

User's Guide

Maharashtra Gram Panchayat GIS

त्रि-स्तर पंचायत - महाराष्ट्र

जनगणना तथ्य परस्पर विषयसंबंधीचे नकाशे सादरीकरण



GIS

Dashboard

"Independence must begin at the bottom. Thus, every village will be a republic or Panchayat having full powers. It follows, therefore, that every village has to be self-sustained and capable of managing its affairs. This does not exclude dependence on and willing help from neighbours or from the world. It will be free and voluntary play of mutual forces. Such a society is necessarily highly cultured in which every man and woman knows what he or she wants...." - Mahatma Gandhi (Harijan, 28-7-1946). [Read more...](#)



Click to View Panchayats of

Ahmednagar	Akola	Amravati	Aurangabad
Beed	Bhandara	Buldana	Chandrapur
Dhule	Gadchiroli	Gondia	Hingoli
Jalgaon	Jalna	Kolhapur	Latur
Nagpur	Nanded	Nandurbar	Nashik
Osmanabad	Palghar	Parbhani	Pune
Raigad	Ratnagiri	Sangli	Satara
Sindhudurg	Solapur	Thane	Wardha
Washim	Yavatmal		

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Developed For:

Planners, Administrators, Policy Makers, Researchers at all Levels.

Developed By:

Riddhi Management Services Pvt. Ltd.

www.riddhi.org



Geographic Information System (GIS):

GIS captures, stores, analyzes, manages and presents data that are linked to various location(s), viz. States, Districts, Sub-Districts, Revenue Villages etc., in a digital map.

In a simple term, GIS is; “visualization of information geographically”.

About Panchayat GIS:

Quantitative data in terms of numbers and percentages are difficult to internalize and remember by ordinary persons including block (358 blocks) / Panchayat Functionaries (28582 GPs of Maharashtra), who need to analyze and appreciate their performances. Display of status in colored map, is very easy to internalize. Also, since they see the status in a map showing their administrative area, it is easy to utilize the same for their planning related activities.

The Indian Census is the most credible source of information on demography. Initiated from 1872, Census 2011 is the 15th National Census of the country.

This system allows you to analyze demographic and housing data (Census 2011) on various census indicators at Gram Panchayat Level.

Entering into the System:

Type the following URL in your internet browser:

www.rdd.maharashtra.gov.in

The following screen appears:

The screenshot shows the homepage of the Rural Development & Panchayat Raj Department. The header includes the department name and the state emblem. A navigation menu contains links for Home, About Us, Scheme, Training Calender, Panchayati Raj Campaign, Our District, and Grampanchayat G.I.S. Dnyankosh. A search bar is located on the right. The main banner features a rural road scene and a circular graphic with various icons representing different services. Below the banner, there are sections for 'Key Person' and 'Objective'.

The following screen:

The screenshot shows the 'Grampanchayat G.I.S. Dnyankosh' page. The header is identical to the homepage. The main content area displays the title 'Grampanchayat G.I.S. Dnyankosh' and a breadcrumb trail: 'You are here: » / Home » / Grampanchayat G.I.S. Dnyankosh'. Below this, there is a list of bullet points in Marathi and English, describing the demographic and household data available. A red box with the text 'Click Here' points to the URL 'http://117.247.65.9/mhgp/index.jsp?MenuID=1178' at the end of the list.

The following screen:

त्रि-स्तर पंचायत - महाराष्ट्र
जनगणना तथ्य परस्पर विषयसंबंधीचे नकाशे सादरीकरण

GIS Dashboard

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Two modules are there:

- GIS
- Dashboard

Click on a district name to view the **GIS**:

The following screen appears:

