User's Guide

Census GIS India

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INDIAN CENSUS 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. Census-CIS reflects Population characteristics, Economic Activity, Literacy and Education, Urbanization, Scheduled Castes and Scheduled Tribes. This system allows the user to compare Census data of 2001 and 2011 on bove parameters.								
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Riddhi thankfully acknowledges the NOC of the ORGI vide letter No. XII-003/02/012/2009-Map/02 dated 31st December, 2013.

Developed For: Planners, Administrators, Policy Makers, Researchers at all Levels.

Developed By:

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Riddhi Management Services Pvt. Ltd. <u>www.riddhi.org</u>

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 Census GIS:

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 compare Census data of 2001 and Census 2011 on various census indicators.

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Entering into the System:

Type the following URL in your internet browser:

www.censusgis.org

The following screen appears:





Click on any NAME (India, Gujarat, Maharashtra,) to open the Census GIS

Let us open 'India' Map here...

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"Navigation Pane" helps you to customize your preferences for viweing different layers in the map and constructing thematic maps with different Census Demographic indicators etc.

The above map shows India as well as different State and Union Teritorry boundaries.

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



you want to view the District boundaries within the State in the above map, select and click on the **check-box**, namely, **"District"** from the top-left corner of the window as shown below:



District boundaries will be visible in the map, as shown below:



Search Locations:

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

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 in Red colour:



Similarly, you can search a district.

Preparing Thematic Maps (Simple & Range Query):

How can I make **queries** with Indicators, such as, **Rural Female Literacy Rate**?

Select **"Layer"**, **"Category**" 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:





The regions, fulfilling our 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.

How can I prepare a **Thematic Map** on **Percentage of Tribal Population** at **District level**?

Turn on the **District** layer, Select **"Percentage ST Population**" from **"Category**" and choose the **"Person (Total)**" **"Indicator**" from the drop-down menus:



Result:



How can I prepare a **Thematic Map** on **Population Density (per Sq. km.)** at **State level** using **different themes for different range of values**?

Select **"Population density (square km.)**" from **"Category**" and choose the **"Population density**" **"Indicator**" from the drop-down menus:





Result:





Would you like to view the scenario of "**Child Sex Ratio**" between **Census 2001 & 2011?** If **yes**, do the following:

Select **"Child Sex Ratio**" from **"Category**" and choose the **"Child Sex Ratio (Total)**" **"Indicator**" from the drop-down menus:



The result can be viewed in the dual map, as follows:



Would you like to view the scenario of "**Child Sex Ratio**" between **Census 2001 & 2011 at District level?** If **yes**, do the following:

Turn on the **District** layer, then repeat the process as described above:

				Select	'District' Layer	
Layers			Search		Query	
🗹 India	_	Layer:	State 🔹	laver:	District	
🗹 State		Name:	Andaman and Nicobar Islands	C-1	Child Cau Datia	
District	-1		Search	Category:	Child Sex Ratio	•
			Open Map	Indicator:	Child Sex Ratio (Total)	•
			Open 2001 & 2011 Map	Data Range	: 766 - 1035	Range Query
				< 🔻 935	5	Go

District level scenario on Child Sex Ratio displayed, as follows:

Layers India — State — District —	Search Layer: State Name: Andaman and Nicobar Islands Search Open Map Open 2001 & 2011 Map	Query Layer: District Category: Child Sex Ratio Indicator: Child Sex Ratio (Total) Data Range : 766 - 1035 < 7 935	Range Query	Name Adilabad Agra Agra Ahmadabad Ahmadabad Ahmadabad	Year Value 2011 934 2001 866 2011 861 2001 866 2011 857 2001 884	6 8	Q	0 •
	India (Census 2001)	Powtrd by	WhiteMp	India (Census 20)		*		A

How to view **individual State Map**?

Click on **'Search'**, select the **State Name** from the drop down menu and then click on **'Open Map'** button:

India (Census 2011)		India (Census 2011	.)
Layers	*	Layer	s
🗹 India 🦳		Searc	h
🗹 State 📃		Layer: State	•
District		Name: Chhattisgarh	· ·
Search	↓ →	Open Map	Search
Query Open 2001 & 2011 Map			2011 Map

The selected State map will appear with 'Sub-District' Layer:



How to view individual District Map with Revenue Villages?

From the individual State Map window, open a district map through **'Search' menu**, select the **District Name** from the drop down menu and then click on **'Open Map'** button:



The selected District map will appear with '**revenue village**' Layer:



District Map highlighting Revenue Villages (child population is more than 200)



Location wise Data:

When you click on any location on the map (activating the '**Query'** menu), an information box appears in the left panel showing the value of all indicators under the selected category, as shown below:



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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:

Refresh Zoom Window Zoom Extent Print
Zoom Window: Zoom Window
Click on the 'Zoom Window' button Click and drag the portion of the map which you want to magnify
Alternatively, you can click for zoom in/out
Zoom Extent: Zoom Extent
Click the button to bring the map to the default size and position
Pan:
Click and drag the mouse cursor to the direction where you want to shift the map
Refresh: Refresh
Click on the button to reset the Map and to cancel all current operations

Census Demographic Data Categories:

SI No	Concue Domographic Data Catagorias
3L. NU.	Census Demographic Data Categories
1	Population
2	Population (0-6 years)
3	Population (SC)
4	Population (ST)
5	% SC Population
6	% ST Population
7	Population Density (Per Sq. km.)
8	% Urban Population
9	Sex Ratio
10	Sex Ratio (0-6 years)
11	Sex Ratio (SC)
12	Sex Ratio (ST)
13	Number of literates
14	Number of illiterates
15	Literacy Rate
16	Gender gap in literacy rate
17	Gap in literacy rate by residence
18	Total Workers
19	% Total workers
20	% Main workers
21	% Marginal workers
22	% Non-workers
23	% Cultivators
24	% Agricultural Labourers
25	% HHI workers
26	% Other workers
27	% Workers in agri sector
28	% Workers in non-agri sector
29	Extreme marginal worker
30	% Extreme Marginal worker
31	% Marginal workers (3-6 months)

Census Indicators of these categories are available with following break-up:

- Male/Female
- Urban/Rural

Contact us:

Please feel free to contact us for further assistance.

Helpline support from Kolkata Mr. Suman Ghosh

Training and System Software Administrator suman@riddhi.org

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