

## Project Outcomes

- User Convenience
- Substantial growth in revenue generation to Govt.
- Real time Dashboards for effective monitoring at District & State Levels
- Socio Economic Impact
- Transparency in Operations to all Stakeholders
- Increased accountability of Government
- Scalability and Sustainability of e-Gov Solution
- Green e-Governance and Circular Economy

## WAY FORWARD

- Vehicle Tracking System
  - To track the movement of the tractor
  - Route monitoring & violation triggers in case of deviation
  - Real time monitoring through Dashboards by superiors
- AI/ML/ Data Science Use Cases targeted at
  - Enhancement of operational parameters to meet demand
  - Improvement in delivery rate and time
- Replication
  - Other sand producing States in the country
  - Delivery management system of other minerals in the States

## ACHIEVEMENTS



**11.1L**  
Bookings Received



**11.0L**  
Bookings Delivered



**17.09K**  
Registered Tractors



**34.8L**  
Total Trips



**34.5L**  
Trips Delivered



**1022Cr**  
Revenue Generated

\*All Figures as on 31st July, 2025



## AWARDS & RECOGNITIONS



CSI e-Gov Awards: Award of Appreciation in 18th  
CSI SIG eGovernance Awards 2020



सर्वोच्च न्यायालय  
सर्वोच्च न्यायालय  
सर्वोच्च न्यायालय

National e-Gov Awards: Silver Award under 'Category  
II – Universalizing Access including e-Services' of  
National Awards for e-Governance 2020-21

## GET IN TOUCH

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# Mana Isuka Vahanam (My Sand Vehicle)

# Our Vision for Mana Isuka Vahanam (My Sand Taxi)

To establish a state-wide Sand Procurement and Delivery Management System that enables transparency in operations, enhances efficiency in transactions, effectiveness in control, accountability at all levels, sustainability in the long run, conservation of environment and convenience to all stakeholders



## Objectives

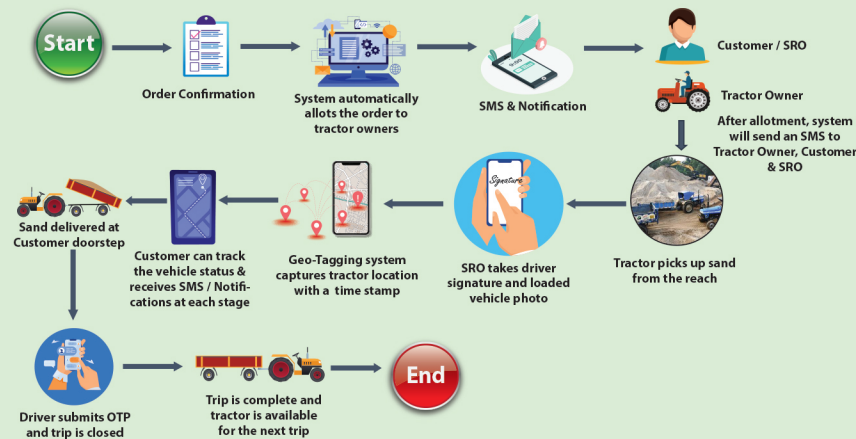
Mana Isuka Vahanam (MIV) aims to implement/enable:

- Seamless end to end Sand delivery management System
- Authorities to control unauthorized Sand excavation and transportation
- No manual interventions and physical touch points in the supply chain
- Fair employment opportunities to the Tractor owners and labourers
- Contactless, Paperless and Cashless design as per Digital India guidelines

## MIV Highlights

- Bilingual (Telugu & English), User friendly system with 'Ease to Use'
- Implemented in 90% of Sand Producing districts of Telangana
- In use by all stakeholders-
  - Dept. of Mines & Geology officials, Tractor Owner, Customer, Assistant Director Mines,
  - District Collectors, Police Personnel, Sand Reach Officers and Help Desk & Grievance Officers
- Embedded with automated trip allocation, e-payment, SMS gateways, chatbots, analytics dashboard, grievance resolution
- Leverage innovations such as GIS, AIML, DevOps implementation, real time Dashboards and Social Media

## Process Flow Sand Order Delivery to Customers



## MIV Mobile App



Landing Page

Booking Details

## Application Modules

### Tractor Registration



- Tractor owners are uniquely registered online with e-payments
- Mines Official approves the registration and authorizes tractors for sand allocation.
- Only authorized tractors can transport Sand in the districts.

### Customer Sand Booking



- Customer registers through mobile based OTP validation
- On registering, the customer books Sand online with e- payments
- Customers get estimated time of delivery of the Sand
- Customers can track the delivery till their doorstep.

### Sand order delivery to customers



- Automated Trip allocation i.e 'First In First Out'
- Driver gets a new allocation only after completion of the previous trip
- On receiving allotment, driver accepts the same and loads Sand from the sand reach
- Mines Official captures a sand loaded picture in mobile app with geo-coordinates
- The customer receives vehicle details and OTP
- Tractor driver delivers the sand at customer doorstep and submits OTP for trip closure

### Grievance Module



- Grievances are filed by Customers and Tractor Owners
- Grievances are addressed online in a time bound manner

<https://tgmiv.cgg.gov.in>