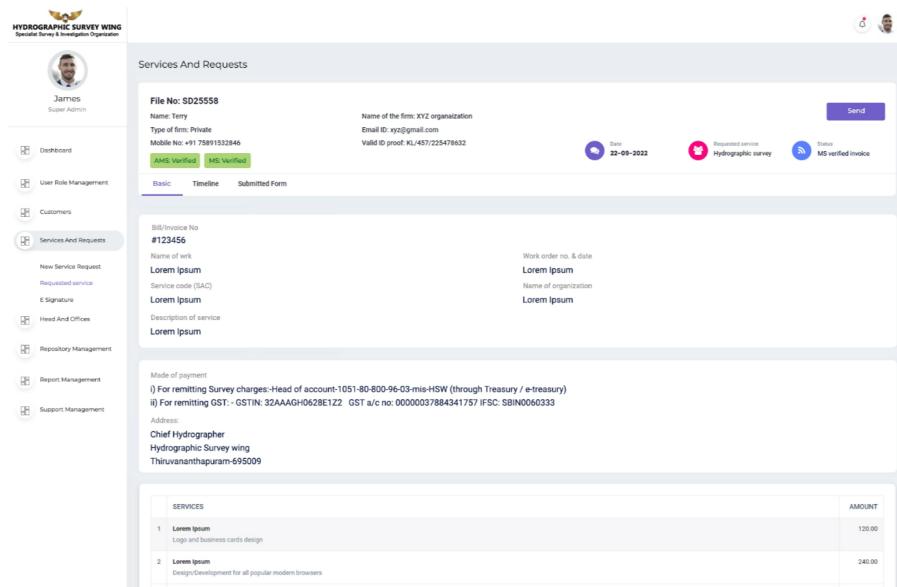
- File No: SD25558**
- Name:** Terry
- Type of firm:** Private
- Mobile No:** +91 78991532846
- Name of the firm/XXZ organization:** XYZ
- Email ID:** xyz@gmail.com
- Valid ID prof:** KL457/225478932
- Date & Time of inspection:** 29-09-2022, 10:20am
- Name of department/ firm with which reconnaissance survey is conducted:** From Hydrographic survey wing
- Name of officers participating in field inspection:** Lorem ipsum
- Type of water body:** Lorem ipsum
- Location:** Lorem ipsum
- Limit of survey area:** Lorem ipsum
- ETA**
- General Area:** Lorem ipsum
- Scale of survey recommended:** Lorem ipsum
- Location:** Lorem ipsum
- Type of survey:** Lorem ipsum
- No. of days required:** Lorem ipsum
- Charges:** 1000
- Uploaded Images:** Five thumbnail images labeled image.jpg (edit).
- Uploaded Documents:** Five placeholder boxes for uploaded documents.

Page attributes

S.No	Attribute	Description
	report	Will display the report
	Reject	Button to re assign the surveyor
	verify	Button to mark the report as verified

9.1.2 Invoice verified by Admin (name)

Users will receive the invoice prepared by draftsman, user under the hierarchy needs to verify, once the DH receives the invoice user can either reject or mark as verified. Once the invoice is rejected, the person who created the invoice will receive the re assignment. If the user marked as verified the CH will be notified.

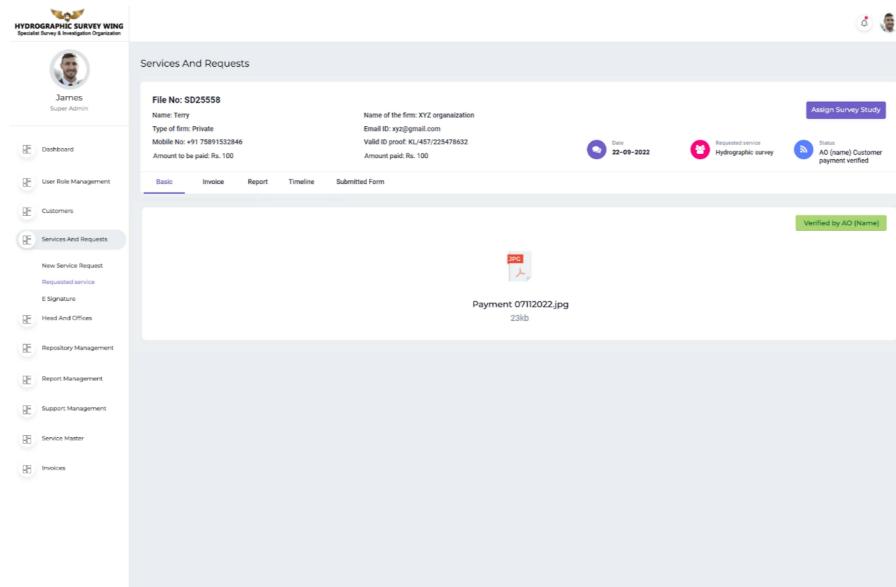


Page attributes :

S.No	Attribute	Description
	Verified status	verified status will display
	Verify	Button to mark the invoice as verified

9.1.3 Service - Accounts officer verified the receipt

Users will be notified once the customer submits the receipt and accounts officer verified. Once the user receives the notification, the user needs to mark it verified from his part and once it's marked as verified, CH (super admin) will be notified as DH verified the receipt.



Page attributes :

S.No	Attribute	Description
	Verified status	verified status will display
	Verify	Button to mark the invoice as verified

9.1.4 Assistant cartographer verified the survey report

Users will be notified once the Assistant cartographer verified the survey report . Once the user receives the notification, the user needs to mark it verified from his part and once it's marked as verified, CH (super admin) will be notified as DH verified the survey report.

The screenshot shows a software interface for managing survey requests. On the left, a sidebar menu lists various administrative functions: Dashboard, User Role Management, Customers, Services And Requests (selected), New Service Requested, Requested service, E Signature, Head And Offices, Repository Management, Report Management, and Support Management. The main content area displays a survey request with the following details:

- File No:** SD25558
- Name:** Terry
- Type of firm:** Private
- Mobile No:** +91 7589153246
- Name of the firm:** XYZ organization
- Email ID:** xyz@gmail.com
- Valid ID proof:** KL/457/225478632
- Date:** 22-09-2022
- Requested service:** Hydrographic survey
- Status:** Field study report & ETA received

The **Basic** tab is selected, showing the following data:

- Date & Time of inspection:** 29-09-2022, 10:20am
- Name of department/ firm with which reconnaissance survey is conducted:** Lorem ipsum
- Name of officers participating in field inspection:** Lorem ipsum
- Type of water body:** Lorem ipsum
- From Hydrographic survey wing:** Lorem ipsum
- Location:** Lorem ipsum
- Limit of survey area:** Lorem ipsum

The **Timeline** tab shows:

- ETA:**
 - General Area:** Lorem ipsum
 - Scale of survey recommended:** Lorem ipsum
 - Location:** Lorem ipsum
 - Type of survey:** Lorem ipsum
 - No. of days required:** Lorem ipsum
 - Charges:** 1000

The **Submitted Form** tab is currently empty.

Below the main content, there are sections for **Uploaded Images** and **Uploaded Documents**, each containing five thumbnail preview images.

Page attributes:

S.No	Attribute	Description
	Verified status	verified status will display
	Verify	Button to mark the invoice as verified
	Reject	Button to revoke the report to surveyor with remarks