

# **GIS Based Industrial Information System**

**User Manual V 1.0**

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# 1. The Purpose of GIS-IIS

The purpose of the GIS based Industrial Information System (GIS-IIS) is to help an investor planning to use own/revenue/converted land for setting up their industry by:

- Helping them understand details of various facilities, infrastructure and other assets in its vicinity
- Ascertaining whether their chosen land parcel meets all the siting guidelines and rules/regulations for their industry type

# 2. System Overview

## Categorisation of Industry / Organization / Activity

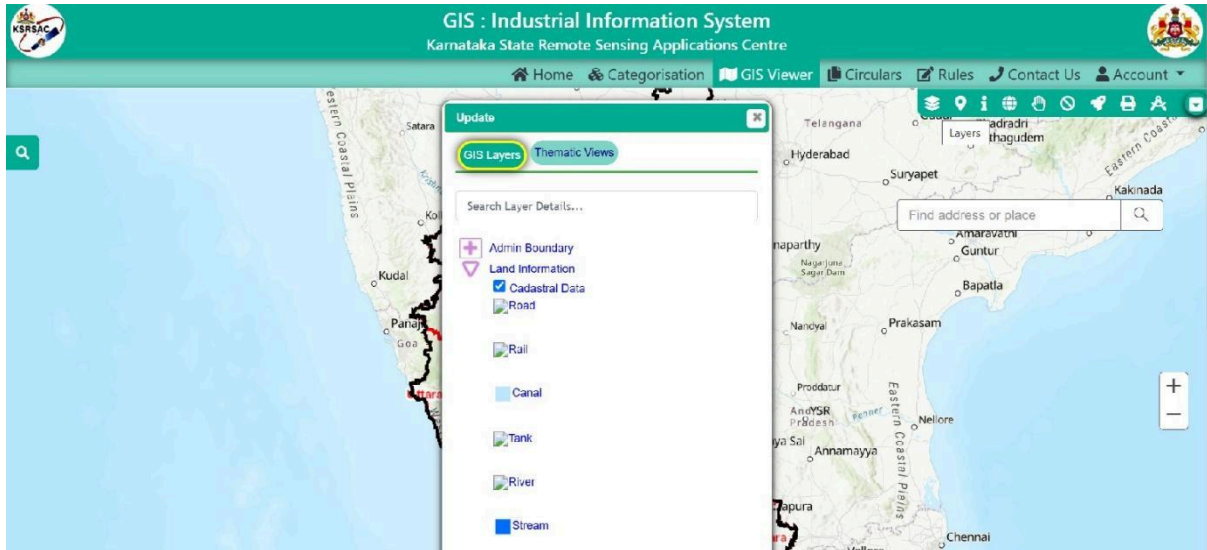
Industry Type	Industry Rules
Airports and Commercial Air strips	Click to View Rules
All	Click to View Rules
Aluminium Smelter	Click to View Rules
Asbestos and asbestos based industries	Click to View Rules
Automobile Manufacturing (integrated facilities)	Click to View Rules
Automobile servicing, repairing and painting with effluent quantity is more than 100KLD	Click to View Rules
Basic chemicals and electro chemicals and its derivatives including manufacturing of acid	Click to View Rules
Building and construction project more than 20,000 sq. m built up area - Waste water generation>100 KLD	Click to View Rules

