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

5.3L Bookings Received

5.2L Bookings Delivered

12.5K Registered Tractors

16.7L Total Trips

16.5L Trips Delivered

447Cr Revenue Generated

*All figures till Dec. 31st 2021

AWARDS & RECOGNITIONS

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

DEPARTMENT OF ADMINISTRATIVE REFORMS AND PUBLIC GRIEVANCES — 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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CENTRE FOR GOOD GOVERNANCE
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Mana Isuka Vahanam (My Sand Vehicle)

...we carry your trust

GOVERNMENT OF TELANGANA

Our Vision for
Mana Isuka Vahanam (My Sand Vehicle)

> 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
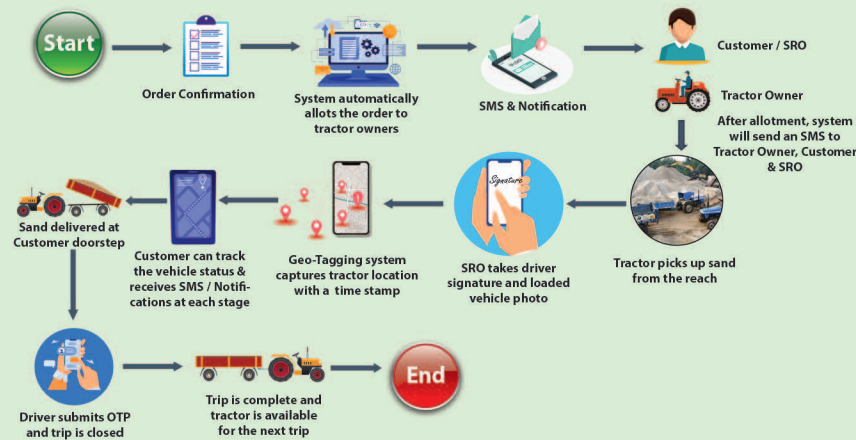
Objectives

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

Start → Order Confirmation → System automatically allots the order to tractor owners → SMS & Notification → Customer / SRO

Tractor Owner — After allotment, system will send an SMS to Tractor Owner, Customer & SRO → Tractor picks up sand from the reach → SRO takes driver signature and loaded vehicle photo → Geo-Tagging system captures tractor location with a time stamp → Customer can track the vehicle status & receives SMS / Notifications at each stage → Sand delivered at Customer doorstep

Driver submits OTP and trip is closed → Trip is complete and tractor is available for the next trip → **End**

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://tsmiv.cgg.gov.in