User Guide
WRI BEE
November 28 2019

Project

WRI BEE

Description

This document provides a brief guide about how to access the website and the functionalities of it.

Table of Contents

User Guide Details

This document provides an introduction to the fundamental techniques of using your new website. It is intended to supplement an in-person user guide provided by the Ebizon team.

Getting Started

Users are required to navigate to the web site with the given url in order to perform the functionalities on the web site.

Home Page

Navigate to the URL provided (e.g., "www.site.com") then you will be navigated to the home page. In the home page you can see the menu like About us, Industry, Municipal, Buildings, Appliances, Capacity building.
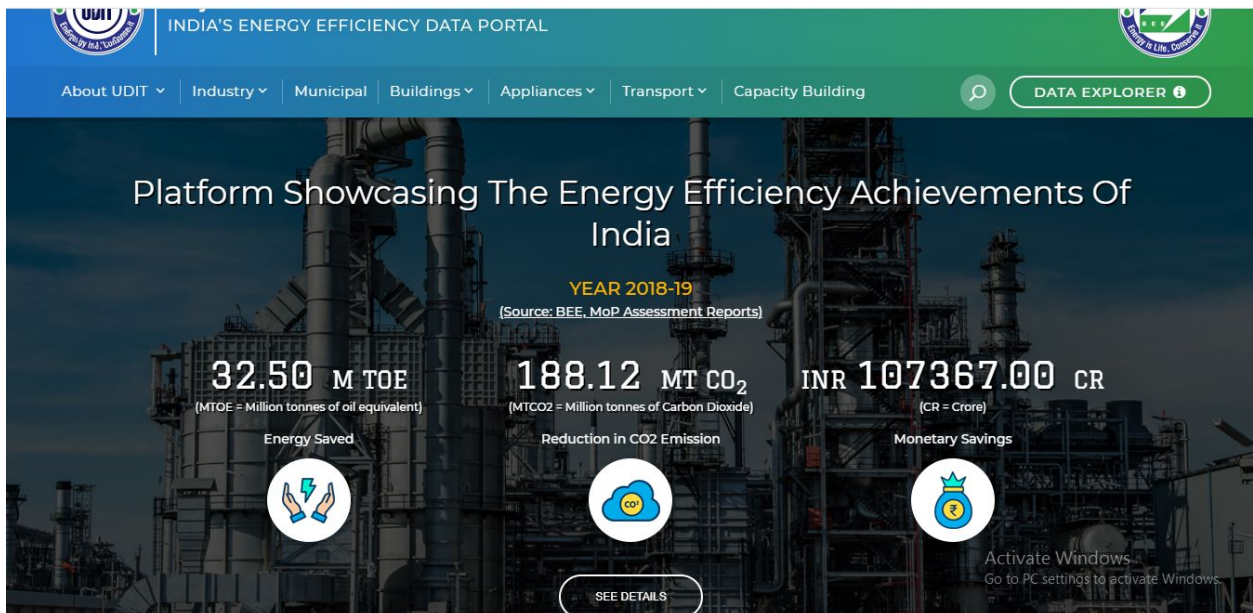

When you hover on the menu, list of options will be displayed. Select any of the option from the menu then the selected content will be displayed.
When you click on "See details" button then you can see the overall energy savings, CO_2 reduction and the monetary savings

Energy Efficiency Schemes

If you are on the home page, scroll down, there you will see the label "Energy Efficiency Schemes". It consists of the header menu options in a structured format. By default industry option is selected with the results of Perform Achieve Trade. Here you will get information about energy saving, consumption of CO2 and the money savings for every scheme.
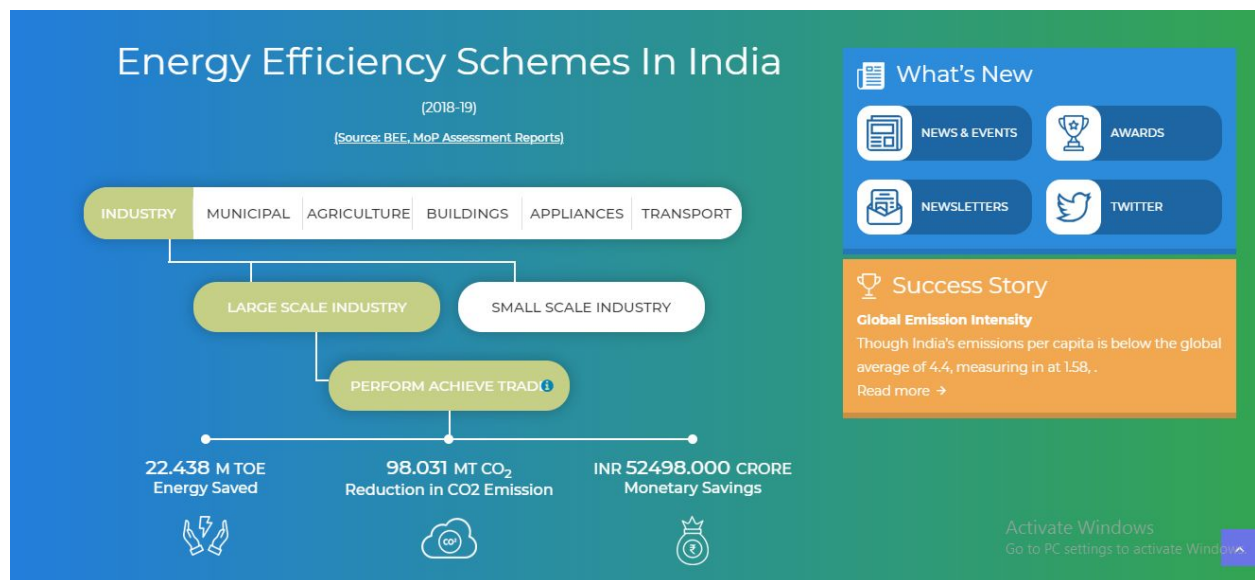

When you select the scheme from the structure, results of energy saved, reduction in CO_2 and the monetary savings will be displayed.

News & Press Release

Side to the energy efficiency scheme you will have a sidebar with the label "News & Press Release". Latest news will be posted in that. When you click on read more then you will be navigated to the news & press release page where you will get all the information of news and press releases. In that you have 3 options

- News & Events - By default Press Release updates will be displayed with the date and pdf document.
- Newsletters - When you click on it then you will get the information of updated news
- User Guide- When you click on it, the pdf of user guide will open
- Awards - When you click on it then you will get the information of the awards.
- Twitter - When you click on it then you will get the Twitter Feeds
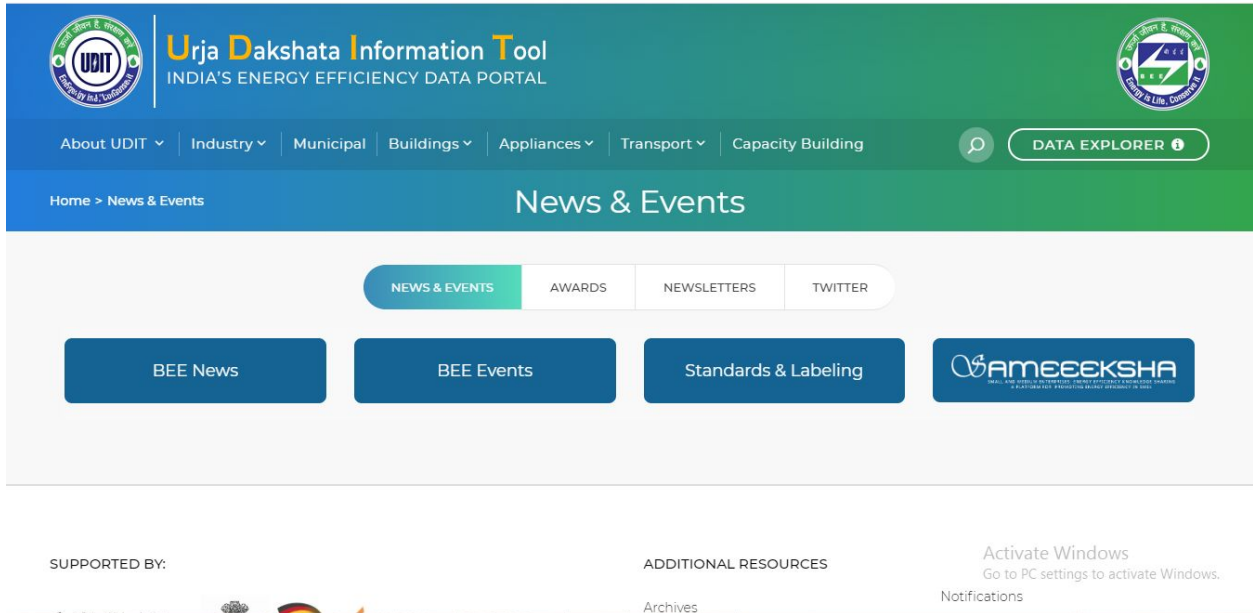- Leaflet:UDIT: When you click on it, it will open as a pdf
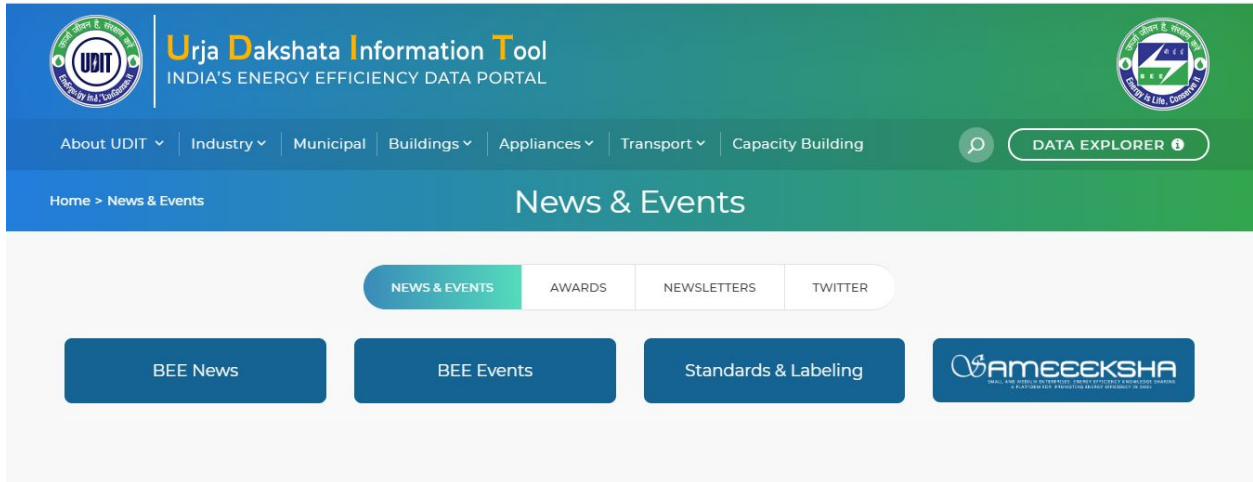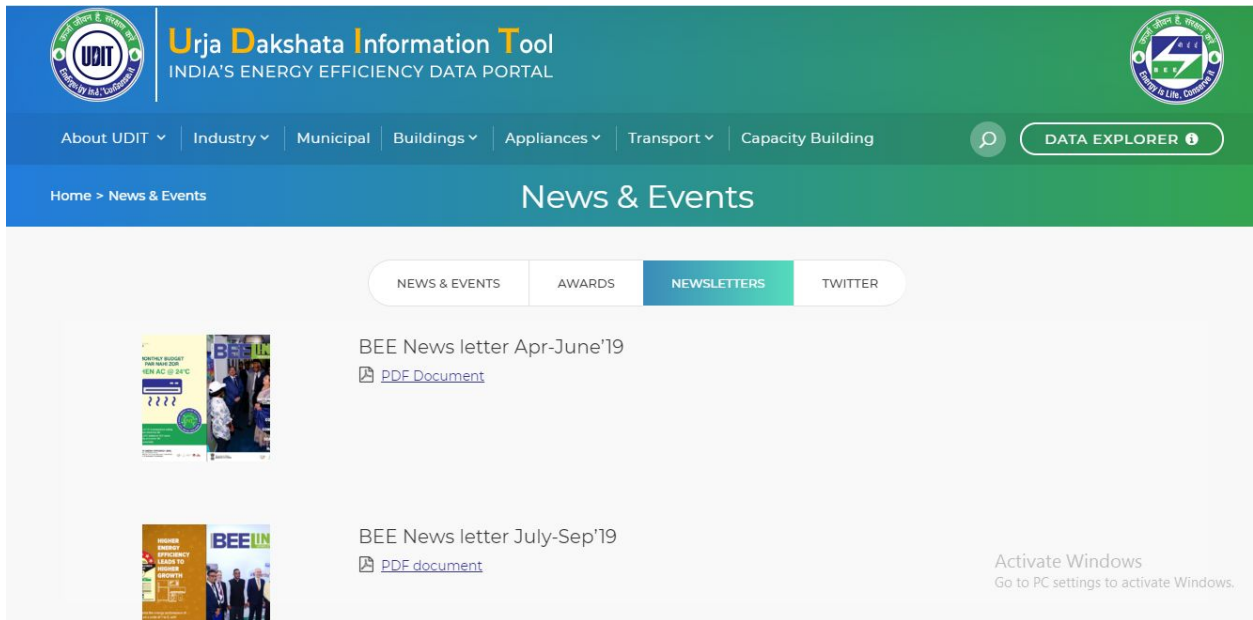
Events