Showing 1 to 8 of 95 entries

Previous 1 2 3 4 5 ... 12 Next

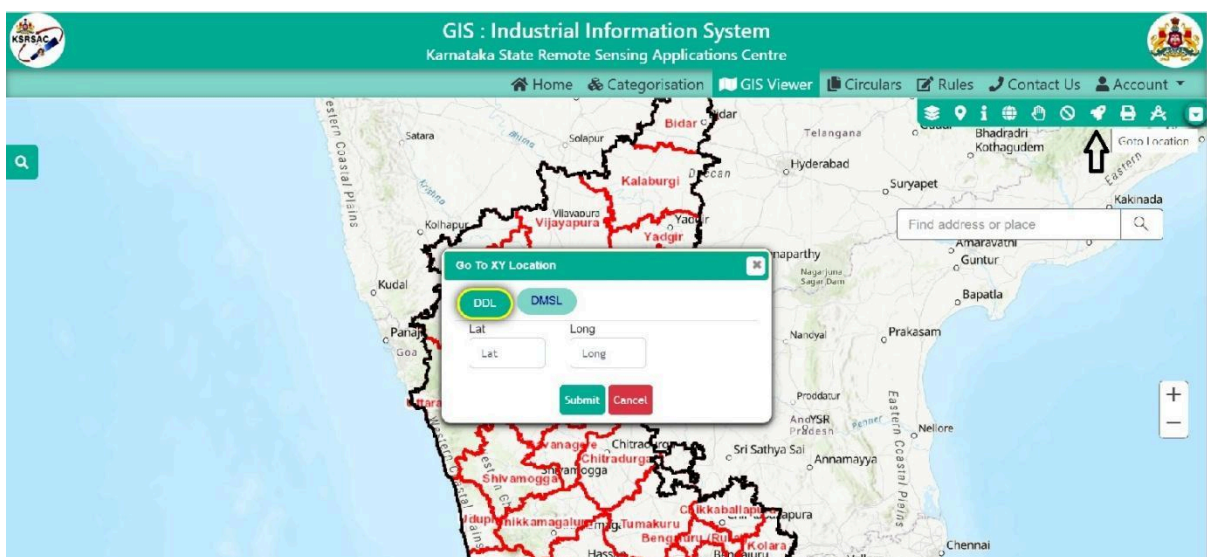
### 3. Steps Involved

It is highly advisable that the investor enables the option of Cadastral data on the map before using the functionality of the GIS Viewer. This can be done by clicking the “Layers” option as shown below and then going to “Land Information” section in the popup

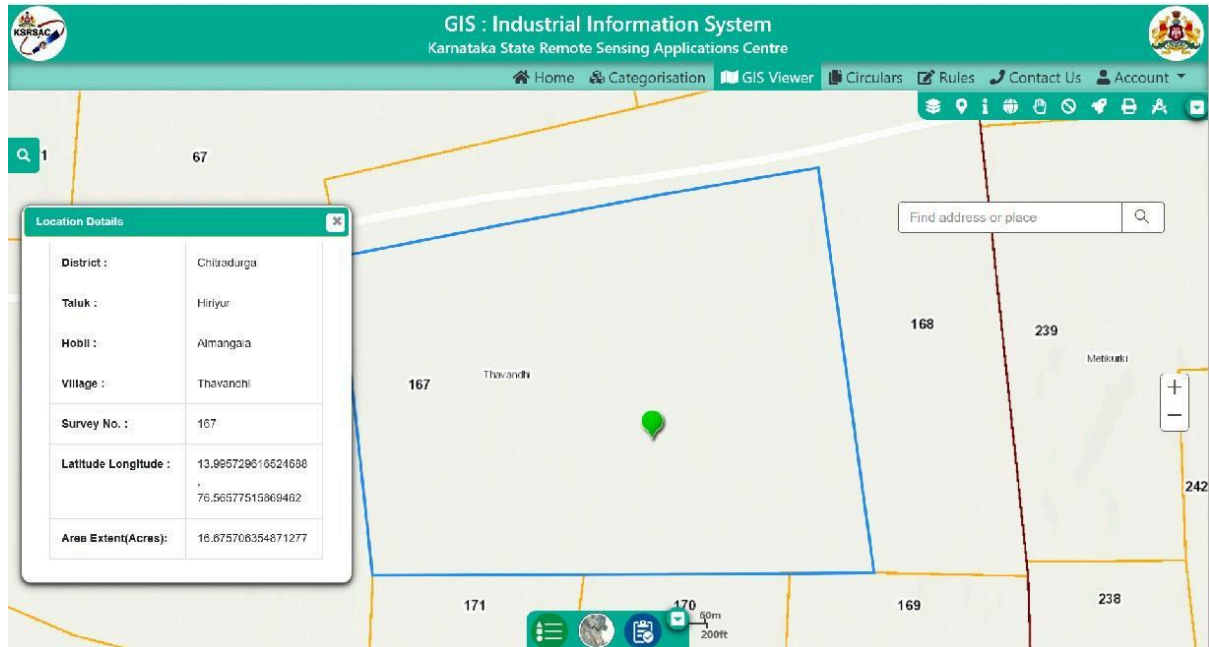


The next step is for the investor to navigate to the land of interest. This can be done using of the following 3 ways:

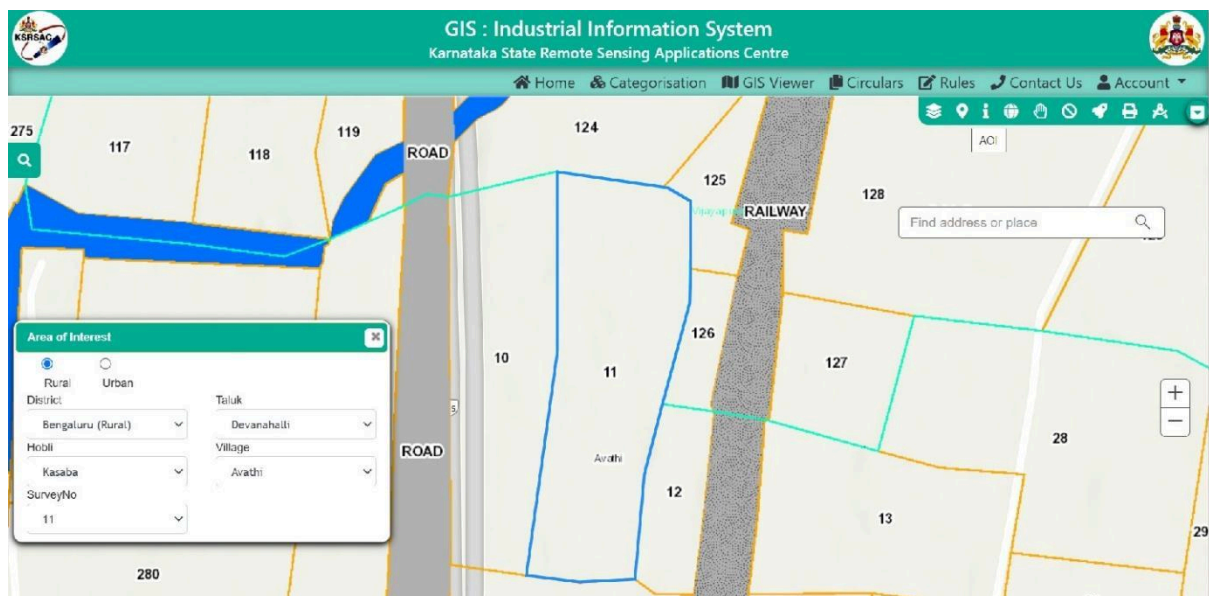
i). **By using Latitude/Longitude of the land parcel** – To use this option, the investor needs to click the Go-to icon on the GOS Viewer option menu as shown below



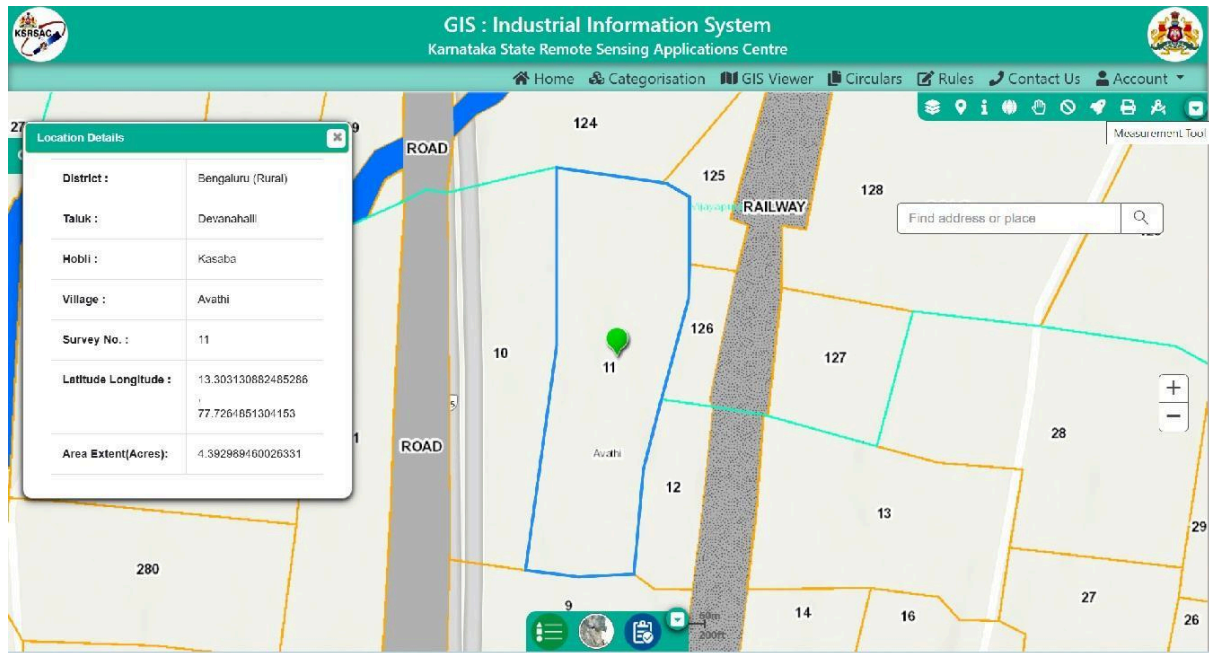
ii). **By zooming in to the location of interest and dropping the pin** – To use this option, the investor needs to simply zoom-in/zoom-out to the location of interest just like Google maps and dropping a pin as shown below



