

# User Manual Vehicle Registration

**Vehicle Registration (Directorate Of Geology & Mining, GoUP)**

Prepared By



Directorate Of Geology & Mining, (GoUP)

Prepared By



MARGSOFT Technologies (P) Ltd

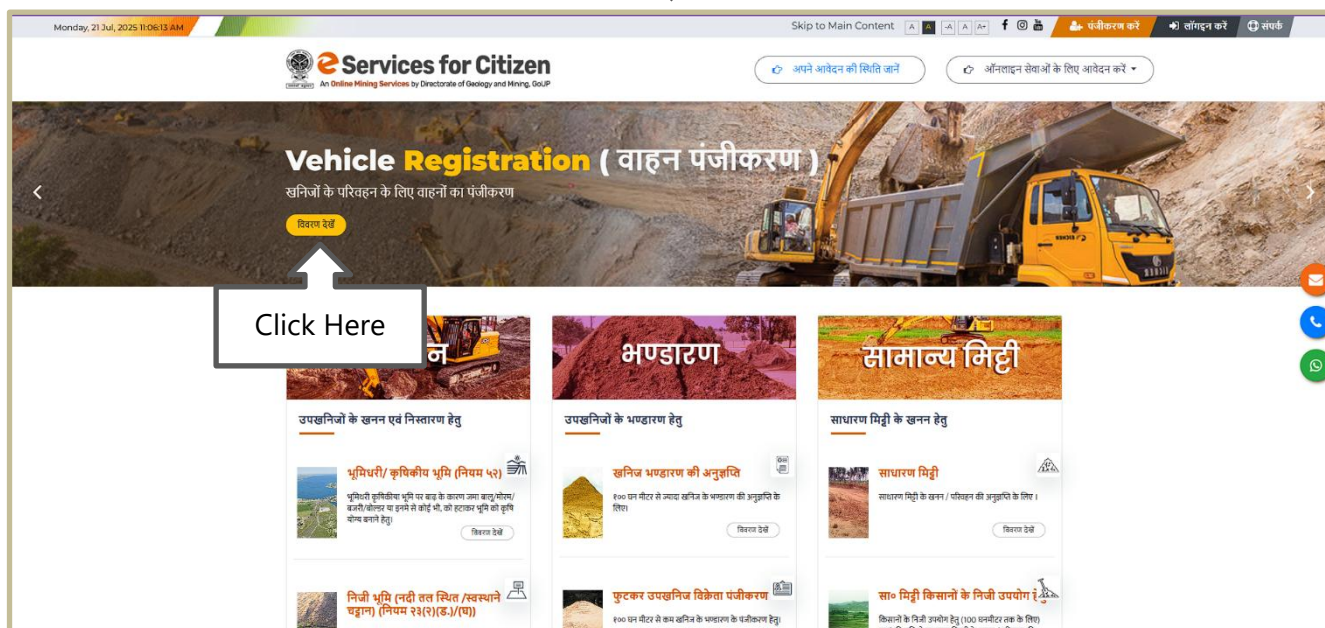
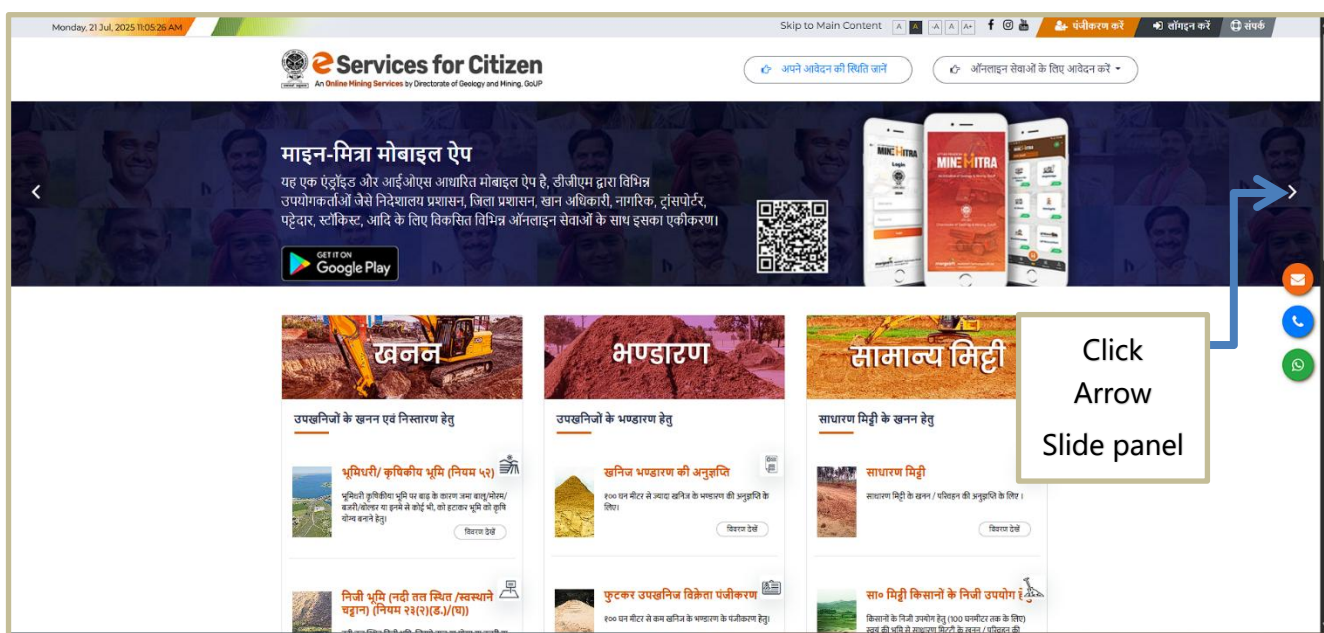
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## 2.0 Steps to Access the Vehicle Registration Portal & Navigation Process to Open the Portal