In the home page, under the what's new section you have an option called News & events. When you click on it, you will be navigated to that page In that when you click on BEE Events There you will get all the information of the upcoming events with the date, time and the topic name

Success Story

In the home page below the events you have a section named "success story". In that you will see the latest success story. When you click on read more, then you will be navigated to the success story page. In that you can see the different level success stories like

- Global - By default global stories will be displayed
- National - When you click on it , national level success stories will be displayed
- Schemes - When you click on it, success schemes will be displayed
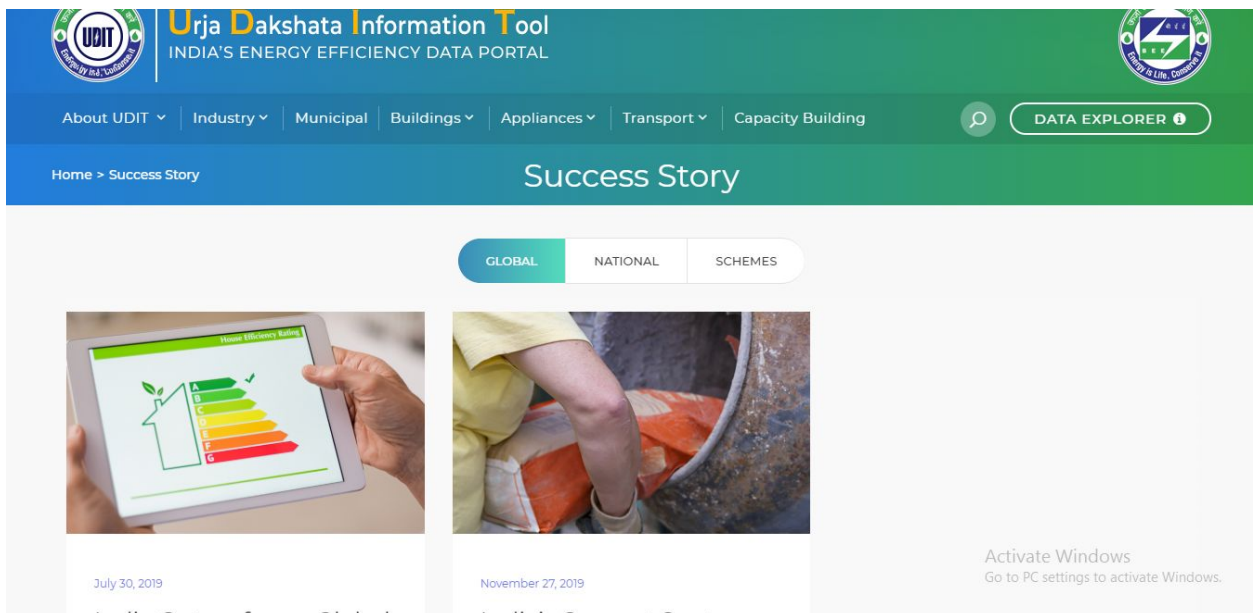
Header Menu

In the home page you will see the menu on the header. When you click on that menu then you will be navigated to that page. The menu consists of the following

About UDIT

When you hover on the About UDIT then you will see the below options which will give the information about UDIT

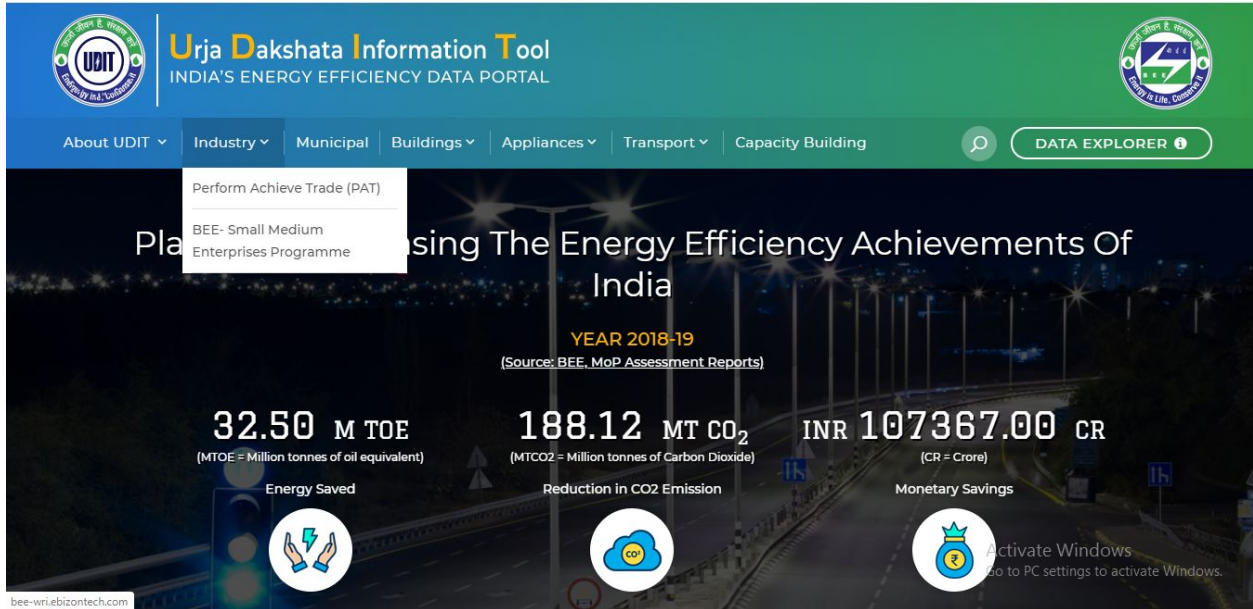- Methodology
- Mission and Vision
- Guides
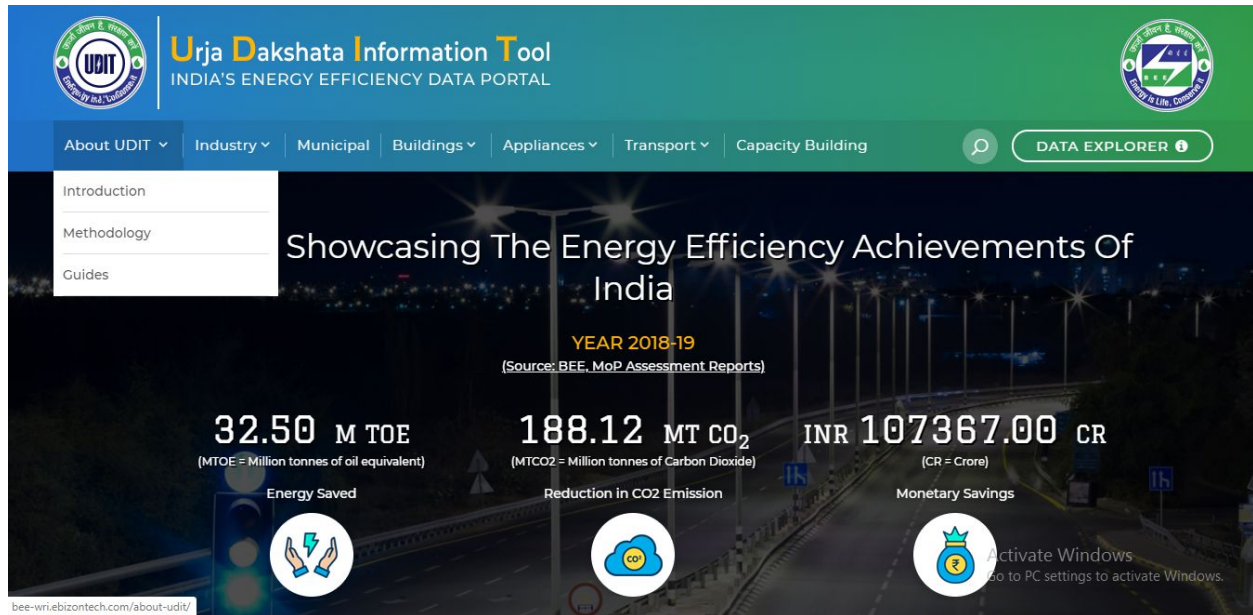
When you click on any of the options, then the corresponding page will be opened with the details

