





# Site Suitability Module

## with GenRay EXPLORER™

### PERFORM CRITICAL SITING DECISIONS for Wind and Solar Projects in Pre-feasibility Stage

Save up to 80% of your costs in screening sites for your next wind and solar projects with Site Suitability Module as it brings the entire analysis available on your desktop.

### GET TO MARKET FASTER with GenRay EXPLORER's Site Suitability Module

-  Perform Environmental Impact Analysis
-  Conduct Preliminary Due Diligence of Renewable Energy Projects
-  Generate Least Cost and Minimal Impact of Electric Transmission Routes
-  Respond to RFPs and Tenders faster with more Reliable Cost Estimates.

### SCREEN MULTIPLE SITES ON TECHNICAL PARAMETERS USING OUR DESKTOP SURVEY TOOL AND SHORTLIST THE ONES WORTH DEVELOPING ON FACTORS SUCH AS

Land Use & Land Classification

Soil Bearing Capacity & Slope

Natural Disaster Risks  
e.g., Earthquakes, Floods

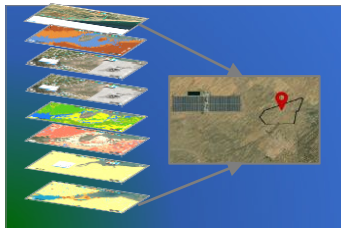
Distance to Transmission Network

Distance to Road Network

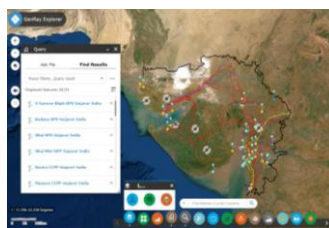
Exclusion Zones  
e.g., Forests and Sanctuaries, Military bases and Airports, Zones with height restrictions etc.

### A CLOUD-BASED GEO-SPATIAL TOOL

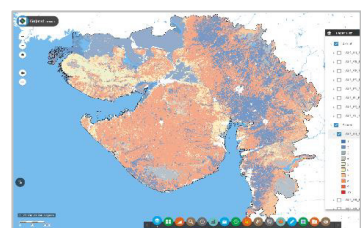
### TO EXPEDITE IDENTIFICATION OF RENEWABLE ENERGY SITES FROM THE COMFORT OF YOUR DESKTOP



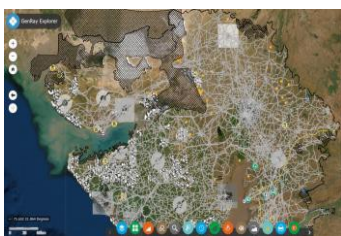
Identify sites using Multi-Criteria Evaluation (MCE) based approach in an easy-to-use GIS interface.



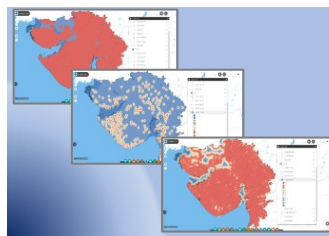
Use with GenRay EXPLORER™ to get a holistic overview of available infrastructure in your area of interest.



Get information on land cover, and the types of human activities involved in land use.



Use Exclusion Layer to filter out sensitive locations.



Screen sites on pre-defined criteria including soil bearing capacity, earthquakes severity and flood occurrence.



Identify sites using Analytical Hierarchy Process (AHP) by assigning weights of suitability to pre-defined criteria.

#### Search

- ✓ Screen and analyze the right site for your next project
- ✓ Save substantial effort on gathering reliable data and reduce dependencies on field surveys

#### Query

- ✓ Run queries on parameters such as Land Use, Surface Roughness etc.
- ✓ Get technical evaluation of a site on multiple parameters

#### Visualise

- ✓ Upload, overlay and visualise your own KML/Shape files
- ✓ Visualise nearby infrastructure and develop routing scenarios for grid connection

#### Reporting

- ✓ Generate and print high-quality suitability reports for any given site

#### System Requirement

- ✓ Edge, Firefox or Chrome
- ✓ Min 8GB RAM
- ✓ Good internet speed of 10 mbps

