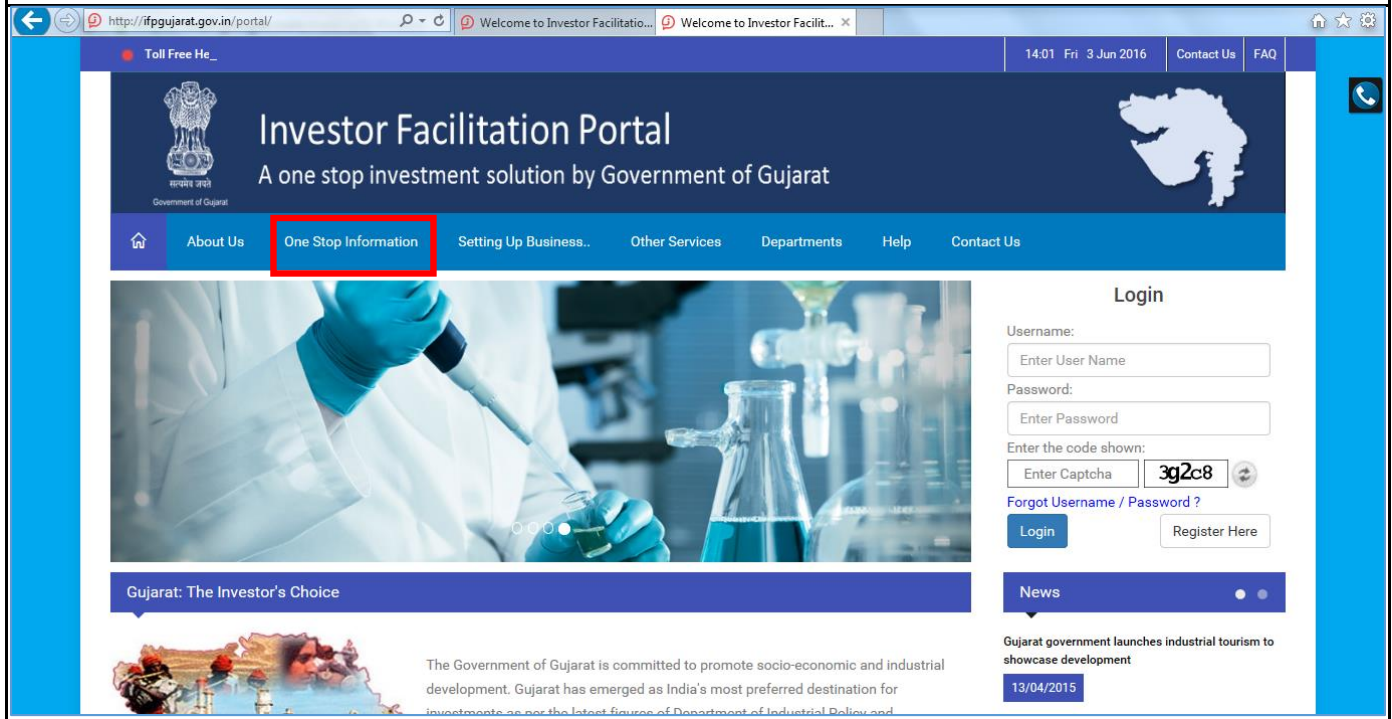
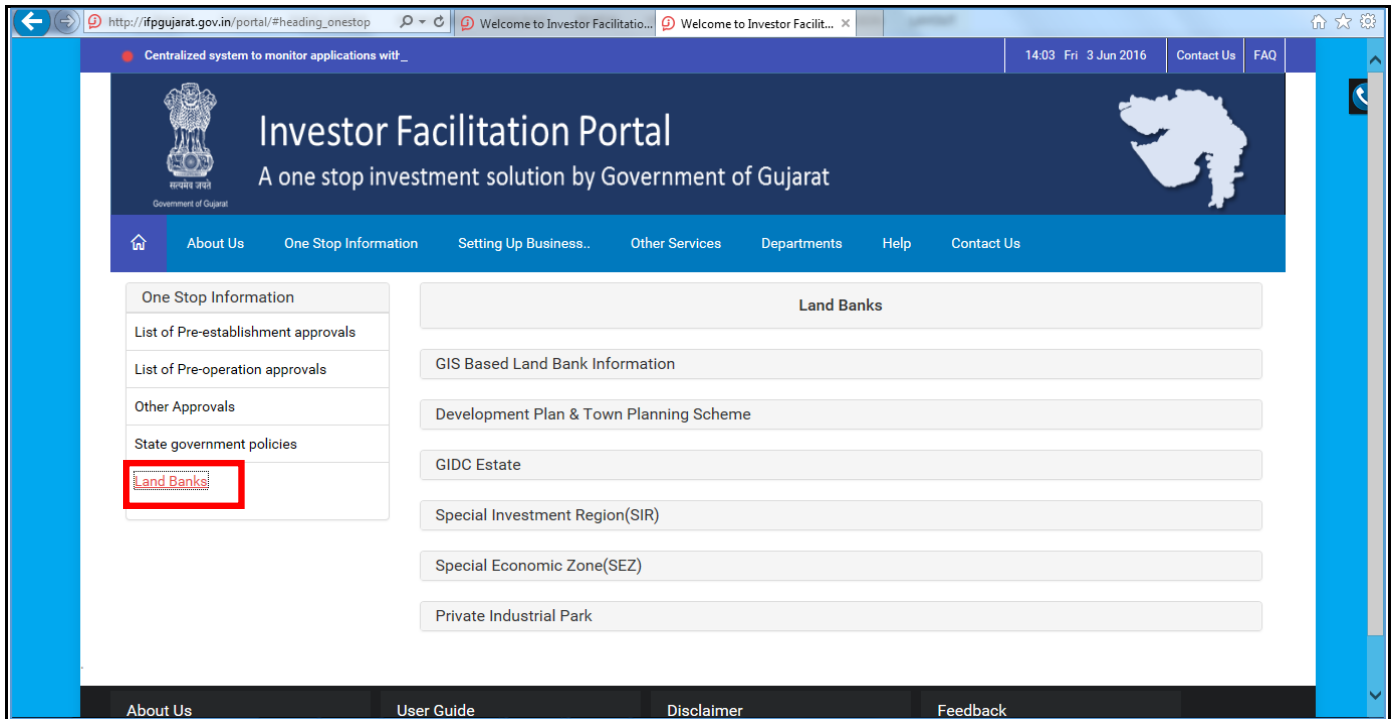


