

Apply Water & Sewerage

Objective

This feature is developed for Citizen/Employee can create apply for new Water & sewerage connection. User has to provide various information regarding property and the owner and the location of the property, and connection details like Water/Sewerage/Both and number of Taps, Pipe Size etc. User has to upload supportive documents. User has to provide the additional Details like connection Type, water source, water sub source, Road Type, connection activation details. Once the application registered successfully it goes through various phases such as Doc Verification, Field Inspection, Pending for Approval, Pay, Pending for connection activation etc.

Technical Implementation Details

When user tries to create new Application, a popup comes upfront before navigating to the creation form.

This popup tells about documents required to upload in the process so that user can collect those in advance.

This popup data is configurable in MDMS. On clicking Apply For New Connection (citizen application) or New Application (employee application) a MDMS call is made to get the required document information. This information is passed to the Popup.

Required Documents - Water & Sewerage

Identity Proof

- | | | |
|----------------|-------------|--------------------|
| 1. Aadhar Card | 2. Voter Id | 3. Driving Licence |
| 4. Pan Card | 5. Passport | |

* In case of multiple/institutional Applicant please provide ID of primary or authorized person

Address Proof

- | | | |
|---------------------|--------------------|-------------|
| 1. Electricity Bill | 2. Driving Licence | 3. Voter Id |
| 4. Aadhar Card | 5. Pan Card | 6. Passport |

* In case of multiple/institutional Applicant please provide ID of primary or authorized person

Usage Proof

1. Electricity Bill

* In case of multiple floors/units please provide the Usage Proof of all floors/units

An Apply button is located at the footer of this popup. User can proceed to filing new Application on clicking of this apply button. The code related to this popup is written in search.js file. below is the link of the file.

For Employee

<https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-wns-dev/src/ui-config/screens/specs/wns/search.js>

```
114         buttonLabel: getLabel({
115             labelName: "NEW APPLICATION",
116             labelKey: "WS_HOME_SFARCH_RESUIITS_NEW_APP_BUTTON"
117         })
118     },
119     onClickDefination: {
120         action: "condition",
121         callBack: (state, dispatch) => {
122             showHideAdhocPopup(state, dispatch, "search");
123         }
124     }
```

```
141     adhocDialog: {
142         uiFramework: "custom-containers-local",
143         moduleName: "egov-wns",
144         componentPath: "DialogContainer",
145         props: {
146             open: false,
147             maxWidth: false,
148             screenKey: "search"
149         },
150         children: {
151             popup: {}
152         }
153     }
154 }
```

For Citizen

<https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-wns-dev/src/ui-config/screens/specs/wns-citizen/home.js>

showHideAdhocPopup method is responsible for making required Document MDMS call and opening popup.

Apply for New Water & Sewerage Application divided into four forms. The configuration related to all these forms are written in apply.js file.

<https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-wns-dev/src/ui-config/screens/specs/wns/apply.js>

MDMS Configs and other actions are Explained in [W&S - UI Technical Configuration](#)

Connection Details

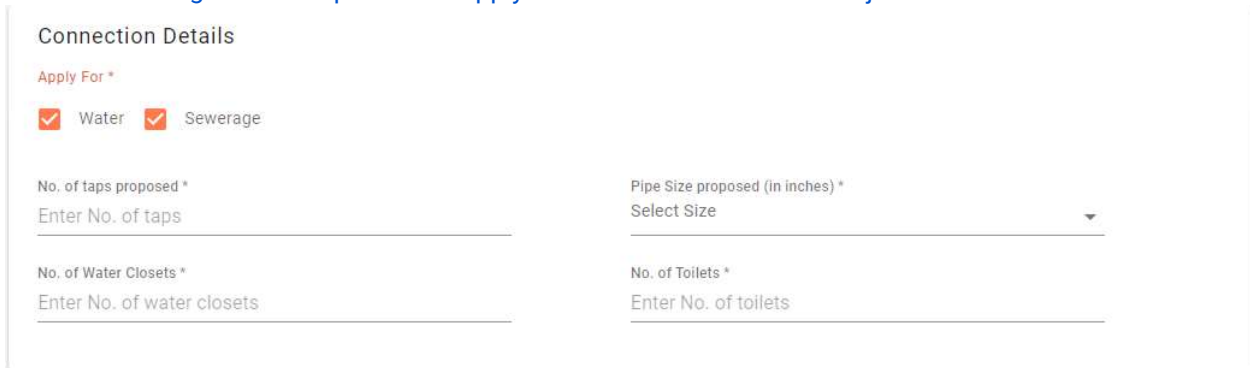
Connections details are the first step of apply. It has two cards one card is related to Find/Create Property that gets Information about the Property Details, Property Location in Detail, Property Owner details.

Second card is related to the Connection details. The Apply For field allows user to select only Water connection/ only sewerage connection/ both water & sewerage connection. Based on check box value relevant fields is populated.