### 2.1.1 Steps to Access the Vehicle Registration Section on the UP Mine Mitra Portal:

- Go to the official website: <https://upminemitra.in/>
- On the homepage, locate the **welcome banner carousel** (sliding banner at the top).
- Slide through the carousel using the arrows or wait for it to auto-slide.
- Look for the slide that displays **"Vehicle Registration"**.
- Once the **Vehicle Registration** option appears, **click on it** to proceed.



Then interface like.



The screenshot shows the 'Services for Citizen' portal. At the top, there's a header with the date 'Monday, 21 Jul, 2025 12:03:23 AM', a 'Skip to Main Content' link, and social media icons. Below the header, the 'Services for Citizen' logo is displayed, along with a search bar and a dropdown menu for 'ऑनलाइन सेवाओं के लिए आवेदन करें'. The main banner features a collage of images related to mining and vehicle registration. Below the banner, the 'Vehicle Registration (वाहन पंजीकरण)' section is highlighted. A sidebar on the right contains three buttons: 'शासनादेश देखें', 'उपयोगकर्ता पुस्तिका', and 'वाहन पंजीकृत करें'. A green box with an arrow points to the 'वाहन पंजीकृत करें' button, with the text 'Click Here' next to it. The main content area is divided into two columns: 'Introduction' and 'परिचय'. The 'Introduction' column contains text about mandatory vehicle registration for mineral transport. The 'परिचय' column contains text in Hindi explaining the registration process and the role of the District Mines Office.

Then, redirect to the Vehicle Registration Portal,

## 3.0 Introduction

The Vehicle Registration Portal, launched by the Directorate of Geology & Mining, Government of Uttar Pradesh, is a dedicated digital platform designed to bring transparency, efficiency, and accountability in the transportation of minerals across the state.

Through features like vehicle verification, secure eTP (electronic Transit Pass) generation, Minetag integration, and real-time vehicle location tracking, this portal aims to streamline the registration and monitoring process while ensuring compliance with regulatory norms.

This initiative reflects the department's commitment to leveraging technology for better governance. It helps curb unauthorized transportation, strengthens enforcement capabilities, and builds a safer and more organized logistics framework for mining-related transport.

## 3.1 Step-by-Step Process to Access and Use the Vehicle Registration Portal

### 3.1.1 Step 1: Open a Web Browser

Open any web browser on your device, such as:

- **Google Chrome**
- **Microsoft Edge**
- **Mozilla Firefox**
- **Safari**
- **Bing (via Microsoft Edge)**