Sr. No.	Recommendation	Response (Yes/No/NA)	Supporting Materials
43	Earmark industrial land parcels with specific criteria (e.g. type of industries, pollution levels etc.) for industries that can be setup on such land	Yes	URL of the webpage highlighting the detailed information on industrial land parcels with specific criteria for industries that can be setup on such land

URL: <http://ifpgujarat.gov.in/portal/index.jsp#>

http://ifpgujarat.gov.in/portal/#heading_onestop





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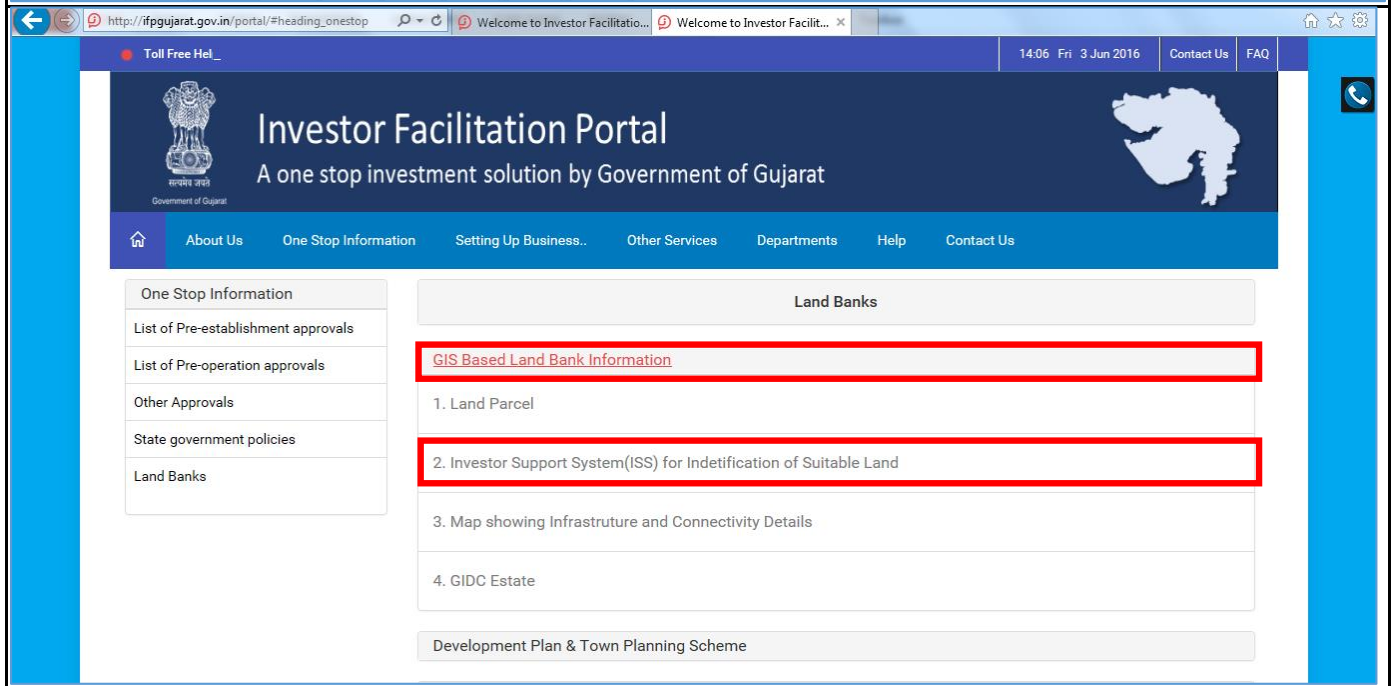
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- List of Pre-operation approvals
- Other Approvals
- State government policies
- Land Banks**

