

Objective of the Project...

- To improve emergency preparedness at the local level to minimize damage during chemical accidents through a GIS based integrated emergency management system.
- To simulate the effects of an accident to aid rapid and effective response for toxic gas releases, fires and explosions.
- To provide a tool for offsite emergency planning and response.

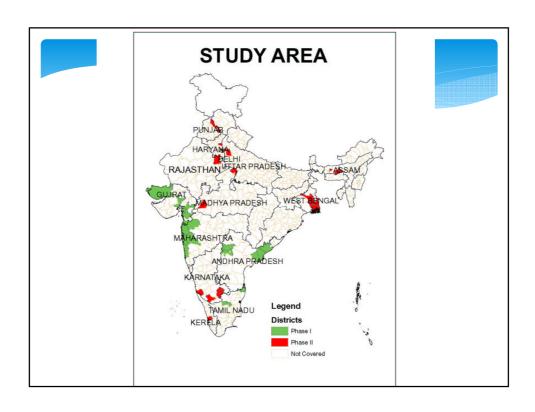
The project at a glance (Phase –I & II)

* No. of States

14

* No. of Districts

- 42
- Districts were identified based on the large number of MAH industries (clusters) to include in this project
- * No. of MAH units 530(approx.)
- * No. of footprints >2000



Methodology

Procurement of toposheets from SOI

- * Scanning of toposheets
- * Digitization, Mosaic and Geo-coding.
- * GPS survey
- * Data Collection on MAH units, First Responders, Vulnerable zones.
- * Development of chemical models
- * Integration of spatial, non spatial data, chemical models
- * Development of customized software

Different layers generated

- Administrative boundaries
- * Rail/Road network
- * Water bodies
- * Settlements
- * MAH Industries
- * First responders (Fire Services, Police, Hospitals etc.)
- * Accident Scenarios (templates)

New Features

- Web based GIS Technology
- * Online updation facility
- * High Resolution Mapping