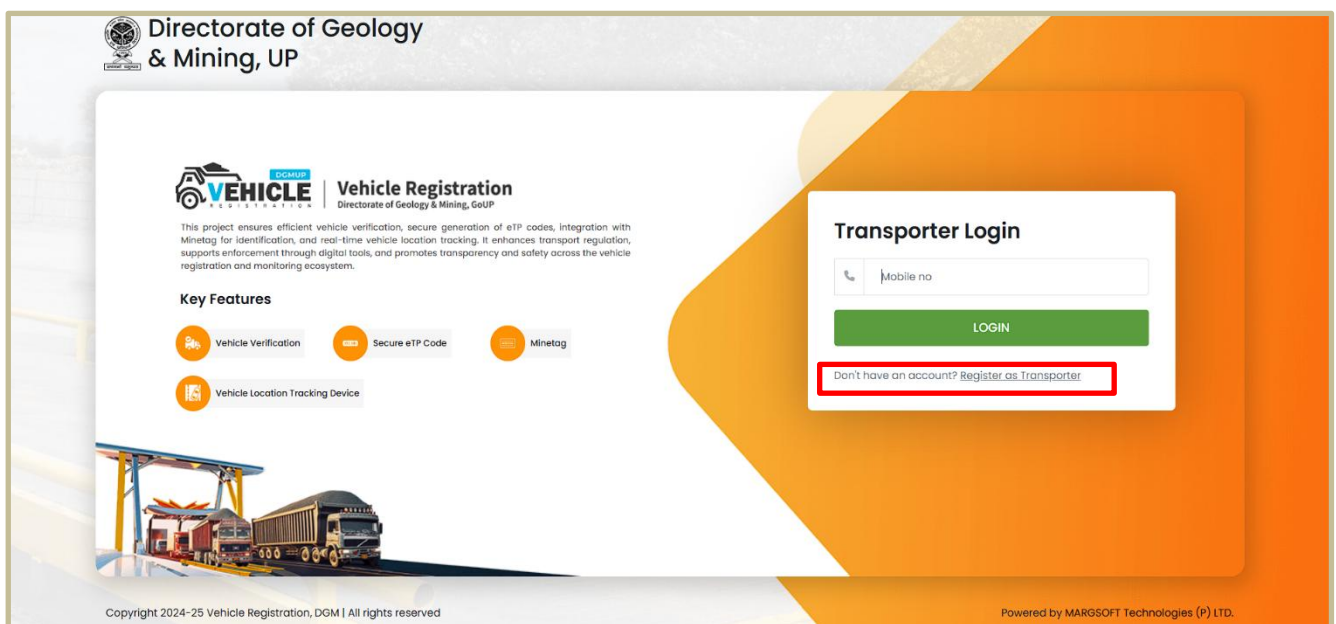
### 3.1.2 Step 2: Visit the Official Portal

In the address/search bar at the top of the browser, type the following URL:

<https://registration.vtsdgm.up.in/>

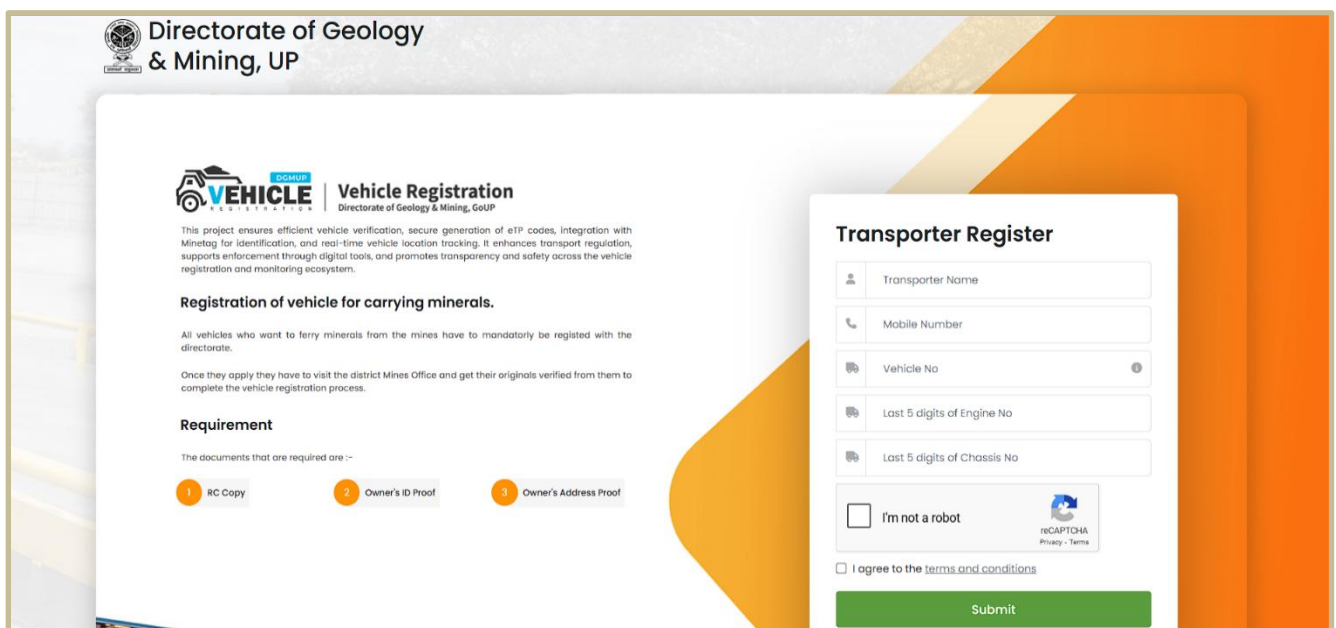
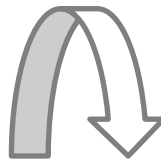
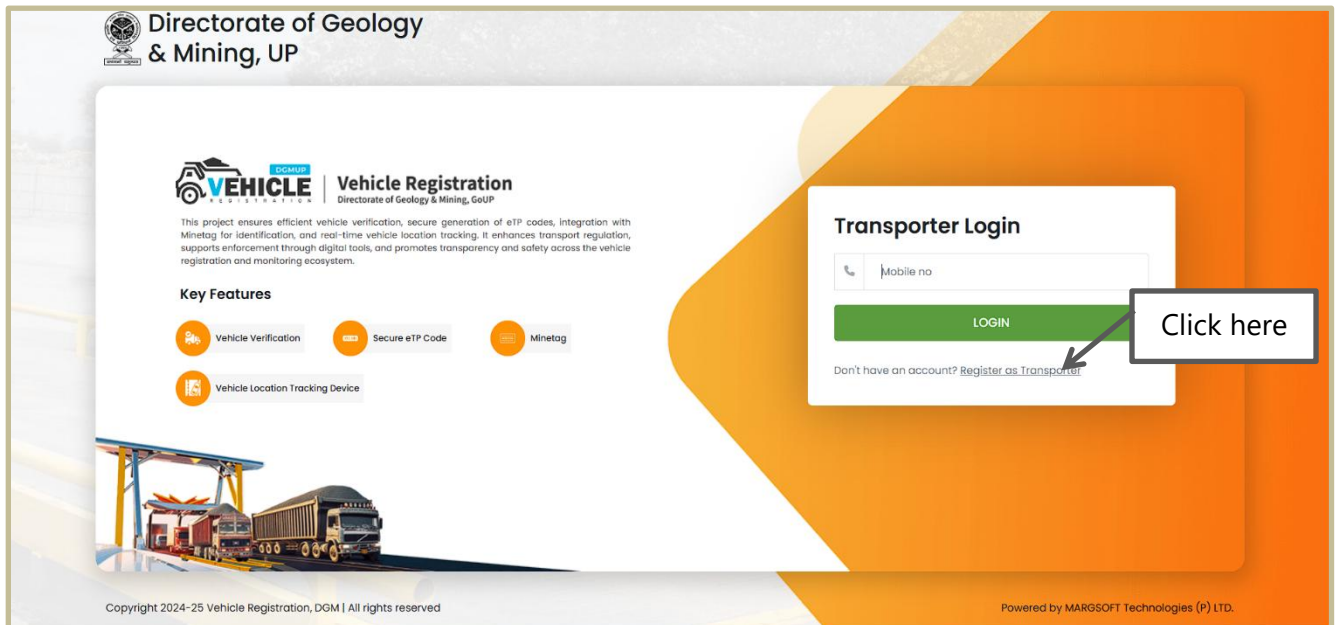
Then press **Enter**.

You will now be directed to the official **Vehicle Registration Portal** of Directorate of Geology & Mining, Government of Uttar Pradesh.





Firstly, click Register as Transporter



Enter all details:

### 3.1.2.1 Required Documents

S#	Document Name
1	RC Copy
2	Owner's ID Proof
3	Owner's Address Proof

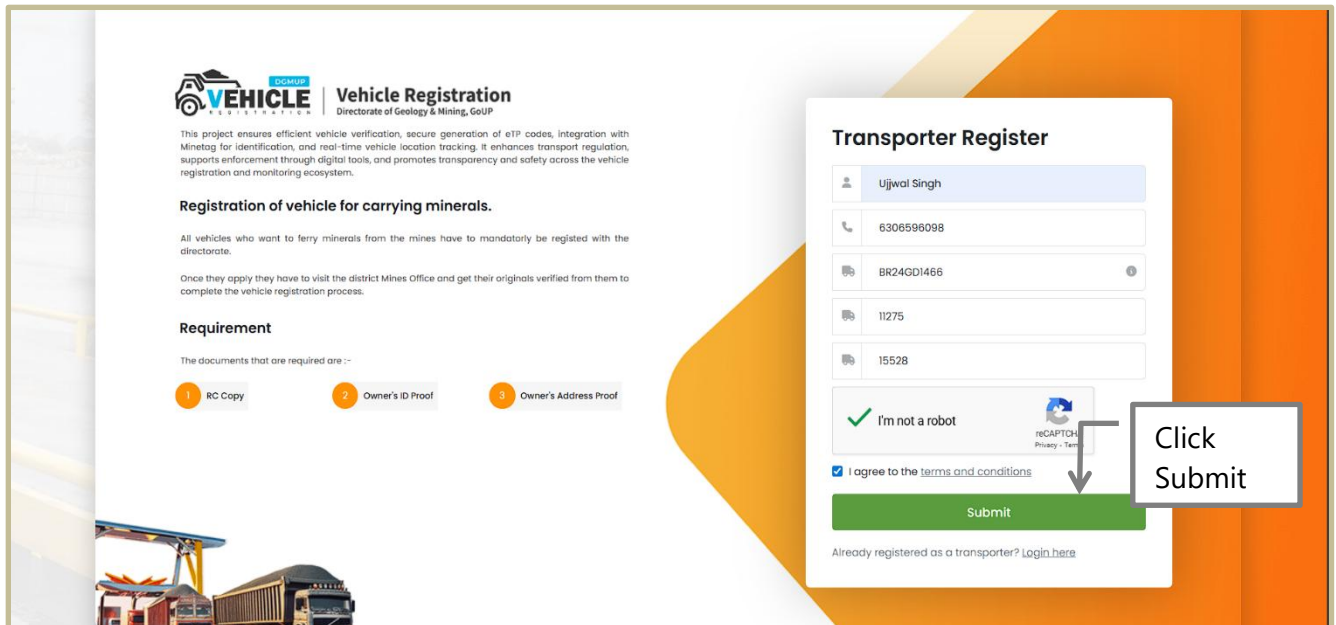
### 3.1.2.2 Registration Form Fields

S#	Field	Description
1	Transporter Name	Full name of the transporter or business owner
2	Mobile Number	Valid mobile number for OTP & login
3	Vehicle No	Full registration number of the vehicle (e.g., UP32AB1234)
4	Last 5 Digits of Engine No	For vehicle engine identification
5	Last 5 Digits of Chassis No	For vehicle chassis validation
6	CAPTCHA	Checkbox to verify "I'm not a robot"
7	Terms & Conditions Checkbox	Must be ticked to proceed
8	Submit Button	To submit the filled form

### 3.1.2.3 Step-by-Step Process Summary

S#	Action
1	Open browser and visit <a href="https://registration.vtsdgm.up.in">https://registration.vtsdgm.up.in</a>
2	Click on "Register as Transporter" link on homepage
3	Fill all required fields in the registration form
4	Complete CAPTCHA verification and accept terms & conditions
5	Click on <b>Submit</b>
6	Visit the <b>District Mines Office</b> with original documents for physical verification
7	Once verified, login access is granted

Fill details like,



**Vehicle Registration**  
Directorate of Geology & Mining, GoUP

This project ensures efficient vehicle verification, secure generation of eTP codes, integration with Minetags for identification, and real-time vehicle location tracking. It enhances transport regulation, supports enforcement through digital tools, and promotes transparency and safety across the vehicle registration and monitoring ecosystem.

**Registration of vehicle for carrying minerals.**

All vehicles who want to ferry minerals from the mines have to mandatorily be registered with the directorate.

Once they apply they have to visit the district Mines Office and get their originals verified from them to complete the vehicle registration process.