Land Banks

- GIS Based Land Bank Information
- Development Plan & Town Planning Scheme
- GIDC Estate
- Special Investment Region(SIR)
- Special Economic Zone(SEZ)
- Private Industrial Park

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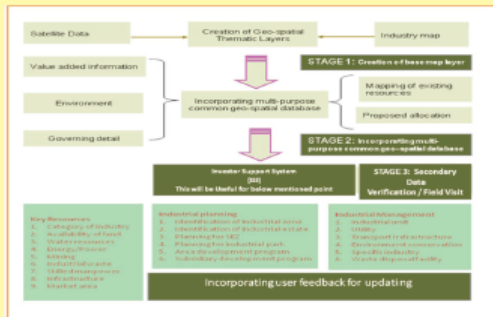
Land Banks

- GIS Based Land Bank Information**
- 1. Land Parcel
- 2. Investor Support System(ISS) for Indetification of Suitable Land**
- 3. Map showing Infrastrutture and Connectivity Details
- 4. GIDC Estate
- Development Plan & Town Planning Scheme



While carrying out this exercise, non discretionary parameters are taken into account for deciding no go areas like forest land, agriculture (double crop area), rivers, canal, water bodies including check-dams, command areas, urban structures, habitats (urban & rural), environment sensitive zone as per Central Pollution Control Board (CPCB) guideline, infrastructure projects and areas required for future development. After getting suitable sites by applying this criterion, the physical infrastructure like power, gas, NH, rail, water, port, GIDC, existing industries, SEZ etc. CETP, solid waste disposal sites have been superimposed and areas eligible under guidelines of CPCB have also been taken into account.

Scientifically, the exercise has been carried out and translated into industry geographical information system i.e. an integrated GIS based Information System to identify sites for industries, industrial planning and management to monitor industrial growth in Gujarat. The system is divided into three stages, data collection, creation of multipurpose geo data set and customization. The exercise has also covered mapping of resources duly linked with value added information. Software has been developed for different hierarchy and can be used for generating maps, retrieving information, raising queries, generating reports, displaying the analysed information in form of charts, graphs and maps. The information at all the three stages could be summarized in the following table.



1. According to Central Pollution Control Board, New Delhi, Environment Protection Guidelines, No Go Areas are environmentally sensitive zones, which are subject to Stopping New Development.

Step 1 – Creation of base map layer

Spatial as well as non-spatial data were used for creation of the base layers and it has been verified by ground survey. The data was further separated into four layers; layer one carrying the information concerning administrative boundaries and transport lines and layer two, encompassing the information regarding areas to be avoided covering CPCB guidelines and critical areas for development including:

- Forest land
- Agricultural (Double crop)
- Command area
- Canals
- Urban Structure
- Habitats
- Water body
- River
- Environment Sensitive Zone as per CPCB

Layer three – Contains information regarding Air and Water polluting areas as per CPCB guideline. This layer is having zones, based on sensitivity of land for industrial use. CPCB guidelines have been defined as “the systematic assessment of Air and water parameters as well as potential of eco sensitive zones, alternative patterns of land use (SDA Technology) and other physical, social and economic conditions, for the purpose of selecting and adopting land Zonation options which are most beneficial to land users without degrading the resources or the environment”.