Industry

When you hover on the Industry then you will see the following options

- Perform Achieve Trade(PAT)
- BEE - Small Medium Enterprises Programme

When you click on **Perform Achieve Trade** then you will be navigated to that page and it consists of the PAT cycle and how it works. In that you will find 5 tabs

- Scheme Overview - BY default scheme overview will be displayed.
- National Overview
- Aggregated Industries
- PAT - Sector specific
- PAT - Trading
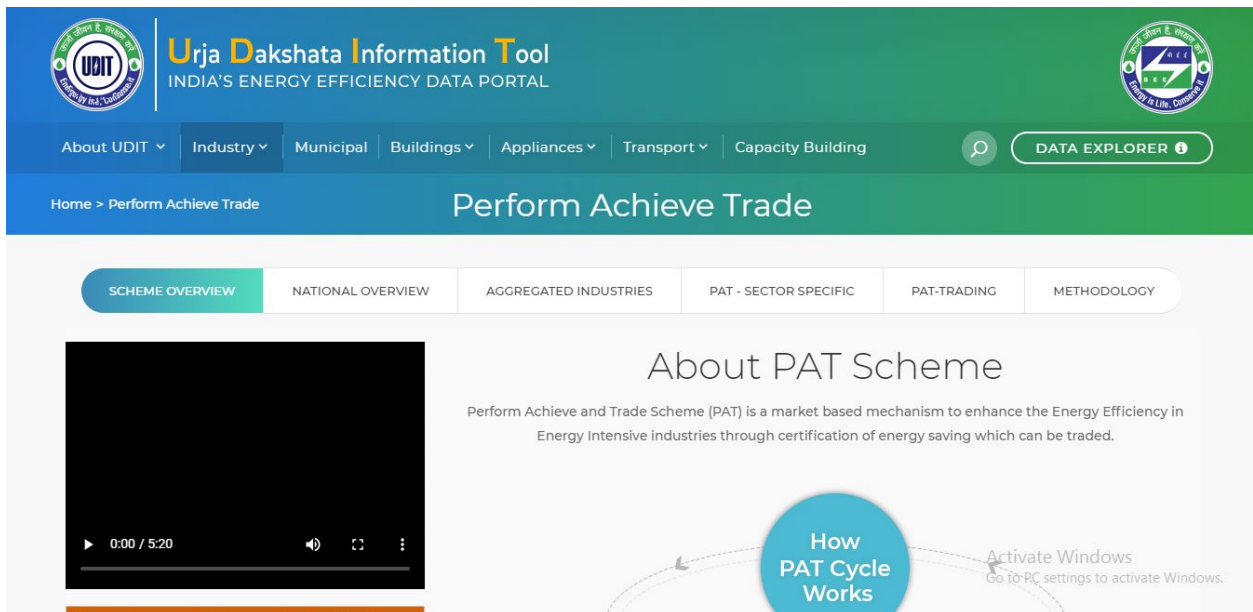
The scheme overview will give the information of PAT like how it works, Total DC's progression, energy savings information, sector targets and the Ecerts

When you click on national overview then you will get the information like DC's, Energy savings, Baseline production and consumption all over india which is displayed with the map with different options. And you will have a download button to download the map. And you have a filters to sort the results according to your choice.

- Year - Used to filter the result based on the year
- Sectors - List of different types of sectors will be displayed
- Ownership - Consists of Private, State government, NA, All
- PAT Cycle - In this we have PAT cycle-I, PAT cycle- II and All

And we have different types of options to display the results in the map

- No of DC's & Spread of Sector/Sub-Sector
- Energy Savings (Million TOE)
- Baseline Production
- Baseline Consumption
- Assessment Year Production
- Assessment Year Consumption
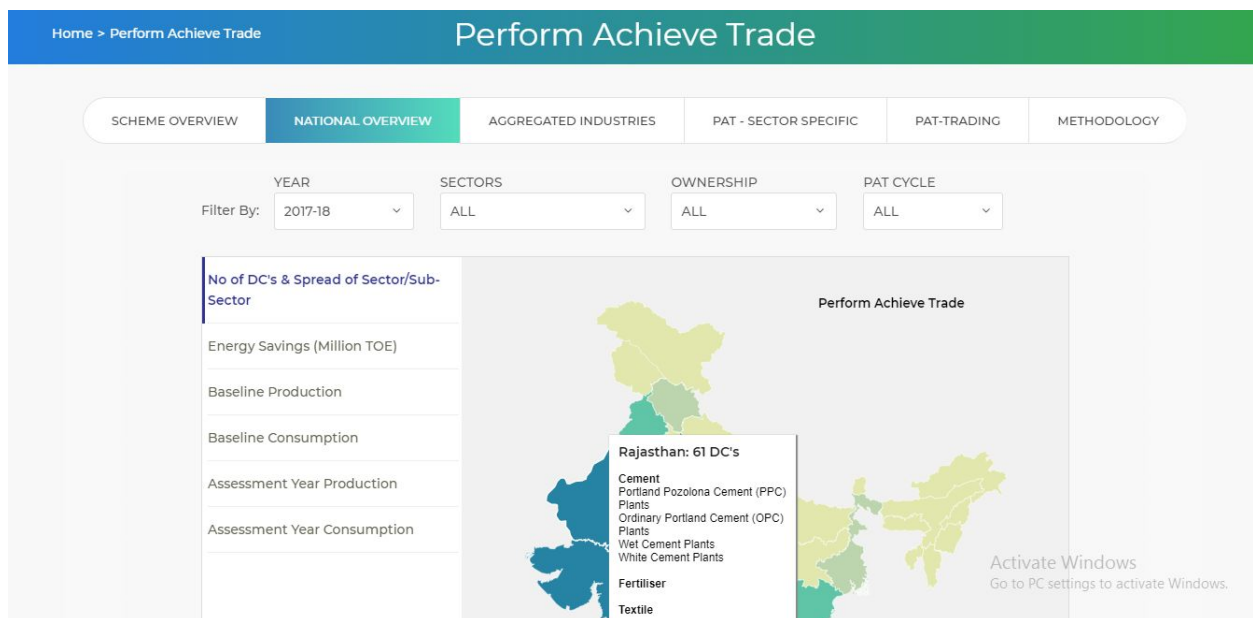
When you click on any of the options then the results will be changed in the map according to it. If you hover over any state then that results will be displayed. And you will have a download button below the map to download it.

When you click on aggregated industries then you will get the information of energy savings per PAT, energy consumption, production in the form of two circles. The outer circle is the main sector and the inner circle is sub sector of it.In that you have options to select and see the results. And a filters to sort the results. The filters consists of the following

- Assessment Year - filter the result based on the year
- PAT Cycle - In this we have PAT cycle-I, PAT cycle- II and All
- Ownership - Consists of Private, State government, NA, All

And the options in the map are

- Energy Savings per PAT cycle
- CO_2 Reductions (Mn tonnes)
- Ecerts issued per PAT Cycle
- Trend Analysis in Energy Reduction
- Energy Consumption Trends
- Energy Production Trends
- SEC Trends