**Requirement**

The documents that are required are :-

- 1 RC Copy
- 2 Owner's ID Proof
- 3 Owner's Address Proof

**Transporter Register**

Name: Ujjwal Singh

Phone: 6306596098

Vehicle Number: BR24GD1466

PIN: 11275

☒ I'm not a robot

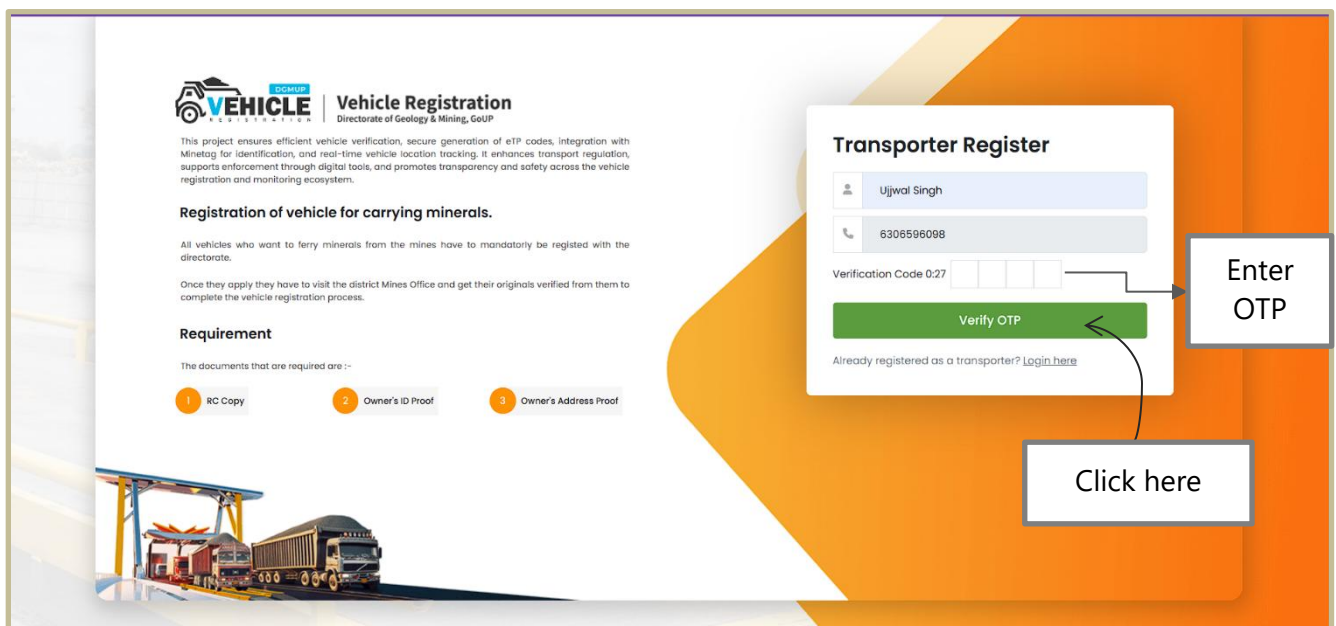
☒ I agree to the [terms and conditions](#)

**Submit**

Already registered as a transporter? [Login here](#)

Click Submit

After that Enter Valid OTP



**Vehicle Registration**  
Directorate of Geology & Mining, GoUP

This project ensures efficient vehicle verification, secure generation of eTP codes, integration with Minetags for identification, and real-time vehicle location tracking. It enhances transport regulation, supports enforcement through digital tools, and promotes transparency and safety across the vehicle registration and monitoring ecosystem.

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**Requirement**

The documents that are required are :-

- 1 RC Copy
- 2 Owner's ID Proof
- 3 Owner's Address Proof

**Transporter Register**

Name: Ujjwal Singh

Phone: 6306596098

Verification Code 0:27

**Verify OTP**

Already registered as a transporter? [Login here](#)