Zila Parishad-Nagpur

Refresh | Zoom Window | Zoom Extent | Print

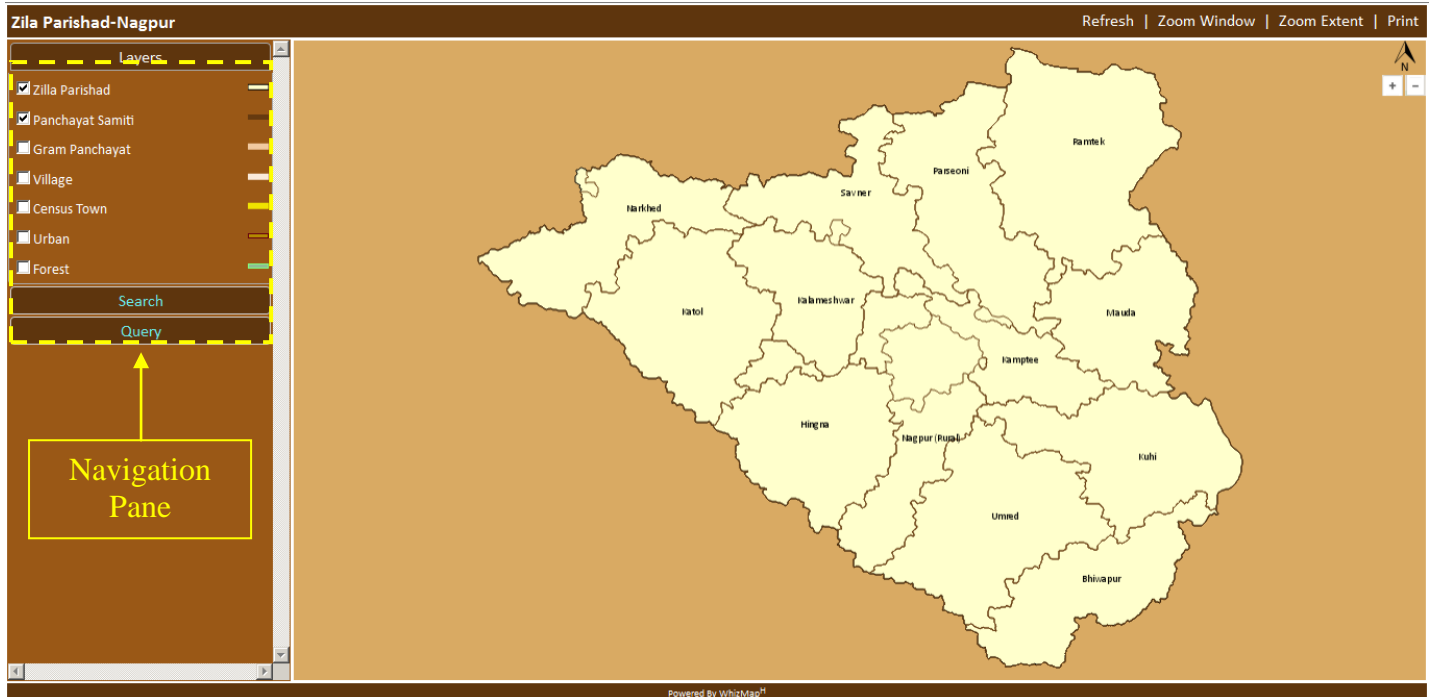
Layers

- Zilla Parishad
- Panchayat Samiti
- Gram Panchayat
- Village
- Census Town
- Urban
- Forest

