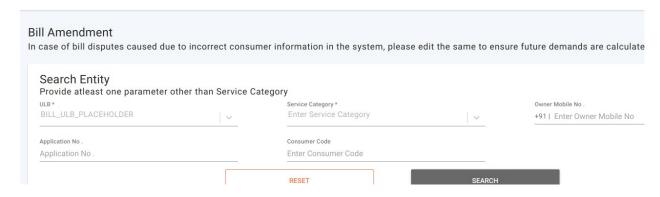
Bill Amendment

Search Receipt

Objective

Provide Employee to search Amendment Applications.

Route - https://egov-micro-dev.egovernments.org/employee/bill-amend/search



Technical Implementation Details

Initial page. https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/search.js
Initial MDMS call is being made on page load.

```
beforeInitScreen: (action, state, dispatch) \Rightarrow \{
 getData(action, state, dispatch);
 const tenantId = process.env.REACT APP NAME === "Employee" ? getTenantId() : JSON.parse(getUse
 if (tenantId) {
    dispatch(prepareFinalObject("searchScreen", { tenantId: tenantId }));
    const ulbComponentJsonPath = "components.div.children.searchCard.children.cardContent.childr
    const disableUlb = process.env.REACT_APP_NAME === "Citizen" ? false : true;
   dispatch(
     handleField(
       ulbComponentJsonPath,
        "props.value",
       tenantId
   dispatch(
     handleField(
       ulbComponentJsonPath,
        "props.disabled",
       disableUlb
```

```
1billGineiURL: "egov-searcher/bill-genie/waterbills/_get"
2businessService: "ws-services-calculation"
3code: "WS"
4collectionModesNotAllowed: ["DD"]
```

5demandUpdateTime: 86400000

6isAdvanceAllowed: true 7isBillAmendmentEnabled: true 8isVoucherCreationEnabled: false 9partPaymentAllowed: true

Service Category In Amendment screen is shown Based on the isBillAmendmentEnabled flag present in the MDMS moduleName: "BillingService", masterDetails: name: "BusinessService".

All the Forms and its functionality are in

https://github.com/egovernments/frontend/tree/master/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/searchResources - Connect to preview path.

Table rendering is taken care in https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/searchResources/searchResults.js

The BillAMD search API and formatting data is in done in

https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/searchResources/searchResults.js

In Bill Amendment search happens based on the results from the Amendment search and Individual Module search details based on the given search criteria.

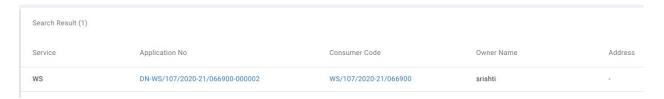
https://github.com/egovernments/frontend/blob/develop/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/searchResources/function.js

Table Structure

MUIDataTable is used to implement Table component. Every columns are entry given as an Object

```
1{
2 labelName: "Bill No.",
3 labelKey: "BILL_COMMON_SERVICE_TYPE",
4}
```

Any customizations at column level are by customBodyRender hook available in all the columns 'option' property.



Data fetch, load and render

Once the data is fetched using API, the returned data is formatted and dispatched to redux https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/searchResources/function.js

```
let data = billTableData.map(item => ({
  ['BILL COMMON SERVICE TYPE']: item.businessService || "-",
  ["BILL_COMMON_APPLICATION_NO"]: item.amendmentId || "NA",
  ["PAYMENT COMMON CONSUMER CODE"]: item.consumerCode || "-",
  ['BILL COMMON TABLE COL CONSUMER NAME']: item.consumerName || "-",
  ['BILL_COMMON_TABLE_CONSUMER_ADDRESS']: item.consumerAddress || "-",
  ['BILL COMMON TABLE COL STATUS']: item.status || "-",
  ["TENANT_ID"]: item.tenantId || '',
  ['BUSINESS_SERVICE']: item.businessService || "-",
  ['SERVICE CONST']: item.businessService == 'WS' ? 'WATER' : (item.businessService == 'SW' ? 'SEWER
  ['CONNECTION TYPE']: item.connectionType || "NA"
dispatch(
 handleField(
    "components.div.children.searchResults",
    "props.data",
   data
dispatch(
 handleField(
    "components.div.children.searchResults",
   billTableData
```

As we can see from the image above, the data is put to specific path inside props. https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-billamend-dev/src/ui-config/screens/specs/bill-amend/searchResources/searchResults.js

Table component now fetches the data from its props as shown below.

```
▼ searchResults:
```

componentJsonpath: "components.div.children.se
componentPath: "Table"

▼ props:

- ▶ columns: (13) [{...}, {...}, {...}, {...}, {...},
- ▶ customSortColumn: {column: "Bill Date", sort
- ▼ data: Array(2)
 - ▶ 0: {BILL COMMON SERVICE TYPE: "WATER", BIL
 - ▶ 1: {BILL_COMMON_SERVICE_TYPE: "WATER", BIL
 - length: 2
 - ▶ proto : Array(0)
- ▶ options: {filter: false, download: false, re

API Used

- 1. egov-mdms-service/v1/ search
- 2. /billing-service/amendment/ search

ROLE ACTION MAPPING

S.NO	API	ROLES	ACTION ID
1	egov-mdms-service/v1/_search	954	
2	/billing- service/amendment/_search	2060	WS_CEMP, SW_CEMP, WS_APPROVER, SW_APPROVER
3	/ws-services/wc/_search	1900	WS_CEMP,WS_APPROVER
4	/sw-services/swc/_search	1919	SW_CEMP,SW_APPROVER