Enter OTP

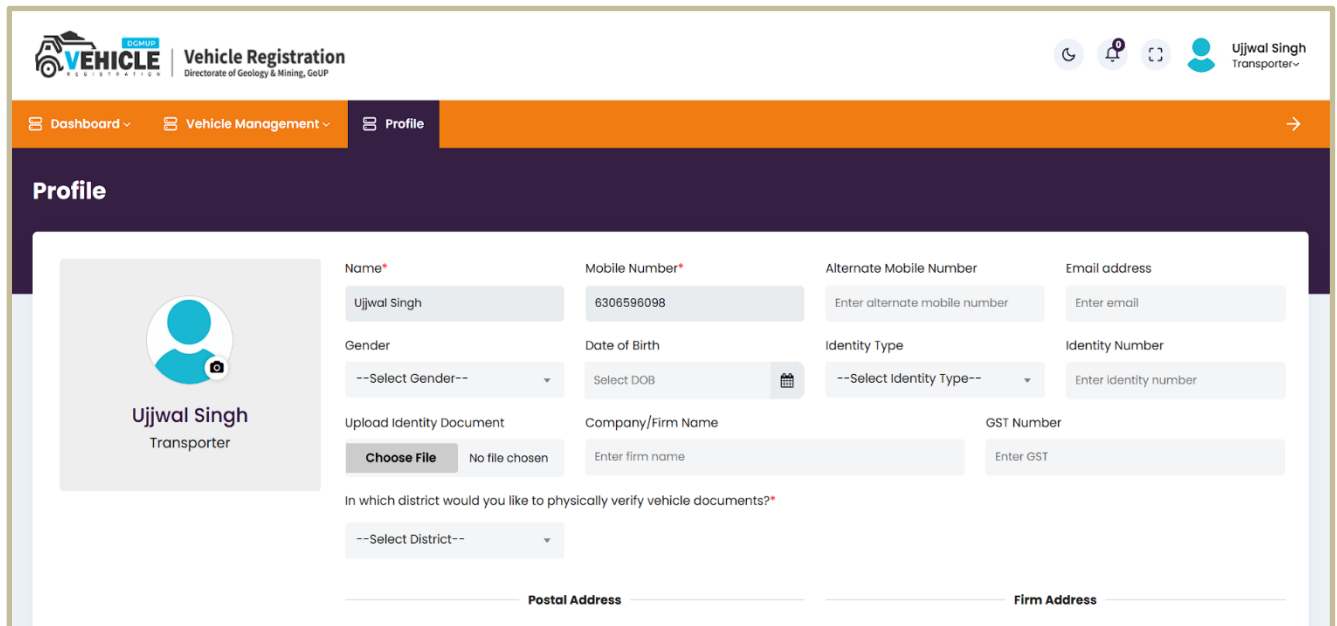
Click here

After Successful registration update profile first



## 4.0 Update Profile

After Successful registration redirect to profile page.



**Profile**

Ujjwal Singh  
Transporter

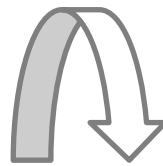
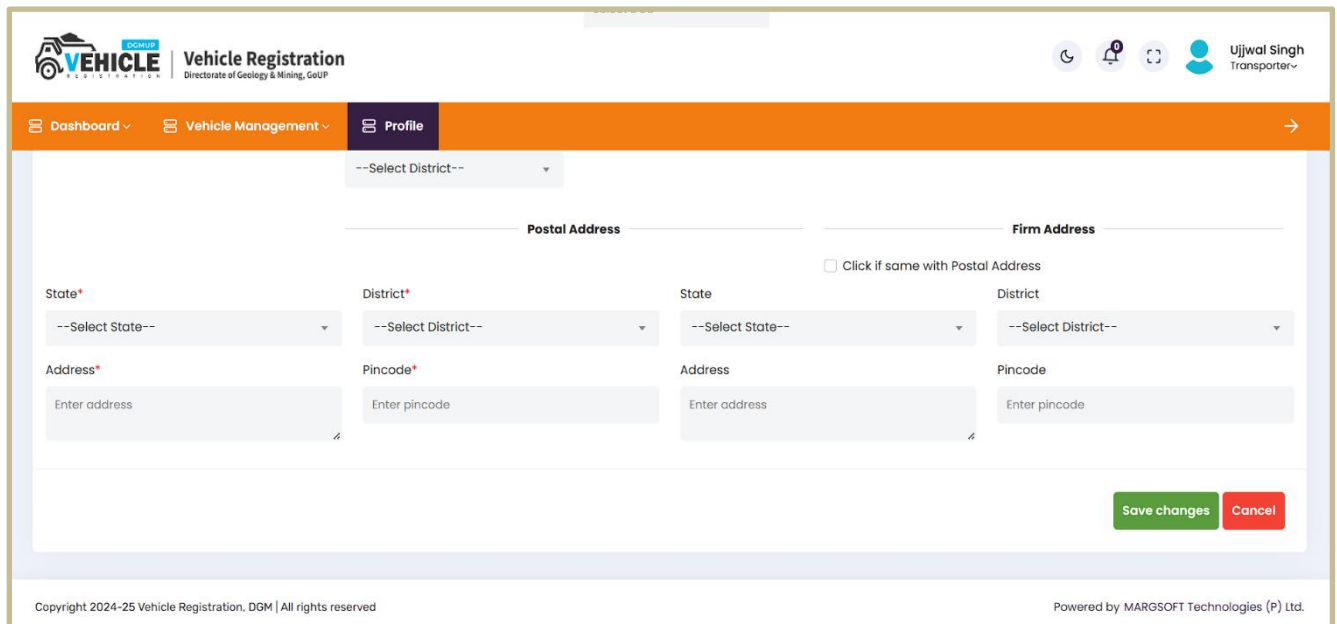
Name\* Ujjwal Singh Mobile Number\* 6306596098 Alternate Mobile Number Enter alternate mobile number Email address Enter email

Gender --Select Gender-- Date of Birth Select DOB Identity Type --Select Identity Type-- Identity Number Enter identity number

Upload Identity Document Choose File No file chosen Company/Firm Name Enter firm name GST Number Enter GST

In which district would you like to physically verify vehicle documents?\* --Select District--

Postal Address Firm Address

**Update Profile**

--Select District--

Postal Address Firm Address

State\* --Select State-- District\* --Select District-- State --Select State-- District --Select District--

Address\* Enter address Pincode\* Enter pincode Address Enter address Pincode Enter pincode

☐ Click if same with Postal Address

Save changes Cancel

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#### 4.1.1.1 Post-Registration Profile Completion