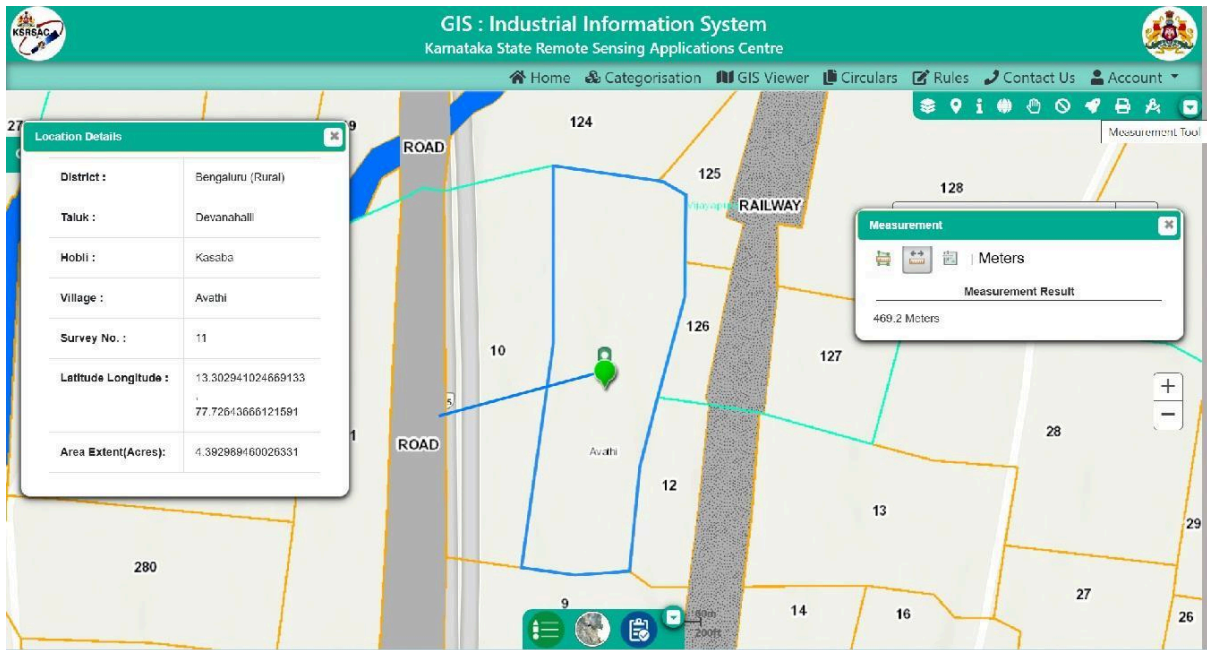
iii). **By using the Area of Interest (AOI) option in the GIS Viewer menu option** – By using the AOI option of the GIS Viewer menu, an investor can navigate to the location/land of interest by providing inputs like District, Taluka, Hobli, Village & Survey Number.