Search

Query

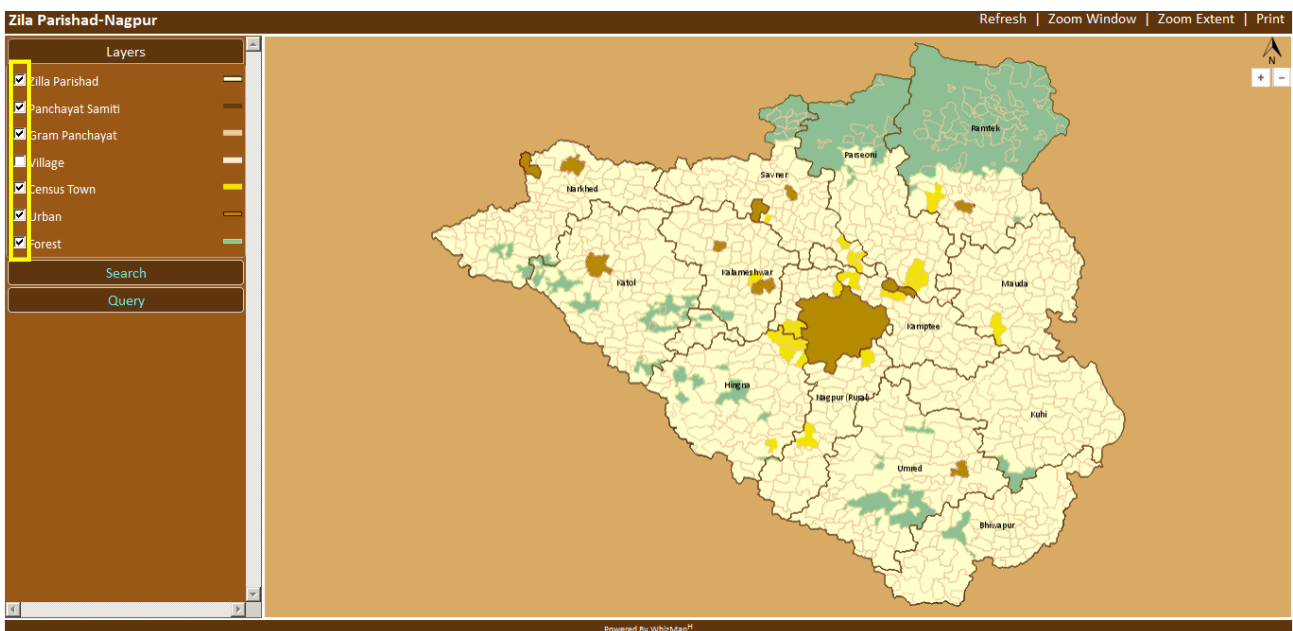
Powered by WhizMap



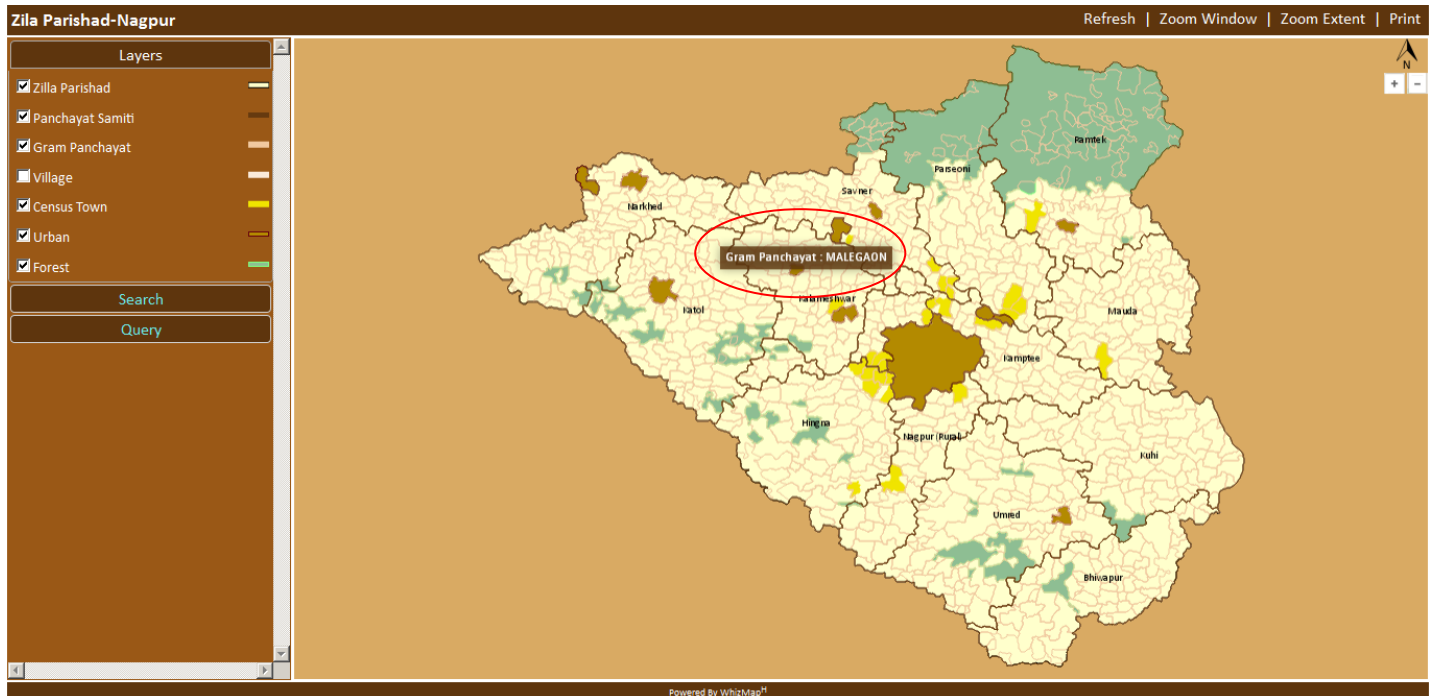
“Navigation Pane” helps you to customize your preferences for viewing different layers in the map and constructing thematic maps with different Census Demographic / Housing indicators etc.

