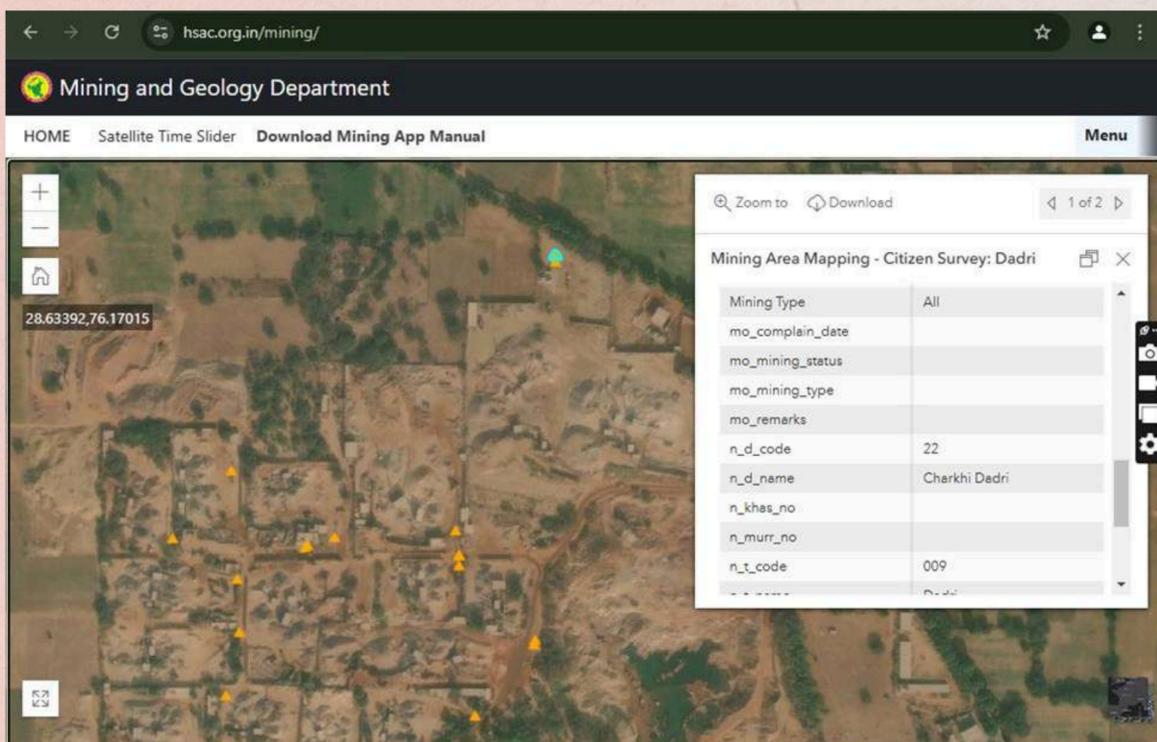


Geospatial Mapping & Monitoring of Mining Areas in Haryana

Geospatial Mapping and Monitoring of mining areas involves the integration of satellite remote sensing data, GIS, and spatial analysis techniques to assess the spatial distribution and temporal changes of mining activities. In Haryana, where mining is concentrated in specific geological zones, geospatial technologies offer a reliable and cost-effective approach for monitoring mining expansion, detecting illegal mining, and evaluating its impact on land resources and the environment.