Both Water & Sewerage

For below screen shots relevant code is present in

<https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-wns-dev/src/ui-config/screens/specs/wns/applyResource/connectionDetails.js> .



The screenshot shows a form titled "Connection Details". Under the heading "Apply For *", there are two checked checkboxes: "Water" and "Sewerage". Below this, there are four input fields arranged in a 2x2 grid. The top-left field is "No. of taps proposed *" with a text input "Enter No. of taps". The top-right field is "Pipe Size proposed (in inches) *" with a dropdown menu "Select Size". The bottom-left field is "No. of Water Closets *" with a text input "Enter No. of water closets". The bottom-right field is "No. of Toilets *" with a text input "Enter No. of toilets".

Only for sewerage



The screenshot shows the same "Connection Details" form. Under the heading "Apply For *", the "Water" checkbox is unchecked and the "Sewerage" checkbox is checked. Below this, there are two input fields. The left field is "No. of Water Closets *" with a text input "Enter No. of water closets". The right field is "No. of Toilets *" with a text input "Enter No. of toilets".

```
316 export const formwizardFirstStep = {
317   uiFramework: "custom-atoms",
318   componentPath: "Form",
319   props: { id: "apply_form1" },
320   children: { IDDetails, Details, ownerDetails, OwnerInfoCard }
321 };
```

For below screen shot relevant code is present in apply.js file in that formwizardFirstStep.

Only for Water

Application for New Water and Sewerage Connection



Property Details

Property ID *

Enter Property ID

SEARCH To Find/Create Property ID

[Click Here](#)

Connection Details

Apply For *

Water Sewerage

No. of taps proposed *

Enter No. of taps

Pipe Size proposed (in inches) *

Select Size

NEXT STEP >

Documents

Documents screen is the second step in the process. User can upload all the relevant documents asked while creating application. Some of the documents are mandatory and it is configurable so that it can be made mandatory or optional as per requirement. Below file holds the entire required configuration for this screen.

```
323 export const formwizardSecondStep = {
324   uiFramework: "custom-atoms",
325   componentPath: "Form",
326   props: { id: "apply_form2" },
327   children: { documentDetails },
328   visible: false
329 };
```

For below screen shot relevant code is present in apply.js file in that formwizardSecondStep.

Required Documents

Only one file can be uploaded for one document.If multiple files need to be uploaded then please combine all files in a pdf and then upload

1	Identity Proof *	Select Documents * Select Documents	UPLOAD FILE
2	Address Proof *	Select Documents * Select Documents	UPLOAD FILE
3	Electricity Bill *	Select Documents * Select Documents	UPLOAD FILE
4	Plumber Report / Drawing *	Select Documents * Select Documents	UPLOAD FILE
5	Building Plan / Completion Certificate	Select Documents Select Documents	UPLOAD FILE
6	Property Tax Receipt	Select Documents Select Documents	UPLOAD FILE

< PREVIOUS STEP

NEXT STEP >

Additional Details page (This page only visible for Employee not for Citizen)

Additional Details screen is the Third step in the process. This page details are non mandatory at the time of apply connection. Later stages Employee can fill the relevant fields based on requirement.

```
export const formwizardThirdStep = {
  uiFramework: "custom-atoms",
  componentPath: "Form",
  props: { id: "apply_form3" },
  children: { additionDetails },
  visible: false
};
```

For below screen shot relevant code is present in apply.js file in that formwizardThirdStep.

Multi Road Type Feature

Earlier (Till Digit 2.2), it supports single type and storing the values in the string format like roadType: "BMPREMIXROAD" and roadCuttingArea: 123

Now, it supports multi type, user can add multiple road types by clicking on the add road type button and sending the values in the format of array of objects like

"roadCuttingInfo": [{ "roadType": "BMPREMIXROAD","roadCuttingArea": 123},{ "roadType": "BRICKPAVING","roadCuttingArea": 123}].

Summary Screen

After successfully updating Additional details, the next step is summary page. User can see all the information entered. User has options to edit the information of each section. Upon clicking of edit icon user will navigate to respective section with all the data pre-filled. Below is the file contains all the required configuration of this screen.

```
export const formwizardFourthStep = {
  uiFramework: "custom-atoms",
  componentPath: "Form",
  props: { id: "apply_form4" },
  children: { summaryScreen },
  visible: false
};
```

For below screen shot relevant code is present in apply.js file in that formwizardFourthStep.