The above map shows Nagpur Zilla Parishad as well as different Panchayat Samiti boundaries.

You can turn on Gram Panchayat, Urban, Forest and other layers in the map by selecting the check boxes from layer menu.



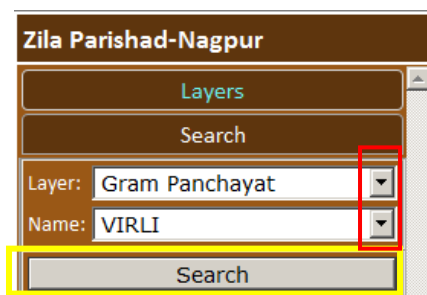
As you hover your mouse cursor over a region, it shows you the name of the region, as shown below:



Search Locations:

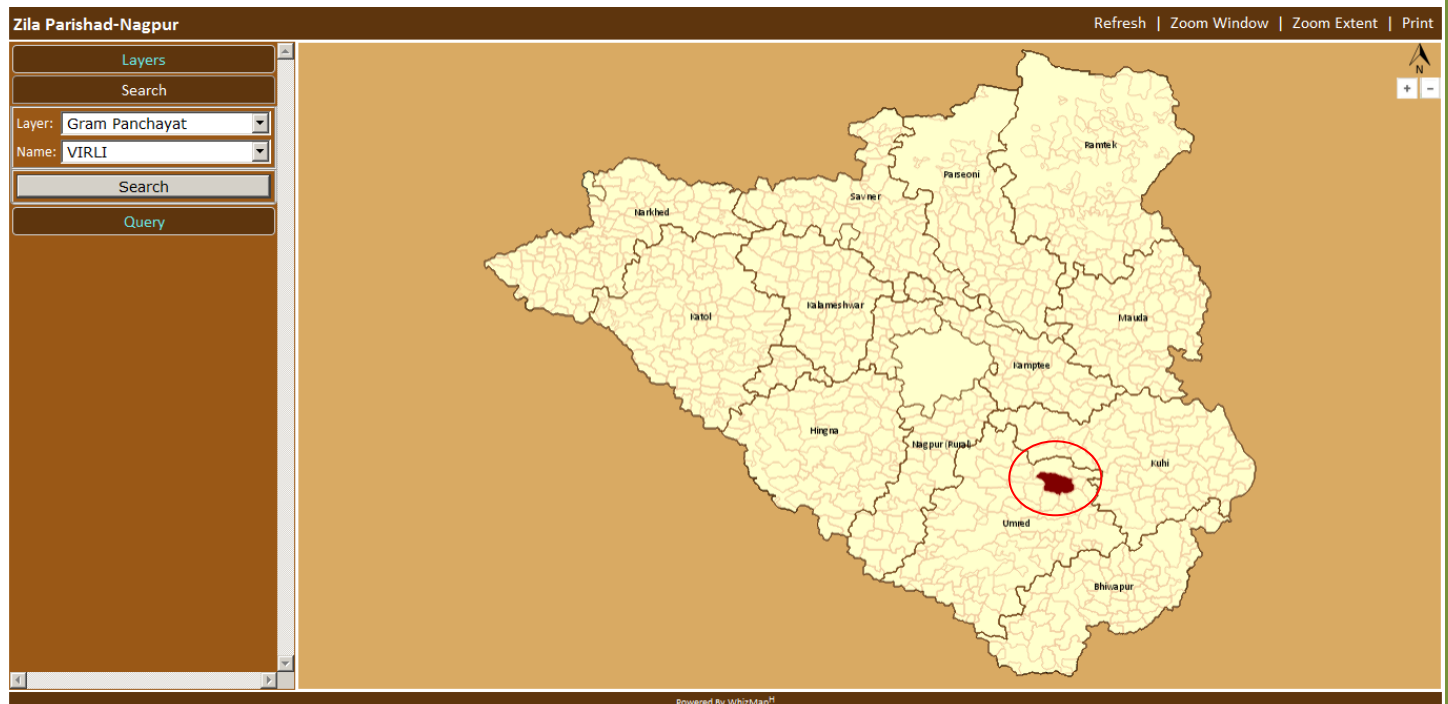
How can I **find** a **location** of my interest quickly without hovering the mouse pointer over the entire map region?