When you click on any of the options then the results will be changed in the map according to it. If you hover over any state then that results will be displayed.
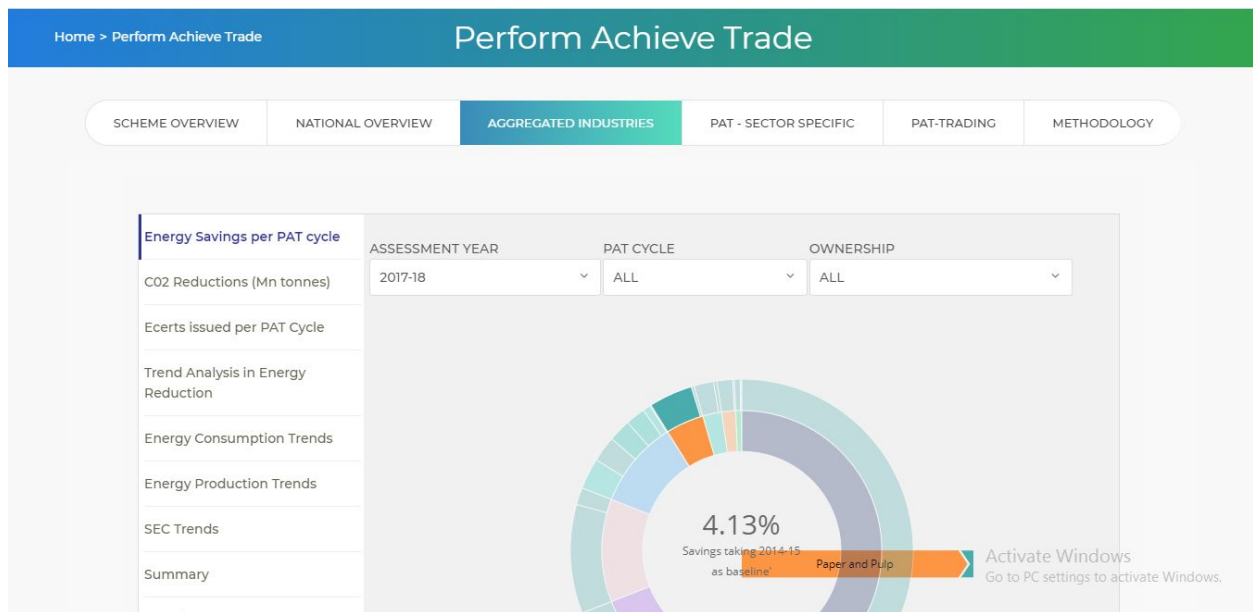
When you click on pat - sector specific then the results will be displayed in the form of bar graph. In that you will get the information of Energy savings, break up, production and consumption. And you will have a dropdown to select the sector. When you have selected any of the option, results
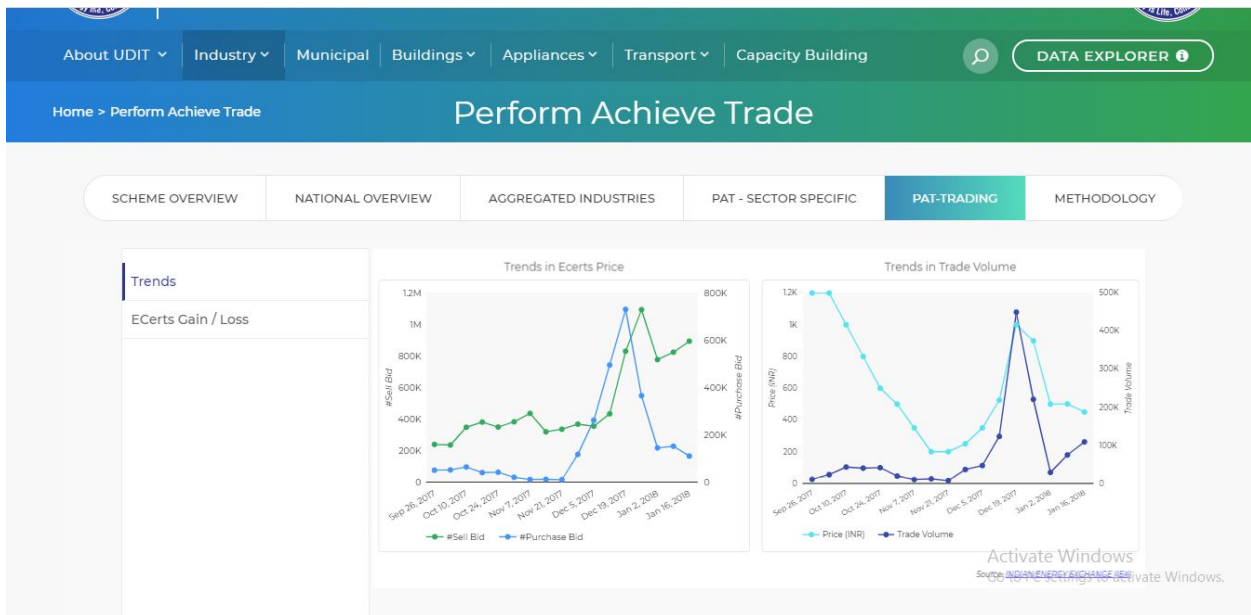
will be displayed based on it, If you hover over the graph results will be displayed based on the section.
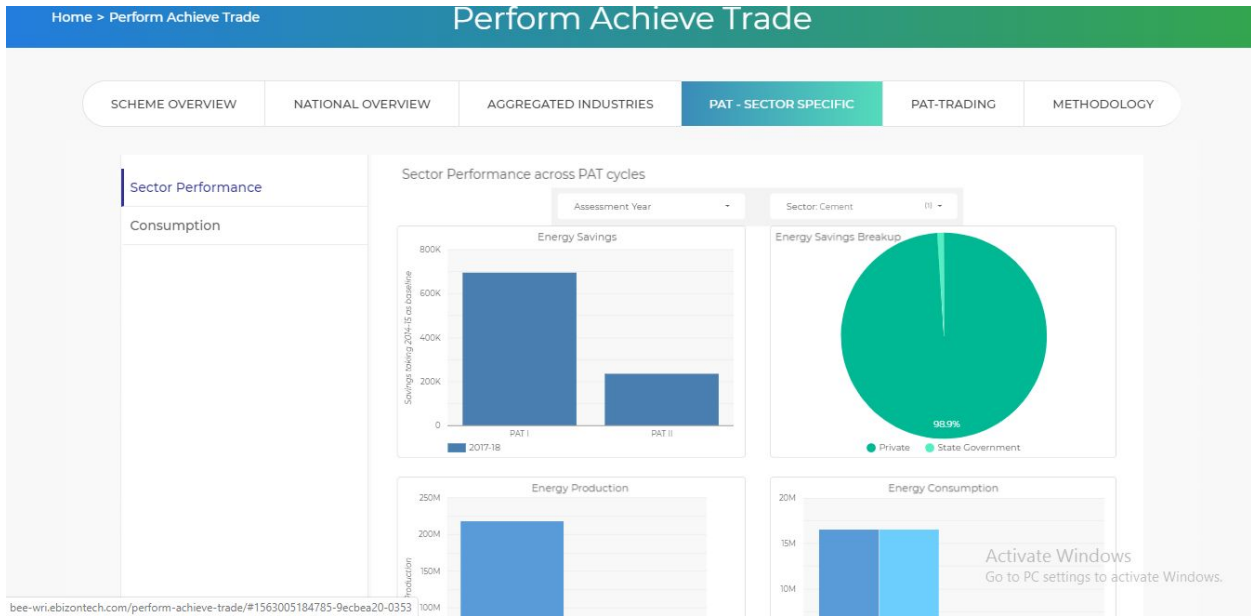
The drop down consists of

- Cement
- Railway Production Unit
- Railway Zonal

When you click on pat - trading then you will get the results of it in the form of a line graph.

When you hover over the point you will get the results of Ecerts price, self bid and Trade volume , price

When you click on **BEE - Small Medium Enterprises Programme** then you will be navigated to that page and the page consists of the following

- Scheme Overview - By default scheme overview will be displayed. It will display all the details of the scheme.
- National Overview
- Aggregated Industries
- BEE - SME - Sector specific

When you click on National Overview the data will be displayed in the form of map. It will give different types of information like program name, sector wise plant count, CO2 reduction data in the form of options to select and see the results. Once you have selected the option, data will be changed in the map. When you hover over the state, corresponding results will be displayed. And the filter(Year) is present to sort the results based on the year

The options in the map consists of

- Statewise Overview of Aggregated Industries Data

- Program Name (count)
- Sector-wise (Plant count)
- Electrical Savings (kwh)
- CO_2 Reduction
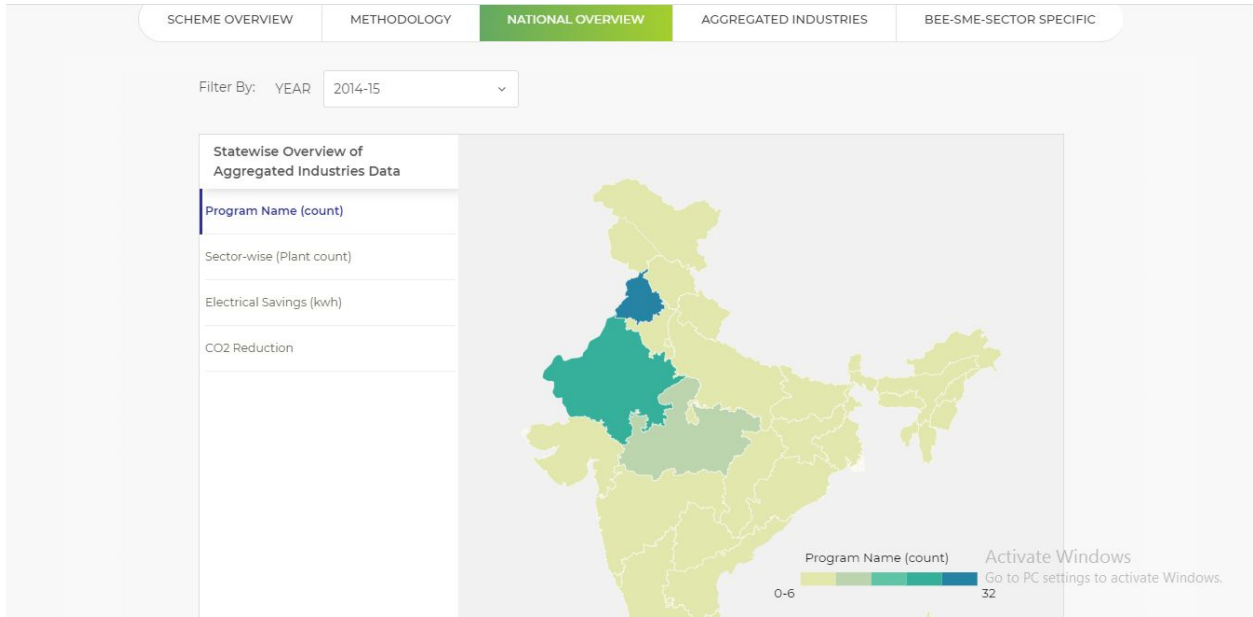
When you click on Aggregated Industries the data will be displayed in the form of bar graph. When you hover over the graph then that corresponding results will be displayed and it will give the information of energy saved in sector level. It has a filter(Sector Type) to sort the results by selecting the sector


And you have a dropdown to select and see the data based on it. The drop down consists of

- Energy Saving Trends - By default the results are displayed based on this in a bar graph

