

**MINING STATE COMMAND CENTER
DIRECTORATE OF GEOLOGY AND MINING
DEHRADUN**





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Mining Subsurface-Enterprise System (MSSES)

3.10 Vehicle Tracking System (VTS)

Real-time tracking and management of vehicles involved in mining activities. It utilizes GPS and other tracking technologies to monitor vehicle locations, movements, and status.

• Real Time Tracking and Geo-fencing	• Data Integration
• Route Optimization	• Alerts and Notifications

Outcomes

- Real-time monitoring of mineral carrying vehicles from source to destination.
- Automated trip closing by the system after the vehicle reaches the destination.
- Identification of illegal routes being used by drivers to avoid check gates and provide alerts.
- Marking mineral transportation through mCheck app.
- Tracking of reported vehicle breakdown by transporters.

Benefits of MDTSS

- ❖ Unmanned check gates
- ❖ Curbs illegal mining
- ❖ Recovery of Royalty Losses and Increase in overall revenue of Directorate & Government
- ❖ Transparent and unbiased inspection
- ❖ Prevents bogus e-way bills
- ❖ 24 x 7 vigil on mineral transportation
- ❖ Checks overloading and other transportation offences without human intervention (Artificial Intelligence)
- ❖ Standardized framework for organizational processes
- ❖ Customized super rules & regulations set by Directorate of Mines and other applicable government Acts
- ❖ Provides a comprehensive Decision Support System (DSS) by means of a single dashboard
- ❖ Pictures, Videos, and other data collected acts as evidences in associated cases

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