Connection Details	Documents	Additional Details	Summary																																
<p>Connection Details EDIT</p> <p>Property Details</p> <table border="1"> <tr> <td>Property ID PB-PT-2020-02-05-019262</td> <td>Property Type Built Up</td> <td>Property Usage Type Residential</td> <td>Property Sub Usage Type NA</td> </tr> <tr> <td>Plot Size (in sq meters) 1000</td> <td>No. of Floors 1</td> <td>Rainwater Harvesting Facility NA</td> <td></td> </tr> </table> <p>Property Location Details</p> <table border="1"> <tr> <td>City amritsar</td> <td>Door / House No 417J</td> <td>Building / Colony Name jumbhedwapa</td> <td>Street Name bakery street</td> </tr> <tr> <td>Locality / Mohalla Back Side 33 KVA Grid Patiala Road - Area1</td> <td>Pincode 160004</td> <td></td> <td></td> </tr> </table> <p>Owner Information</p> <table border="1"> <tr> <td>Mobile No 8888888888</td> <td>Owner Name Abhishek</td> <td>Gender Female</td> <td>Date Of Birth NA</td> </tr> <tr> <td>Email NA</td> <td>Father / Husband's Name HUSBAND NAME</td> <td>Relationship HUSBAND</td> <td>Correspondence Address 417J, jumbhedwapa, Back Side 33 KVA Grid Patiala Road - Area1, amritsar</td> </tr> <tr> <td>Special Applicant Category NONE</td> <td></td> <td></td> <td></td> </tr> </table> <p>Connection Details</p> <table border="1"> <tr> <td>Apply For Water</td> <td>No. of taps proposed 2</td> <td>Pipe Size proposed (in inches) 0.55</td> <td></td> </tr> </table>				Property ID PB-PT-2020-02-05-019262	Property Type Built Up	Property Usage Type Residential	Property Sub Usage Type NA	Plot Size (in sq meters) 1000	No. of Floors 1	Rainwater Harvesting Facility NA		City amritsar	Door / House No 417J	Building / Colony Name jumbhedwapa	Street Name bakery street	Locality / Mohalla Back Side 33 KVA Grid Patiala Road - Area1	Pincode 160004			Mobile No 8888888888	Owner Name Abhishek	Gender Female	Date Of Birth NA	Email NA	Father / Husband's Name HUSBAND NAME	Relationship HUSBAND	Correspondence Address 417J, jumbhedwapa, Back Side 33 KVA Grid Patiala Road - Area1, amritsar	Special Applicant Category NONE				Apply For Water	No. of taps proposed 2	Pipe Size proposed (in inches) 0.55	
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VIEW	VIEW	VIEW	VIEW																																
<p>Additional Details (to be filled by Municipal Employee) EDIT</p> <p style="text-align: right;"> PREVIOUS STEP SUBMIT </p>																																			

Submit application

Once user clicks on submit button, user navigates to acknowledgement screen stating that the application submitted successfully. Below is the acknowledgement configuration file.

<https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-wns-dev/src/ui-config/screens/specs/wns/acknowledgement.js>

Acknowledgement screen and acknowledgement is Explained in [W&S-Application,Estimation Notice,Sanction Letter](#)

Application for New Water and Sewerage Connection

DOWNLOAD
PRINT

Thank you for submitting the Application

A notification regarding application submission has been sent at registered mobile no. Please note the application no. for future reference.

Application Number,
WS_AP/107/2020-21/062668

HOME

W&S-Create API

W&S application is created using /ws-services/wc/_create API, the returned data is formatted and dispatched to redux

<https://github.com/egovernments/frontend/blob/master/web/rainmaker/dev-packages/egov-wns-dev/src/ui-utils/commons.js>

While Creating Property
creationReason: "CREATE"

For More Information about W&S-Application

Once The Application is successfully created for further actions are explained as below,

Search Application is explained in [Search Water & Sewerage](#)

About W&S Application-workflow is explained in [Water & Sewerage Application-Workflow](#)

API Call Role Action Mapping

S.N	API	Action id	Roles
1	/egov-mdms-service/v1/_search	954	EMPLOYEE,CITIZEN
2	/user/_search	604	EMPLOYEE,CITIZEN
3	/localization/messages/v1/_search	1531	EMPLOYEE,CITIZEN
4	/egov-workflow-v2/egov-wf/businessservice/_search	1743	EMPLOYEE,CITIZEN
5	/ws-services/wc/_search	1900	CITIZEN,WS_CEMP,WS_DOC_VERIFIER,WS_FIELD_INSPECTOR,WS_APPROVER,WS_CLERK
6	/sw-services/swc/_search	1940	CITIZEN,SW_CEMP,SW_DOC_VERIFIER,SW_FIELD_INSPECTOR,SW_CLERK
7	/property-services/property/_search	1897	CITIZEN,PT_CEMP,PT_DOC_VERIFIER,PT_FIELD_INSPECTOR,PT_APPROVER
8	/ws-services/wc/_create	1899	CITIZEN,WS_CEMP
9	/filestore/v1/files/url	1528	EMPLOYEE,CITIZEN
10	/ws-services/wc/_update	1901	CITIZEN,WS_CEMP,WS_DOC_VERIFIER,WS_FIELD_INSPECTOR,WS_APPROVER,WS_CLERK
11	/sw-services/swc/_update	1939	CITIZEN,SW_CEMP,SW_DOC_VERIFIER,SW_FIELD_INSPECTOR,SW_CLERK