- Sector Level Details - when you select sector level, results were displayed in pie chart and it has a filter(Year) to sort the data. When you hover over the section result will be displayed corresponding to it.
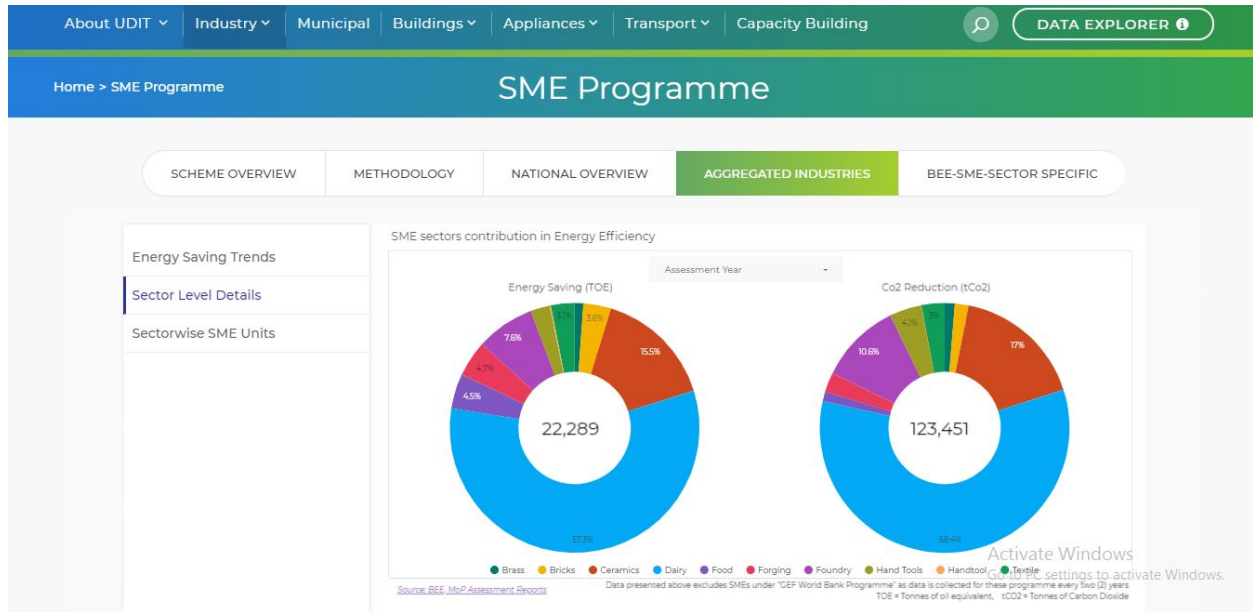
When you click on BEE - SME - Sector specific, the data will be displayed in the form of a graph. It will give the information of energy savings. When you hover over the points / bar corresponding result will be displayed. It has a filters to sort the data based on selection. The filters are varied for every graph. Sector type is the common filter for every graph which is used to select the sector.
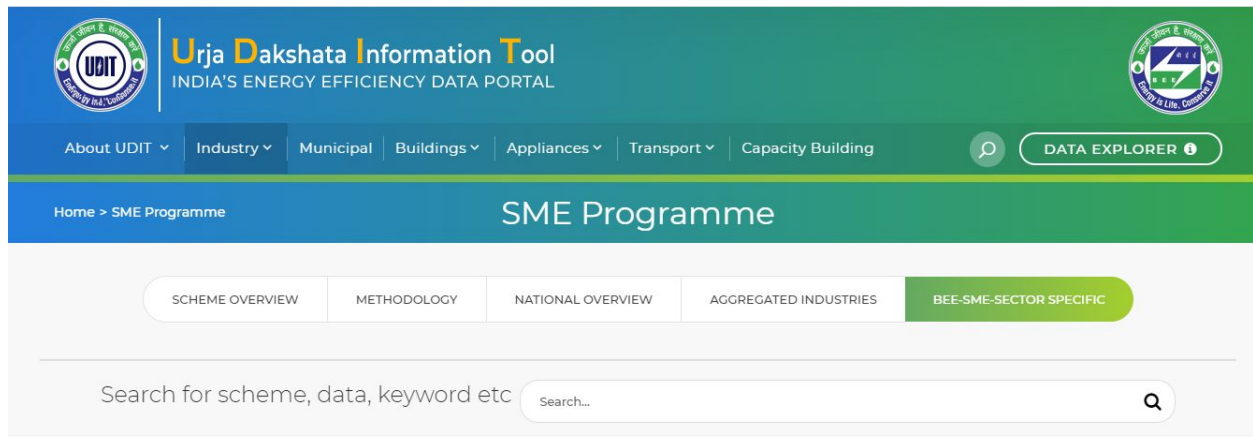
Municipal

When you click on the municipal then it will be navigated to the external page where you will see the data of all over india in a map. When you click on any state, it will give the list of all districts of the state where the project has been done.

Buildings

When you hover over the buildings you will see 4 options
- Energy Conservation Billing Code(ECBC)
- Eco Niwas Samhita
- Star Label of Residential Buildings
- Star Rated Buildings
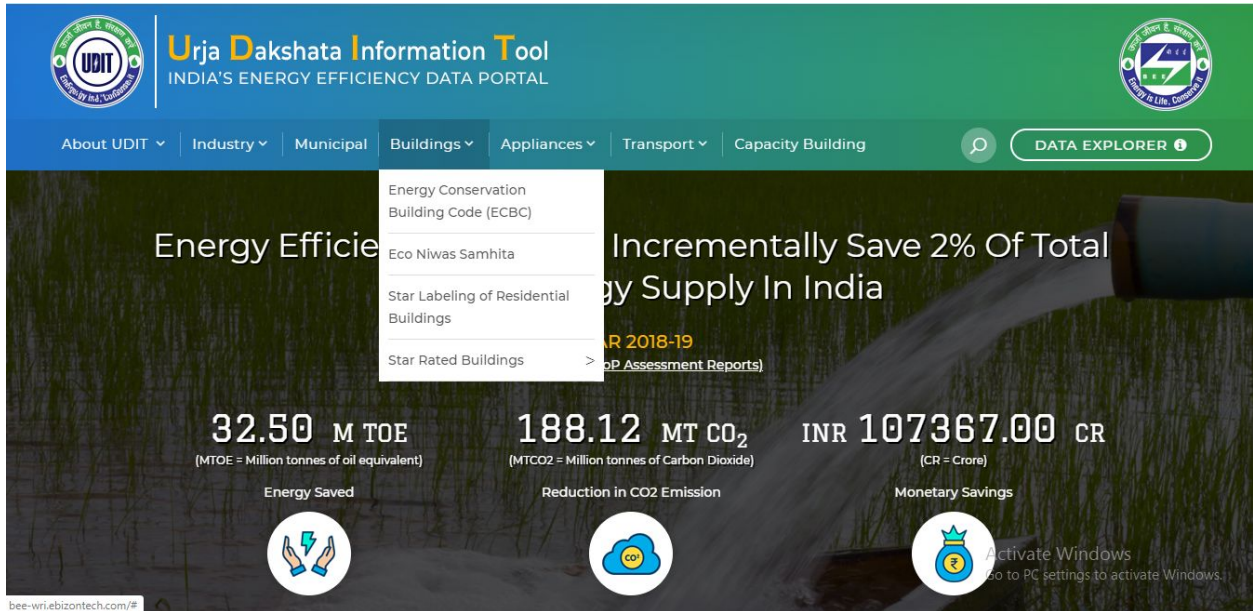
When you clicked on **Energy Conservation Billing Code(ECBC)** then you will get the default tab of scheme overview details with the video. In this you will get the information of commercial building sector. different types of schemes and the energy usage in the building
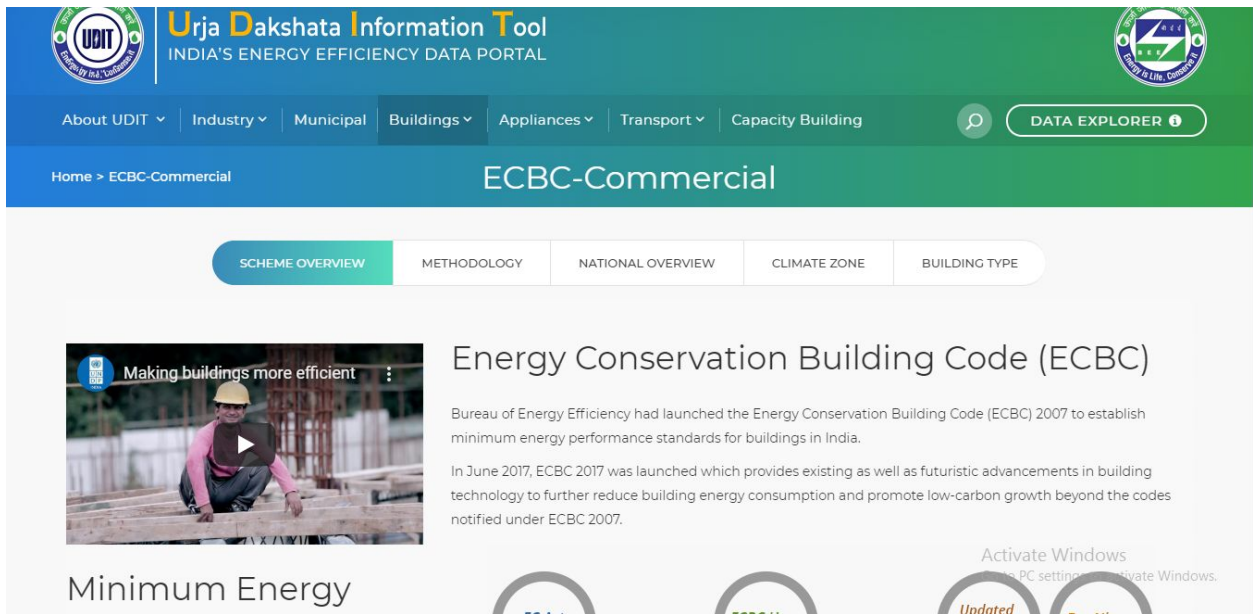
When you click on National Overview the data will be displayed in the form of map. It consists of different options to select and see the data. It will give the information like building type, building area, energy savings, CO2 reduction And filters are present to sort the results. When you hover over the state then that corresponding results will be displayed.

