

Bill Amendment

Search Receipt

Objective

Provide Employee to search Amendment Applications.

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

Bill Amendment

In case of bill disputes caused due to incorrect consumer information in the system, please edit the same to ensure future demands are calculate

Search Entity

Provide atleast one parameter other than Service Category

ULB *	Service Category *	Owner Mobile No .
BILL_ULB_PLACEHOLDER	Enter Service Category	+91 Enter Owner Mobile No
Application No .	Consumer Code	
Application No .	Enter Consumer Code	
	RESET	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) => {  
  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(  
        "search",  
        ulbComponentJsonPath,  
        "props.value",  
        tenantId  
      )  
    );  
    dispatch(  
      handleField(  
        "search",  
        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.

Search Result (1)				
Service	Application No	Consumer Code	Owner Name	Address
WS	DN-WS/107/2020-21/066900-000002	WS/107/2020-21/066900	srishti	-

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>

```

try {
  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(
      "search",
      "components.div.children.searchResults",
      "props.data",
      data
    )
  );
  dispatch(
    handleField(
      "search",
      "components.div.children.searchResults",
      "props.tableData",
      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>

```

export const searchResults = {
  uiFramework: "custom-molecules",
  componentPath: "Table",
  visible: false,
  props: {
    columns: [
      {
        labelName: "Bill No.",

```

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
    page: 0

```

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