Click on the 'Search' menu located under navigation pane



Select the name of location you want to find from the **drop-down menus** (*move your mouse cursor to the scroll icon beside the box, to find the names*) and click on "Search Map" button, as shown below:

The searched location will be highlighted in the map as shown below:



Preparing Thematic Maps (Simple & Range Query):

How can I make **queries** with Indicators, such as, **Female Literacy Rate at Gram Panchayat level?**

Click on the 'Query' menu located under navigation pane

Select "**Category for Information**" and choose the respective "**Indicator**" from the drop-down menus (*move your mouse cursor to the scroll icon beside the box to find the names*), as shown below:

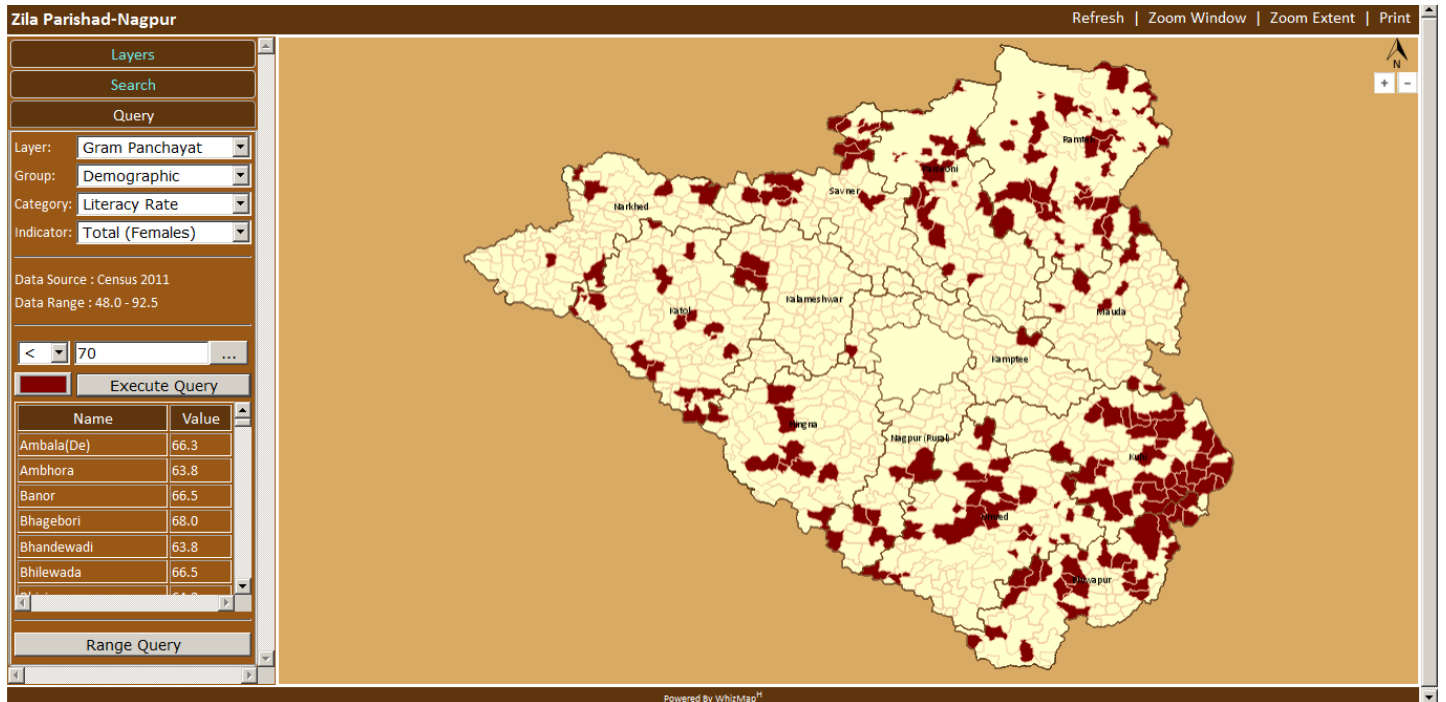
A Layer: Gram Panchayat

B Range (minimum & maximum values) is visible

C Select operator, e.g. less than (<), more than (>), equal to (=), more than equal to (>=) and less than equal to (<=)

D Enter your desired value within the range

E Click on "Execute Query" button to view the result in Map



The regions, fulfilling your given criterion will be highlighted in the map as shown above, you can also generate a report containing names and the respective values for the thematic map, which you have just prepared.

Query

Layer:

Group:

Category:

Indicator:

Data Source : Census 2011
Data Range : 48.0 - 92.5

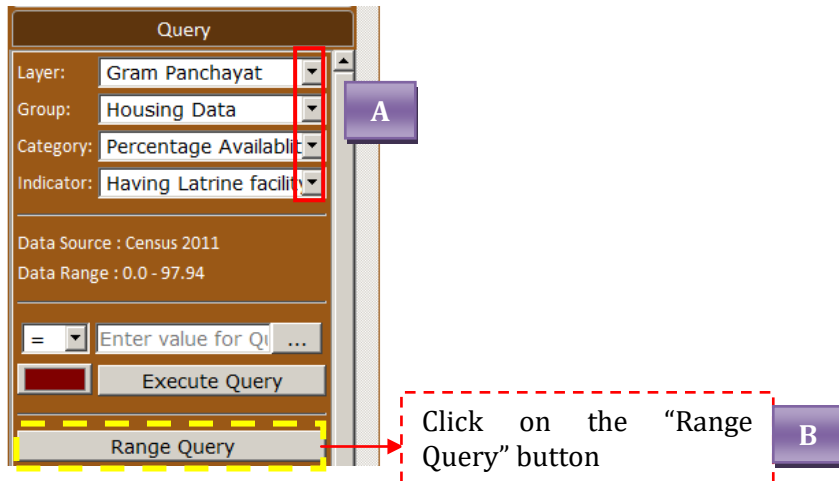
< ...

Name	Value
Wadamba	61.7
Waghoda	66.7
Waranga	68.8
Warghat	60.1
Welgaon	65.9
Yerla	69.5