Table 1 – Industrial Suitability based on Air and Water Pollution

Z1Wh	(Industrial potential Low)	Z2Wh	Z3Wh	Z4Wh
Z1Wm		Z2Wm	Z3Wm	Z4Wm
Z1Wl		Z2Wl	Z3Wl/Z4Wl	(Industrial potential High)

(Z* for Air (Very/High, High, Medium, and Low)) (W* for Water (High, Medium and Low))

Layer four, information moves towards positive factors for industrial development regarding physical as well as social infrastructure including

- Power
- Gas
- Road (NH/SH) and Rail
- Water
- Port
- GIDC
- Existing industries, SEZ, etc.
- CETP, Solid waste disposal sites, etc.

Level 3

1 Km. along both sides of the National Highway
1 Km. along both sides of the State Highway

Third level approach covered land along National and State Highways up to one kilometer on both sides barring those sections passing through Urban and Rural habitats.

Name of District	Total Area	Areas to be Avoided	Net Developable Area In Ha.
Ahmedabad	219578	91933	127645
Amreli	193315	25852	167463
Anand	91580	82826	8754
Banaskantha	213388	104928	108460
Bhavnagar	711337	573156	138181
Bharuch	147124	72973	74151
Dahod	76565	33710	42855
Dang	43975	35183	8792
Gandhinagar	93879	67594	26285
Jamnagar	626769	192194	434575
Junagadh	209739	72968	136771
Kheda	116930	91037	25893
Kutchh	394906	53265	341641
Mehsana	120977	54626	66351
Narmada	52516	28112	24404
Navsari	84744	46316	38428
Panchmahal	147172	86239	60933
Patan	103437	34288	69149
Porbandar	50696	17172	33524
Rajkot	276764	64853	211911
Sabarkantha	199942	123122	76820
Surat	152880	72683	80197
Surendranagar	179334	22829	156505
Tapi	69951	19422	50529
Vadodara	208737	134617	74120
Valsad	72602	44244	28358
Total			2612695

1. Introduction

Investor Support System (ISS) is a desktop based interactive Decision support system (DSS) in the form of Geo-spatial information. ISS acts a gateway to access of geo spatial data containing facility to search, locate and publish the useful information for Industrial development. Besides accessing the available information, a user shall be able to make a query based on various need of investor. System maintains the process, store, distribute and improve the utilization of geo-spatial data for planners, decision makers.

2. Information Incorporated

2.1 Login page

Figure 1 shows the home page of ISS. List of available information can be accessed from the Login page. Details of available information are listed in annexure 1.



Figure : Homepage

For the data security purpose, facility of individual log in account has been created thereby only the authorized users can access the information.

Refer figure 8 for detail

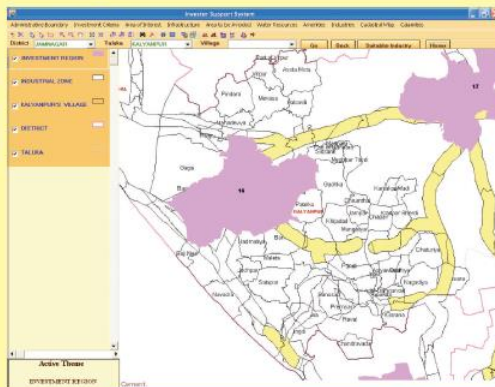


Figure 8 : Location where Cement industry can setup

In Figure 8 Yellow color shows the exact location where Cement industry could be setup.

Figure 8 shows that Cement industry can be set up along the certain part of the road.

If user wants to find-out which survey number is available for development in Bankodi village. Follow below mentioned steps.

- Use Zoom in \uparrow tool to enlarge Bankodi village as shown in figure 9.
- To find out area not suitable for the industrial development can be seen by overlying all layers from Area to be avoided shown as in menu bar in figure 10.

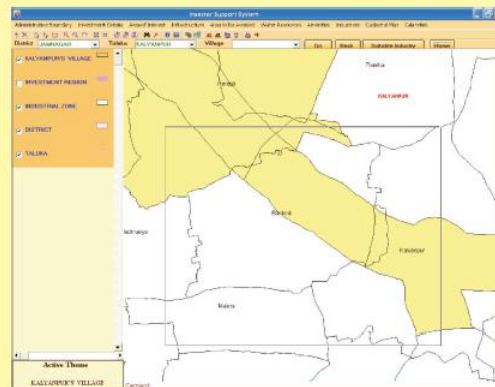


Figure 9: Narrow down a search at the area of interest

As shown in figure 8 permissible area for Cement industry is along the road. Following steps shows how cadastral layer can be overlying in map window.

- Click on cadastral map from menu bar
- Click along the road

Refer figure 10.