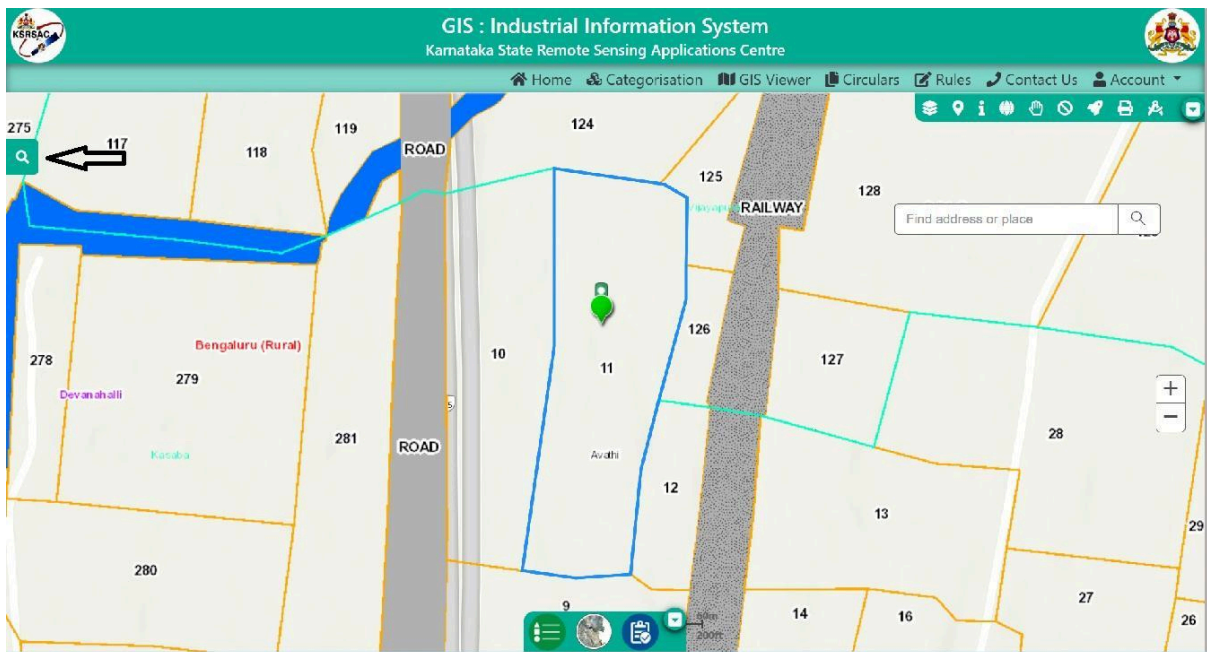
After navigating to the location/land parcel of interest through any of the 3 options mentioned above, when the investor drops a pin there by clicking, details as per state's land records are displayed, as shown below



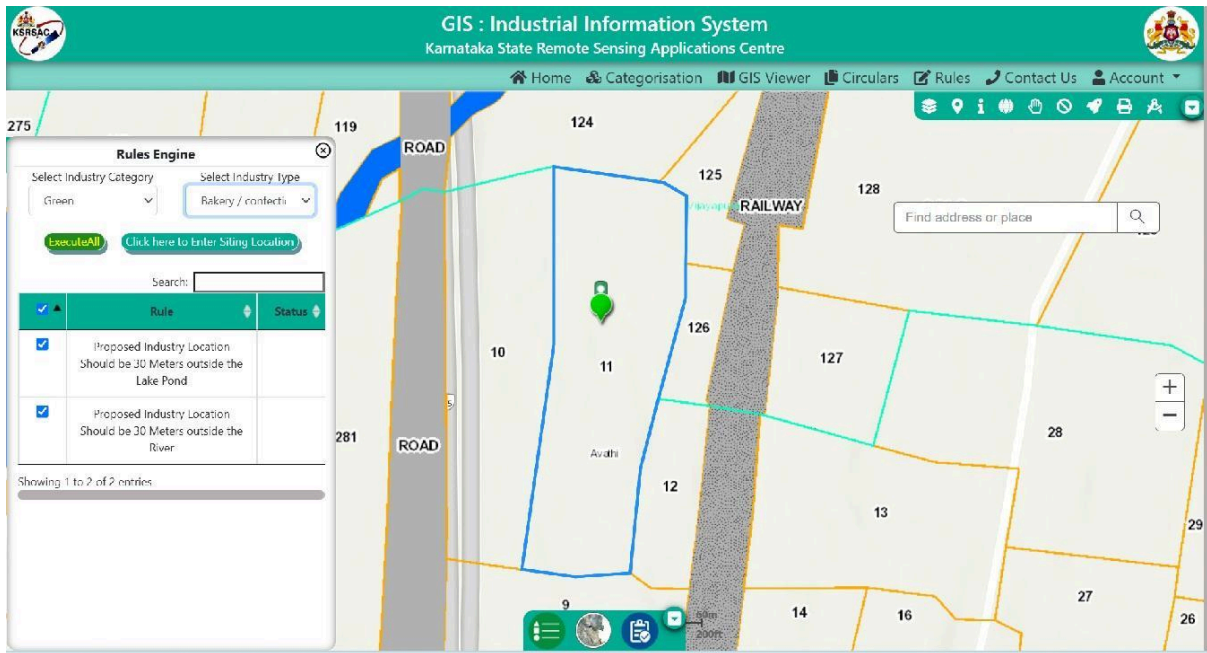
The system allows the investor to check the location's proximity to various infrastructure, assets, natural resources or points of interest. This can be done by using the "Measurement Tool" menu option in the "GIS Viewer". Example – proximity of the land to nearest road can be quickly ascertained as show below