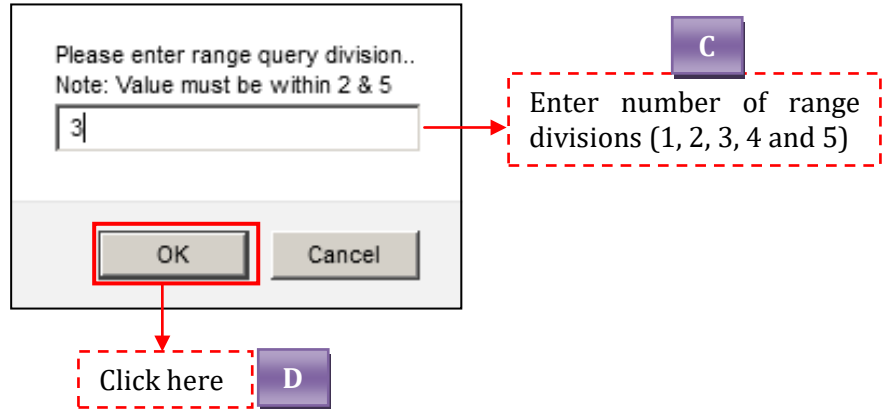
Panchayat Samiti	Gram Panchayat	Total (Females)
Narkhed	Ambala(De)	66.3
Kuhi	Ambhora	63.8
Kuhi	Banor	66.5
Bhiwapur	Bhagebori	68.0
Mauda	Bhandewadi	63.8
Ramtek	Bhilewada	66.5
Bhiwapur	Bhivi	64.8
Ramtek	Borda	64.9
Katol	Bori	69.3
Kuhi	Bori(N)	68.0
Nagpur (Rural)	Borkhedi	67.8
Bhiwapur	Botezari	61.0
Umred	Bramhani	66.5
Kalameshwar	Budhala	64.1
Kalameshwar	Chakdoh	65.8
Kuhi	Channa	63.9
Bhiwapur	Chichala	64.8
Ramtek	Chichala	64.8
Kuhi	Chikna	68.1
Hingna	Degma(Bu)	65.8
Hingna	Degma(Kh)	62.9
Kuhi	Devadikala	62.3
Umred	Devli	68.9
Bhiwapur	Dhamangaon(G)	68.7

How can I prepare a **Thematic Map** on **Percentage availability of Latrine** at **GP level** using **different themes** for **different range of values**?

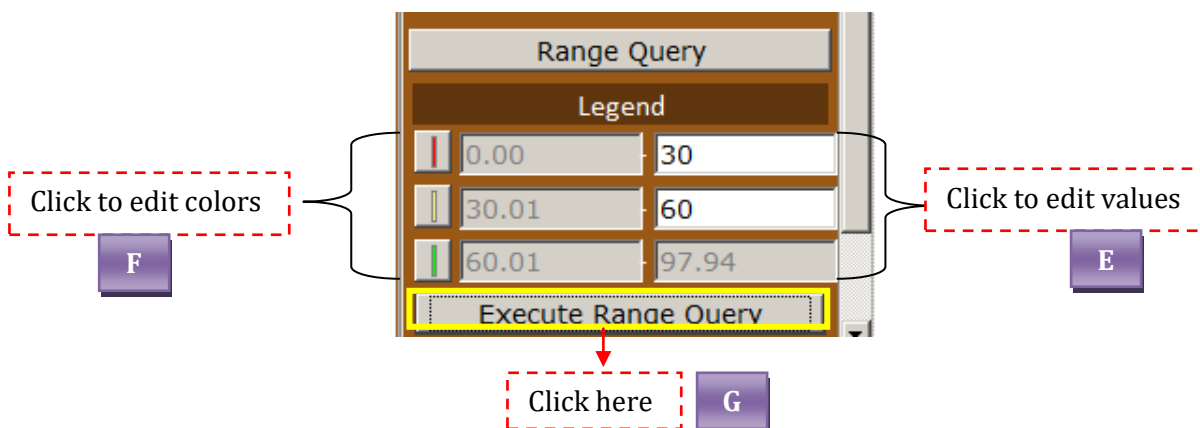
Select **“Housing Data”** from Group, **“Percentage availability of Latrine”** from Category and choose the **“Having Latrine Facility”** from Indicator from the drop-down menus:



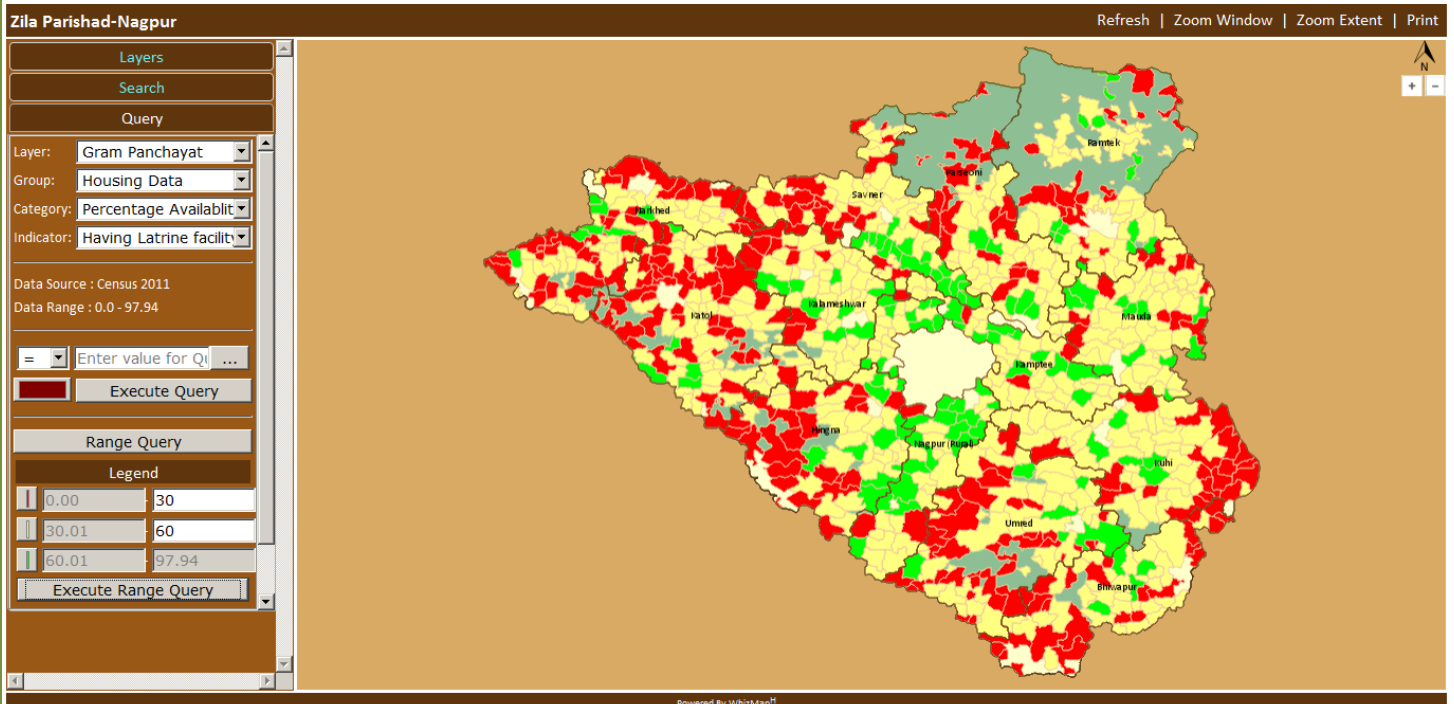
As you click on **“Range Query”** button, the following screen appears



The following screen appears:

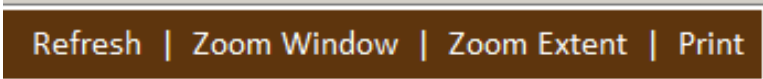


Click on “Execute Range Query” button, the result will be displayed in the map, as follows:



Zooming and Panning facilities:

This facility allows you to resize and move the map so that every part of the map can be viewed, as desired. The Zooming and Panning buttons are there, as shown below:



Zoom Window:

Click on the ‘Zoom Window’ button
Click and drag the portion of the map which you want to magnify



You can also zoom in/out the map by clicking on these buttons located at the top right corner of the map

Zoom Extent:

Click the button to bring the map to the default size and position

Refresh:

Click on the button to reset the Map and to cancel all current operations

Pan:

Click and drag the mouse cursor on the map to the direction where you want to shift the map

Print:

Click to generate print-out of the page

Contact us:

Please feel free to contact us for further assistance.

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