Filters consists of

- Year - When you select any year, results will be displayed based on it
- Climate Zone - Consists of Composite, Hot and Dry, Moderate, Warm and Humid, All
- Ownership - It has Public and All

And the options are

- Statewise Overview of Aggregated Industries Data

- Building Type (count)
- Building Area (Square meter)
- Electrical Savings (kwh)
- CO2 Reduction
- Status of ECBC Notification

- Enforcement of ECBC
- Established ECBC Cell
- Including ECBC recommended materials & equipment in Schedule of Rates- PWD
- Incorporation of ECBC in state model bye-laws
- Notification of ECBC at Municipalities
- Status of ECBC Amendment to suit the local and regional climatic conditions
- Status of ECBC Notification in Gazette
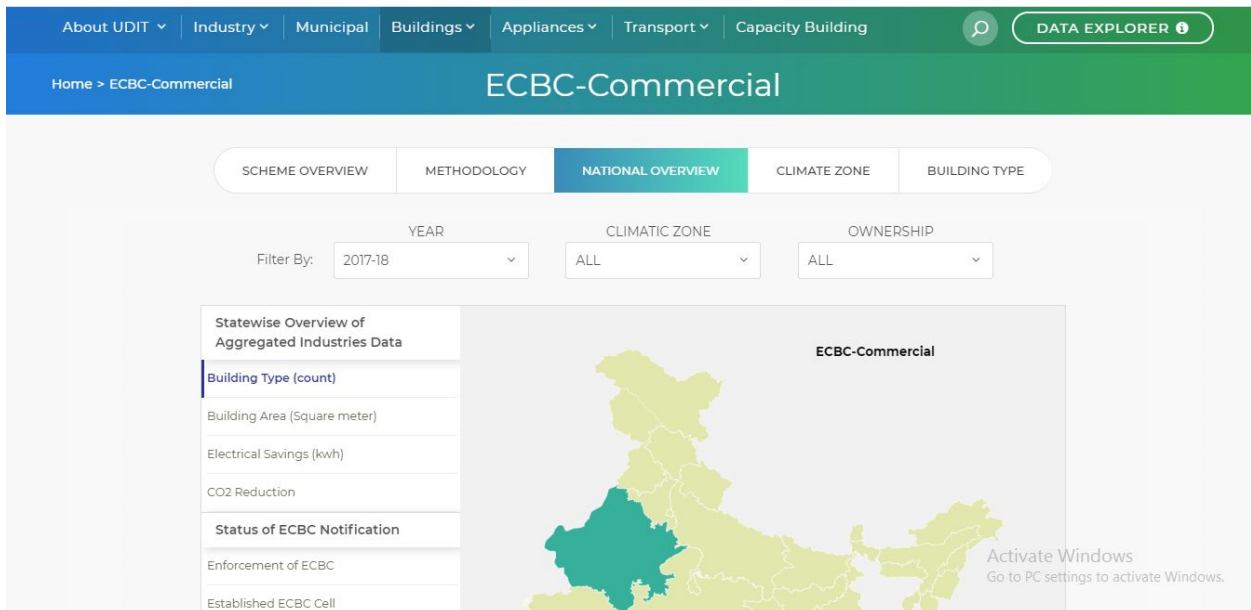
When you click on building type then the data will be displayed about the building in the form of pie chart and you will have the filter(Building Type) to sort the results. When you hover over the section and select the type of building, project distribution of that building will be displayed in the pie chart and the energy saved data for all the buildings will be displayed in the other pie chart.
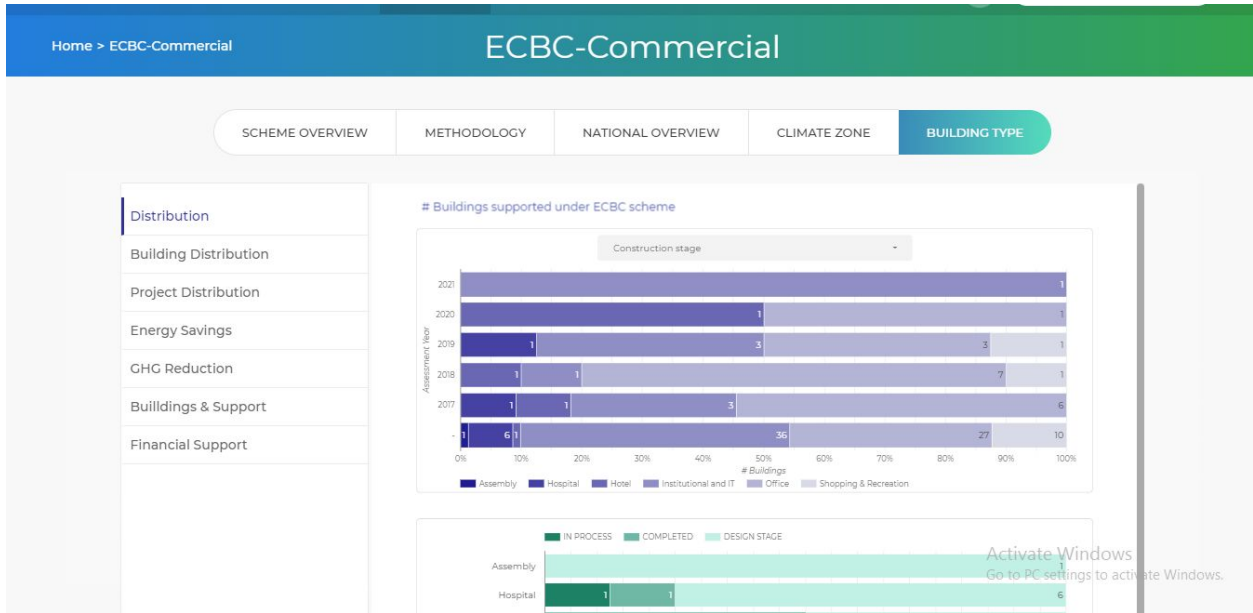
When you click on climate zone the data will be displayed in the form of bar graphs and you will have the filter (climate zone) to sort the results. When you have selected the climate zone then that climate results will be displayed for the Building EPI Performance, energy savings and CO2 reduction graphs. When you hover over the bar then the corresponding results will be displayed

When you click on **Eco Niwas Samhita** then you will be navigated to the residential page. This page consists of Residential Overview and Residential Visualization.By default residential overview data will be displayed. In this you will get the information of Energy Conservation Building Code like when it was launched, how it is developed and the purpose of it.

When you click on residential visualization then that data will be displayed.

When you click on **Star Label of Residential Buildings** then the page will be navigated to Star Label of Residential Buildings. This page consists of

- Scheme Overview
- Methodology
- National Overview

By default the scheme overview data will be displayed.

When you click on **Star Rated Buildings** then the page will be navigated to BEE star rated buildings. This page consists of

- Scheme Overview
- National Overview
- Aggregated Industries
- BEEP

By default the scheme overview data will be displayed. In this you will get the data of energy savings of the Designated Consumers.

When you click on National Overview the data of star rating count,building type, energy savings, CO2 reduction of india will be displayed in the form of map. It has an options to select and see the data which you want. And the filters are present to sort the results. When you hover over on the state then that corresponding results will be displayed.
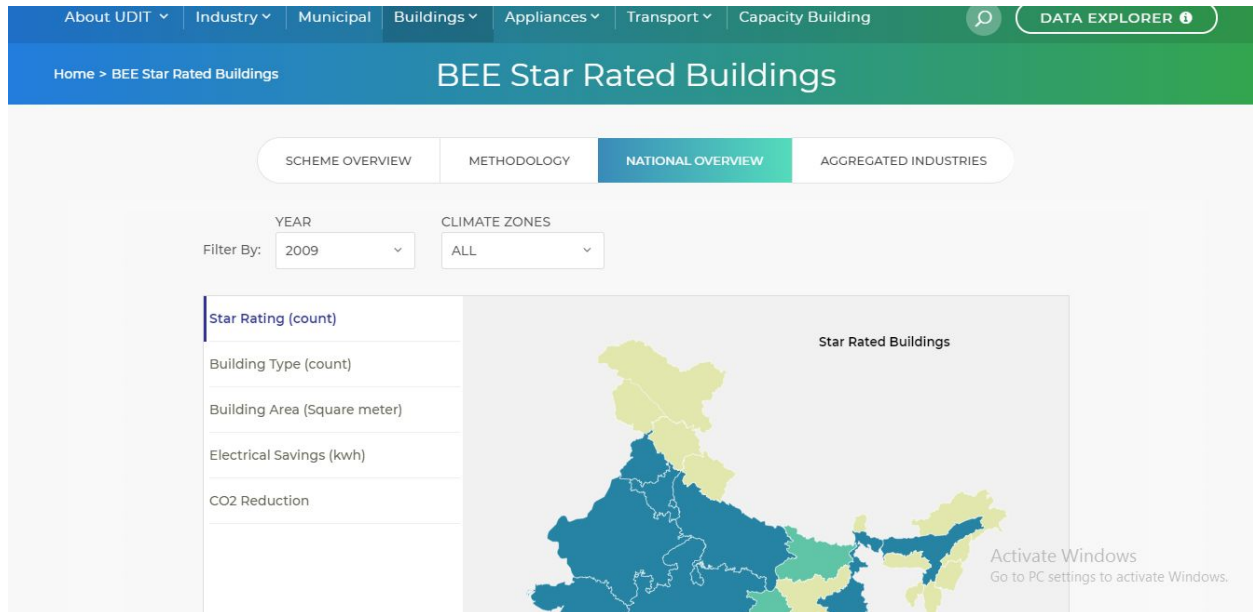
The filters are

- Year - When you select any year, results will be displayed based on it
- Climate Zone - Consists of Composite, Hot and Dry, Moderate, Warm and Humid. When you have selected the climate zone, then that climate data will be displayed for the options.

And the options are

- Statewise Overview of Aggregated Industries Data

- Star Rating Count
- Building Type (count)
- Building Area (Square meter)
- Electrical Savings (kwh)
- CO2 Reduction.

When you click on any of the option, you will get the data of it.