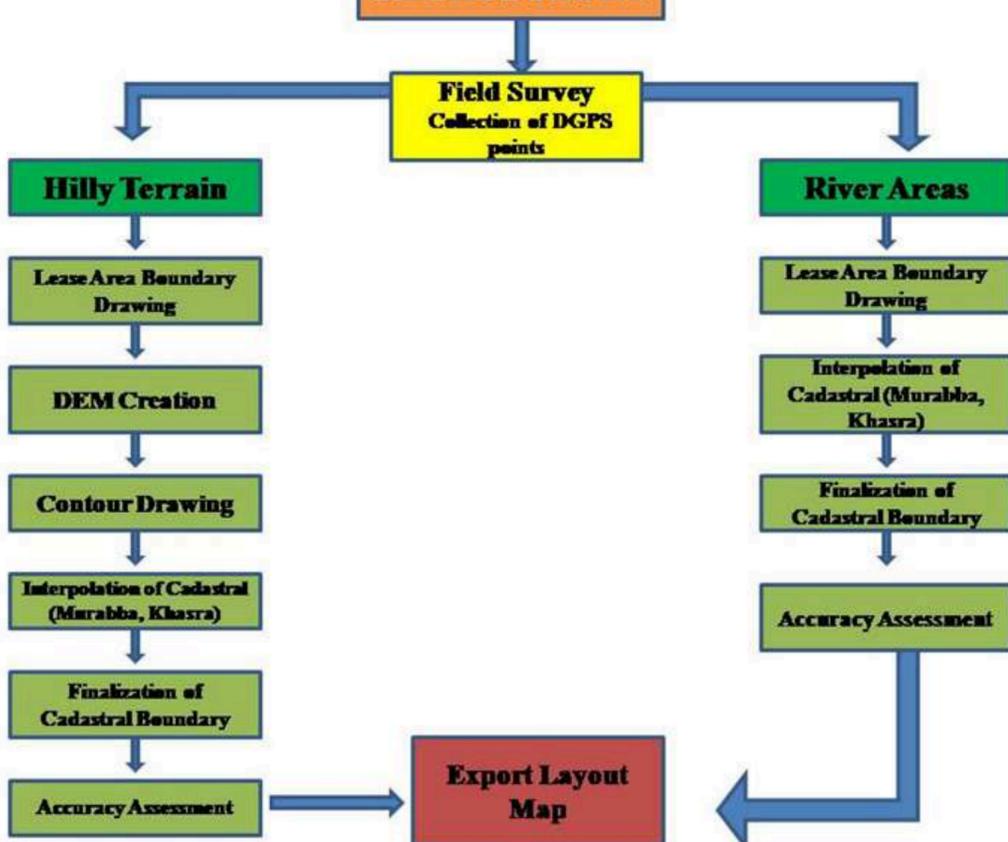


Mining Dashboard

Key Achievements

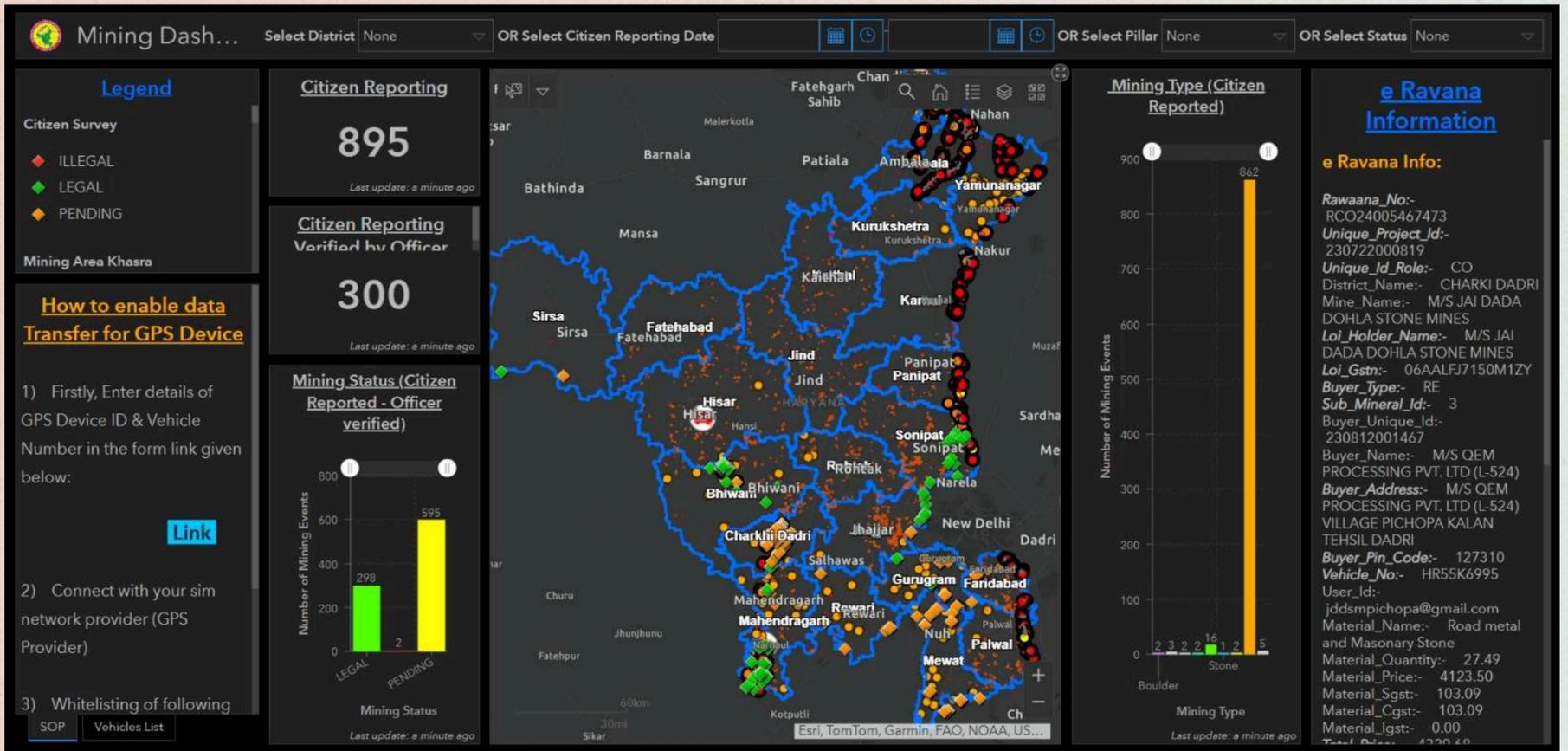
- Satellite-based monitoring helped in controlling and detecting illegal mining activities.
- DGPS and GIS technologies enabled accurate mapping of mining lease boundaries, minimizing disputes.
- Web-GIS dashboard and mobile app ensured transparency and faster decision-making.
- Citizen Mining Complaint App empowered the public to report unauthorized mining with geotagged photos.