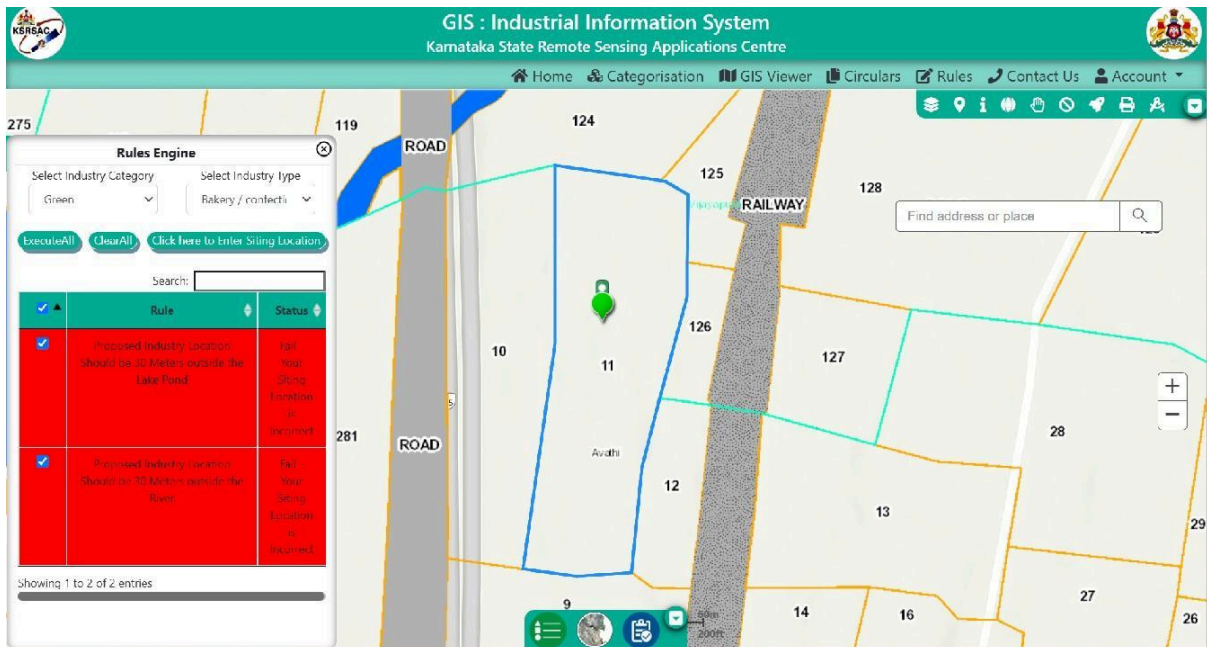
To determine compliance of the location/land-parcel to various siting rules and guidelines, the investor needs to click on the Search option as displayed below.



In the Rules Engine window, the investor needs to enter the Pollution category classification (Red/Orange/Green/White) as per norms of Karnataka State Pollution Control Board (KSPCB) and also the Industry Type from the 2 dropdowns. Once this is done, the Rules Engine will show the relevant siting rules and regulations, as depicted below



Upon clicking on the “Execute All” option on the Rules Engine window, the system will spatially check compliance of the location/land-parcel with the applicable rules for the relevant industry type. The output from the system will show whether or not, the location/land-parcel meets the siting rules & regulations as shown below







Rules Engine

Select Industry Category: Green  
Select Industry Type: Bakery / confectionery

Execute All Clear All Click here to Enter Siting Location

Search:

Rule	Status
Proposed industry location should be 30 Meters outside the Lake Pond	Success
Proposed industry location should be 30 Meters outside the River	Success

Showing 1 to 2 of 2 entries