When you click on Aggregated Industries the data will be displayed in the form of bar graph. When you hover over the graph then that corresponding results will be displayed. And the filters are present to sort the results
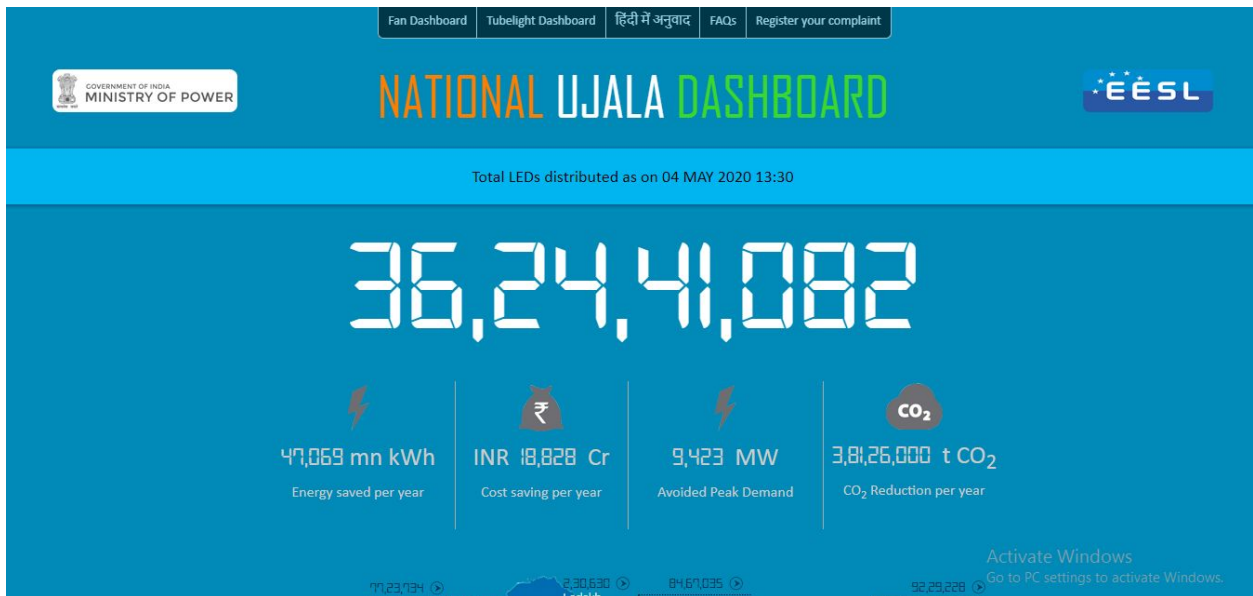
Appliances

When you hover over the appliances you will see the following options

- UJALA
- Standards and Labelling
- Agriculture Demand Side Management(AgDSM)
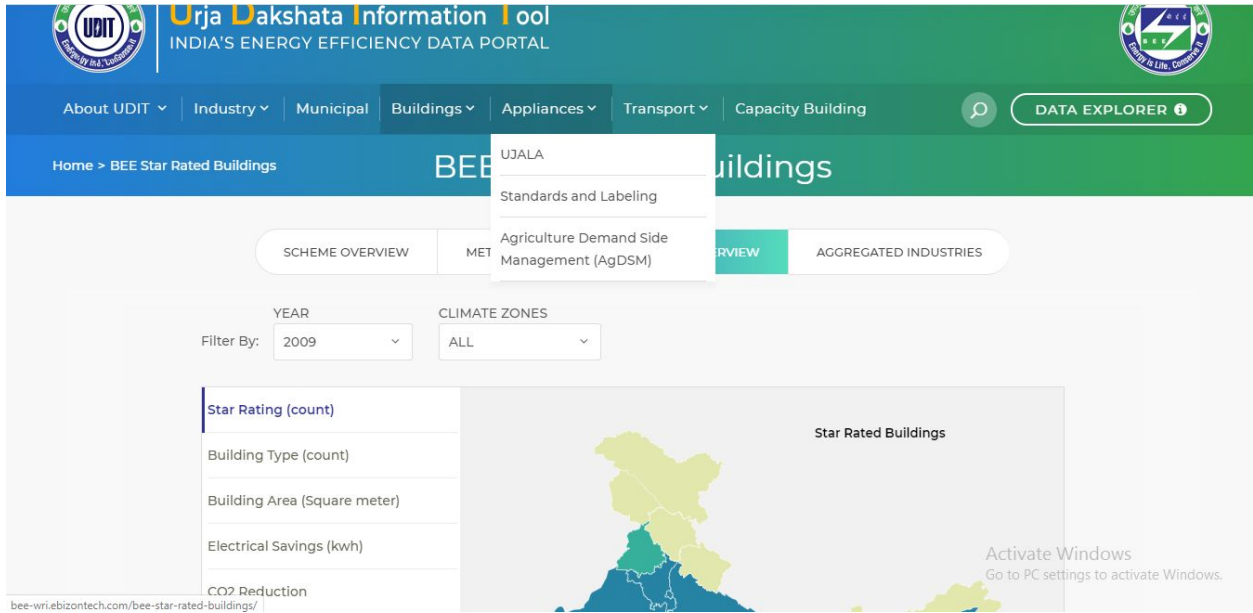
When you click on **UJALA** it will navigate to the external page, display the results of energy savings per year, CO2 reduction per year, avoided peak demand in the form of map

When you click on **Standards and Labelling** then the page will be navigated to Standards and Labelling page. There you will see two tabs with names scheme overview and S&L visualization. By default you will see the results of scheme overview. It will give the information of energy saving and thereby the cost saving potential of the marketed household and other equipment. You will have the filter(Select Year) to sort the results. When you select the year and click submit , corresponding year data will be displayed.

When you click on S&L visualization, you will see the results of appliances production in the form of bar graph and line graph. When you hover on it result will be displayed and you have a filters to sort the result and a drop down to select the option
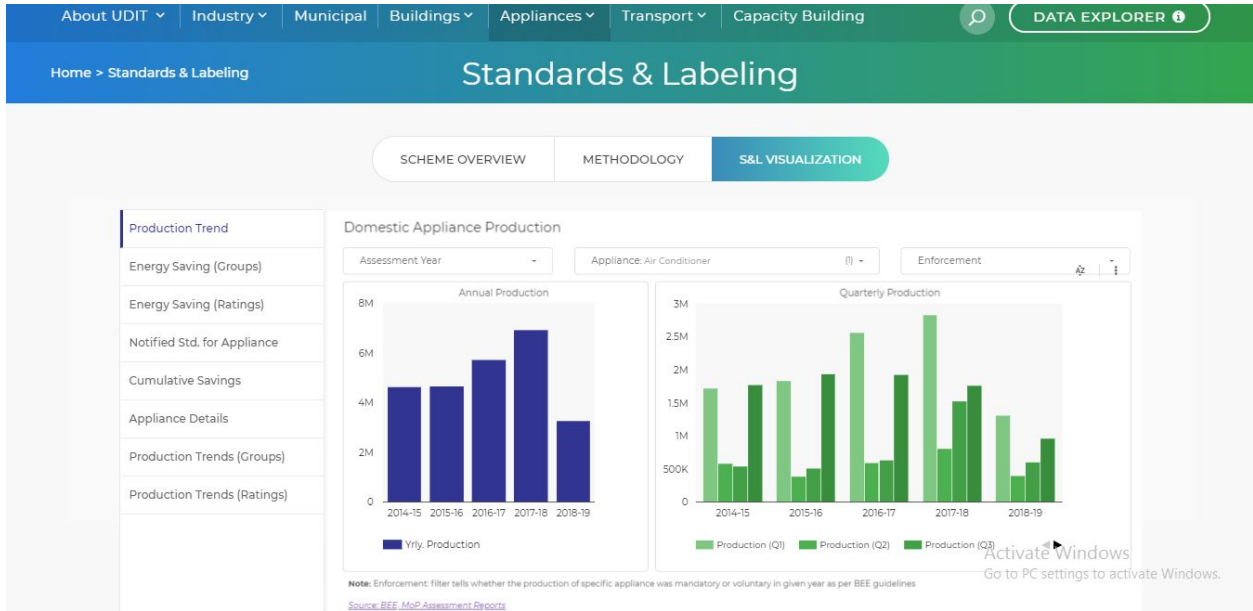
The filters are

- Year
- Enforcement
- Appliance

And the options consists of the following

- Production Trend
- Energy Saving
- Notified Std, for Appliance

When you have selected any of the options, results will be displayed based on it

When you click on **Agriculture Demand Side Management(AgDSM)** then you will navigate to the external page where you will see the data of energy savings per year, CO2 reduction per year, cost savings per year, water drawn per year and peak load demand reduction in the form of map
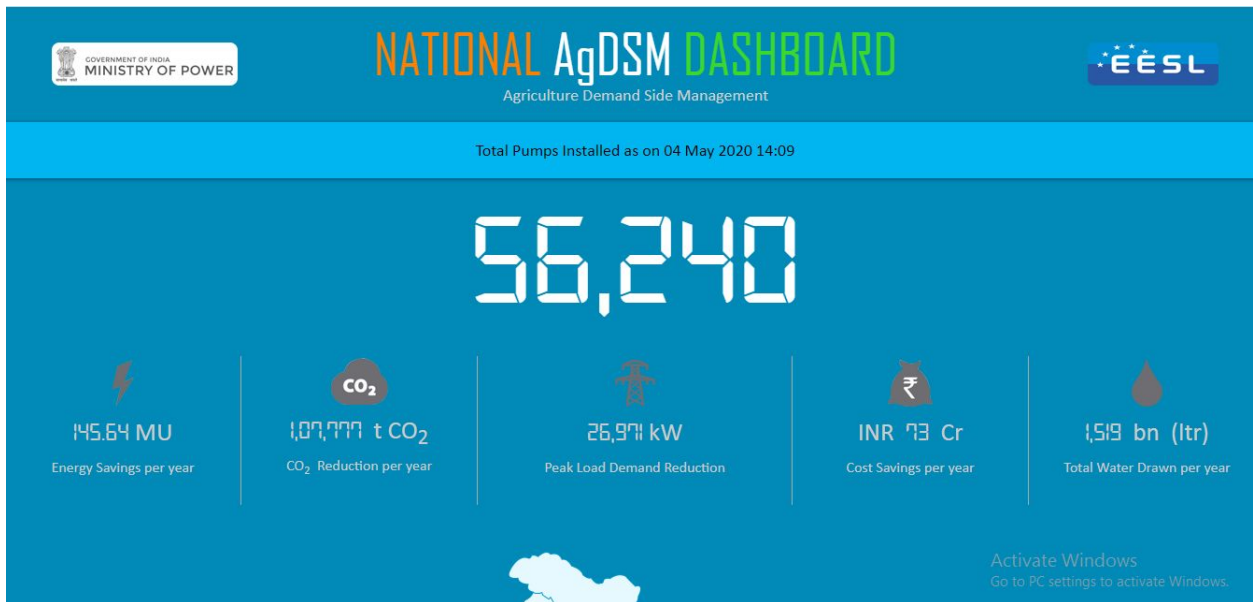
Capacity Building

When you click on **Capacity Building** then you will be navigated to DISCOM page where you will see the following options