METHODOLOGY

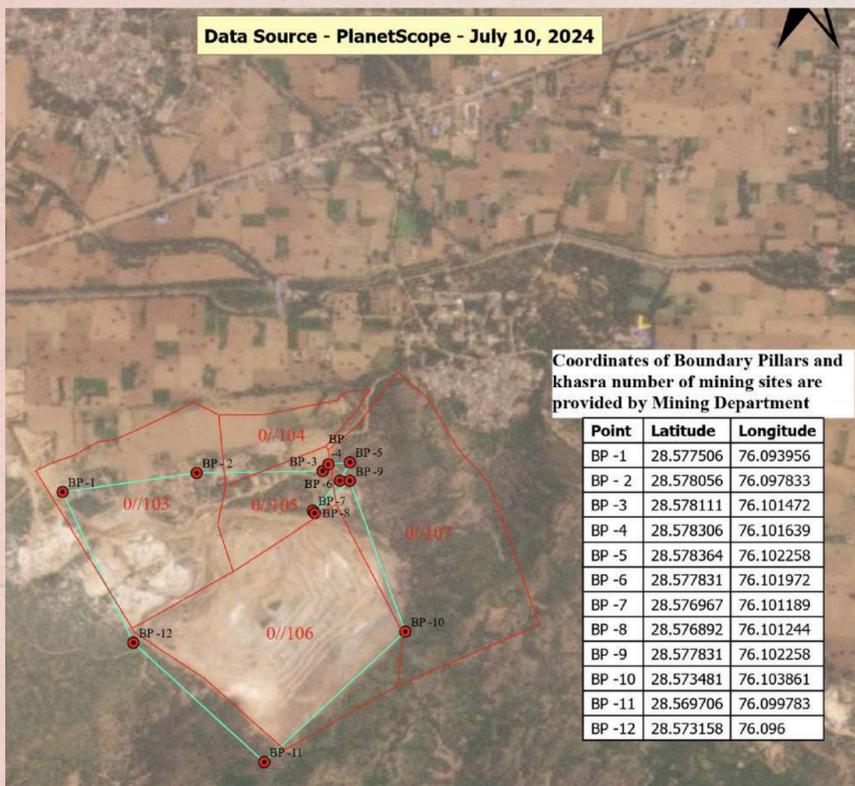


Mining App Working Module





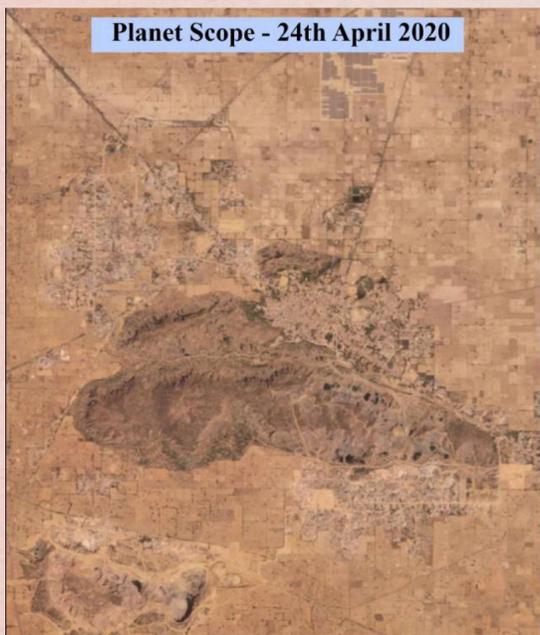
Mapping of Mining Areas at Village & Khasra Level



Mining App Working Module



Temporal Change Detection of Mining Sites—Arawali Hills



DGPS Survey

