

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 of 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 of delivery rate and time
- > Replication
 - Other sand producing States in the country
 - Delivery management system of other minerals in the States

ACHIEVEMENTS



336577
Bookings Received



327482
Bookings Delivered



10891
Registered Tractors



1084412
Total Trips



1056085
Trips Delivered



289Cr
Revenue Generated

GET IN TOUCH

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Mana Isuka Vahanam
(My Sand Taxi)

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

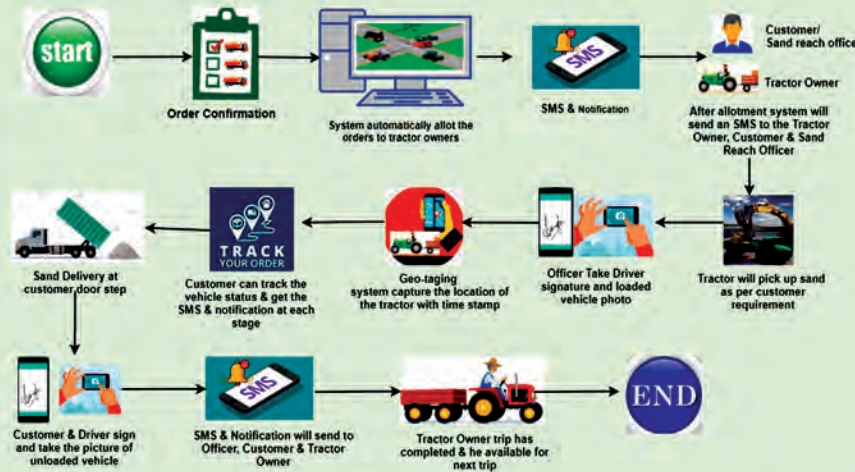
Mana Isuka Vahanam (MIV) aims to implement/enable:

- 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 for -Sand order delivery to customer



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 in the allocation only after he completes 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 the customer & tractor owners
- Grievances are addressed online in a time bound manner