- Scheme Overview - By default scheme overview data will be displayed.
- Capacity Building
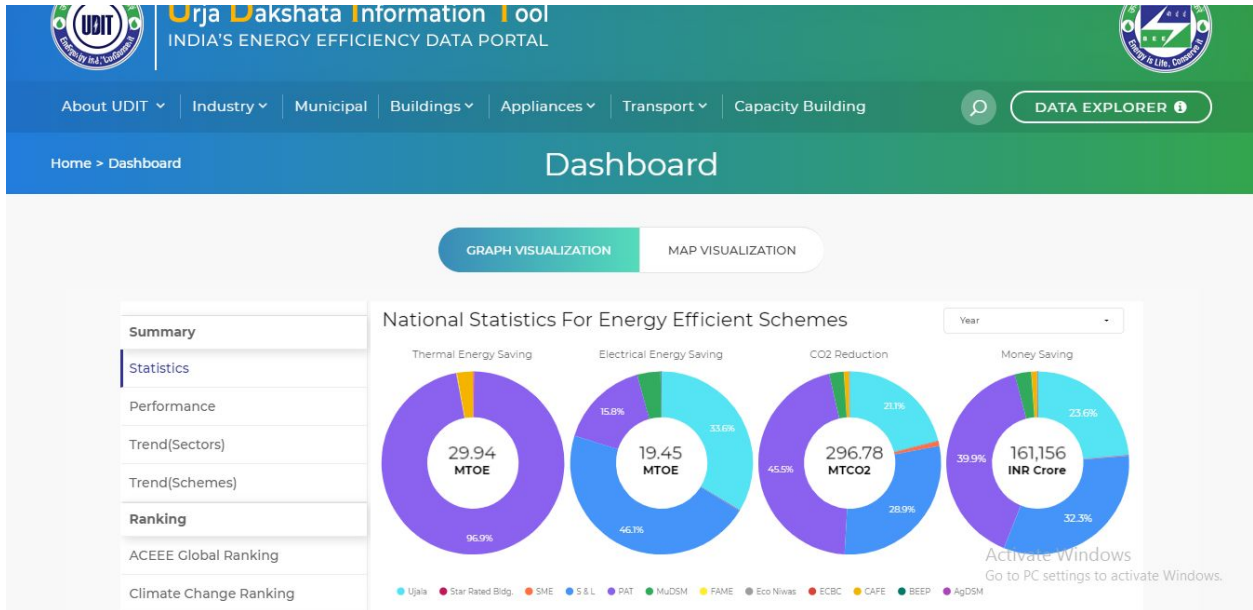- Energy Efficiency Visualization
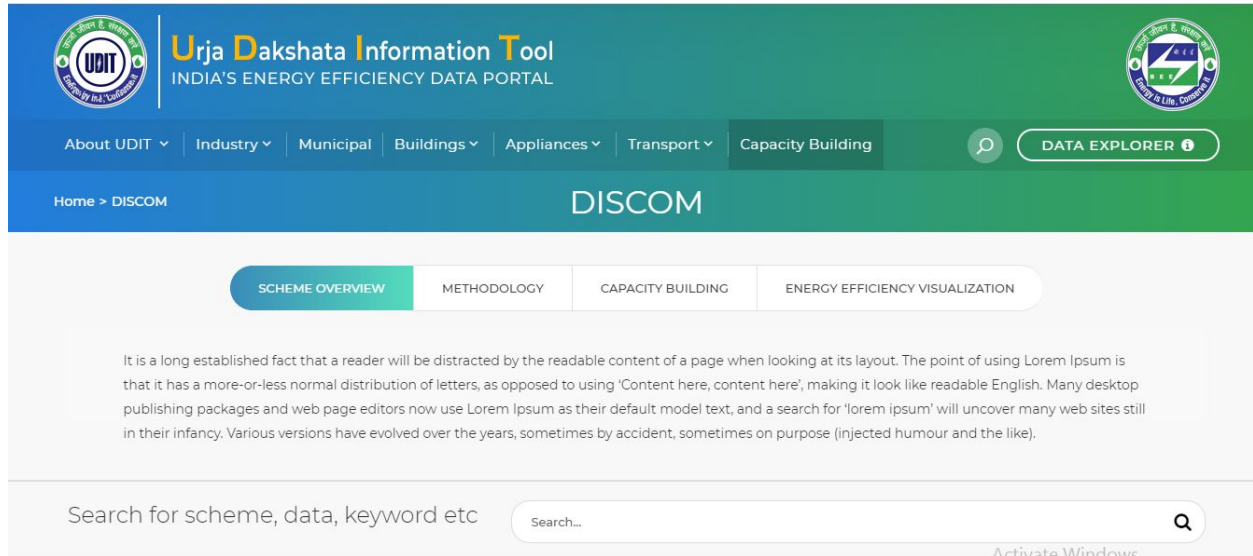
When you click on Capacity Building or Energy Efficiency Visualization then the corresponding data will be displayed.

Data Explorer

When you click on the Data Explorer, you will be navigated to the dashboard . In that you will have two options

- Graph Visualization
- Map Visualization

By default **graph visualization** will be displayed where you will see all types of schemes data in the same page in the from of pie chart. When you click on any of the radio button, corresponding data will be displayed in it. When you hover over the section, you will see the results of that section. And you will see the filter (Year) to select and sort the results based on it.

Types of schemes with radio buttons

- Overview
- PAT Scheme
- Standards and Labelling
- Building
- Municipal

When you click on **map visualization** you will see the results in the form of map. And you have a filter to select what you want. Then the selected scheme results will be displayed in the map. And you have a download button below the map to download. When you hover over any state, results will be displayed

And the filters are

- Year - select the year which you like
- Sector - Types of sectors like Agriculture, Commercial, Domestic, Industrial, Municipal, Transport, Miscellaneous, All
- Schemes - Consists of ECBC, PAT, S&L, SME, All Scheme

And different types of options to display the data of which you selected

- Energy Saving Targets by 2031(Million TOE)
- Energy Consumption

- State Level Socio-Economic Data

- Energy Intensity
- GDP data
- State Level Climate Data

- State Emission Targets
- Greenhouse Gas Emissions
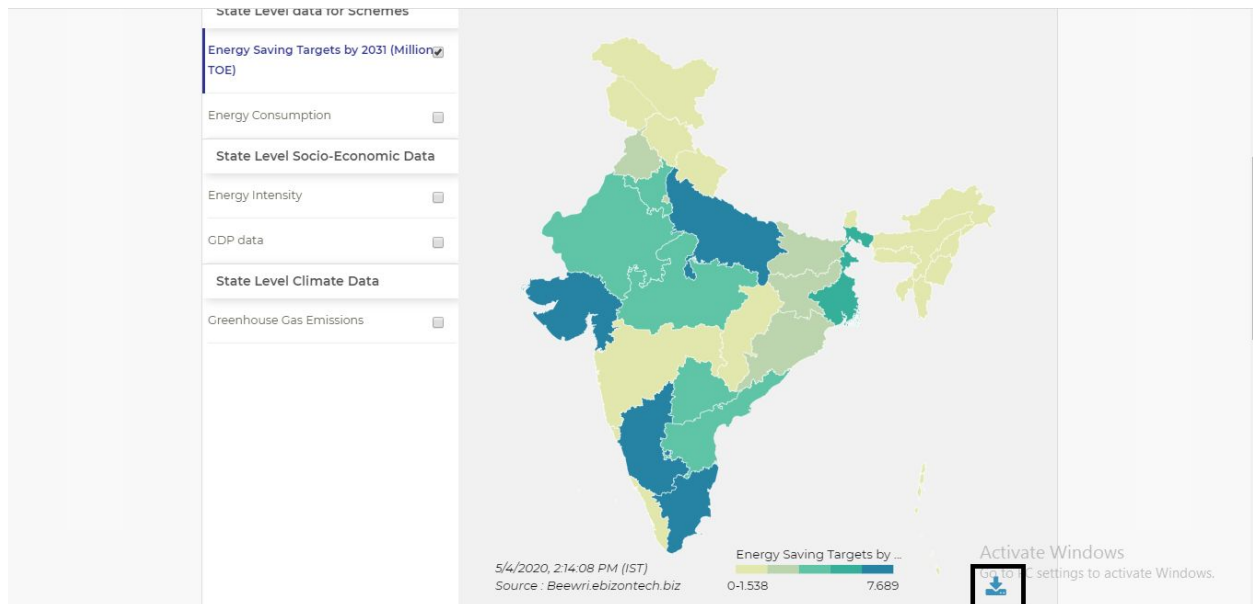
Transport

When you hover over the transport you will see the following options

- CAFE
- FAME

When you click on **CAFE**, you will be navigated to that page. It consists of the following options

- Scheme Overview
- Methodology
- Data Visualization

By default the page will open with a scheme overview. It will explain the scheme of fuel consumption standards.

When you click on methodology, it will explain the calculation of energy savings and C02 reductions under CAFE norms

If you go to the data visualization, it will display the data of CO2 reduction, petrol consumptions,energy savings and vehicle production in the form of bar graph

When you click on **FAME**, you will be navigated to that page. It consists of the following options

- Scheme Overview
- Methodology
- Data Visualization

By default the page will open with a scheme overview. It will explain the scheme of E-mobility adoption in India. It will give the information about subsidies and component wise budges

In data visualization, the data will be displayed in the form of bar graphs.

FAME

SCHEME OVERVIEW   METHODOLOGY   DATA VISUALIZATION

Accelerating E-mobility adoption in India

A mere 3,300 e-cars were added in 2018, making the total EV stock reach 10,300 with a total market share of 0.10%. As per the 2018 data captured for public chargers, total publicly available chargers accounted for just 352 chargers, highlighting a need for rapid uptake and installation of accessible and available charging stations36. The figures below show the Battery Electric Car (BEV) stock and New BEV sales (in thousands), from 2007-18.

New Battery Electric Car Sales (in thousands)

Battery Electric Car (BEV) stock (in thousands)
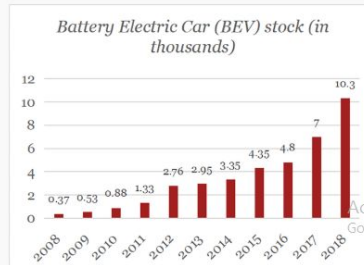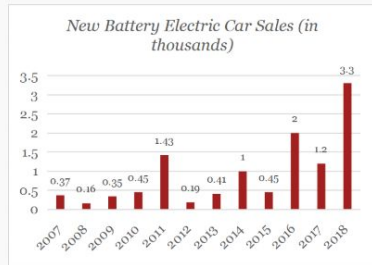
Activate Windows
Go to PC settings to activate Windows.