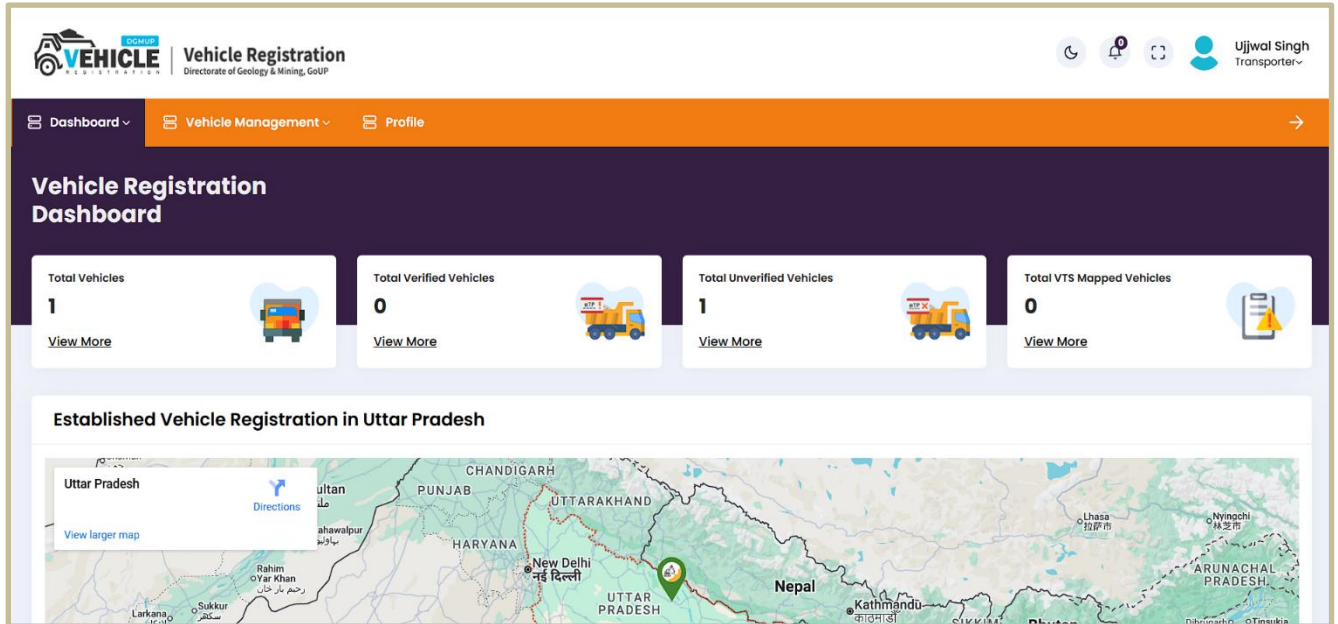
Step	Action	Purpose
1	After registration, you will be redirected to the <b>Transporter Profile Page</b> .	To complete your full identity and address information.
2	Fields like <b>Name</b> and <b>Mobile Number</b> are auto-filled.	These come from your initial registration form.
3	Fill out the remaining personal and identification details:	Required for account verification and documentation.
	➤ Alternate Mobile Number	For backup contact.
	➤ Email Address	For communication and notifications.
	➤ Gender, Date of Birth	For identity verification.
	➤ Identity Type and Number	Select and enter a valid identity (e.g., Aadhaar, PAN, Voter ID).
	➤ Upload Identity Document	Upload scanned copy (PDF/JPEG).
	➤ Company/Firm Name and GST Number (if applicable)	For business verification (optional but useful).
4	Select the <b>district</b> where you will physically verify your vehicle documents.	This is required for future visits to the District Mines Office.
5	Fill in your <b>Postal Address</b> completely: State, District, Address, and Pincode.	This is mandatory for location verification.
6	If your <b>Firm Address</b> is different, fill it separately. Or tick "Same as Postal Address."	Ensures proper business records.
7	After entering all details, click <b>"Save Changes"</b> .	This updates and completes your profile.
8	If you don't want to proceed, click <b>"Cancel"</b> .	Discards unsaved changes.

#### Important Notes

- All fields marked **required** must be filled before proceeding.
- Without completing the profile, **you cannot add vehicles**, generate **eTPs**, or use **tracking features**.
- Once you save your profile, your dashboard and vehicle services become accessible.
- **You cannot access any features on the portal without updating your profile. It is mandatory to fill in all profile details before proceeding further.**

## 5.0 Dashboard

After completed profile go to dashboard



**Vehicle Registration Dashboard**

Dashboard | Vehicle Management | Profile

**Total Vehicles**  
1  
[View More](#)

**Total Verified Vehicles**  
0  
[View More](#)

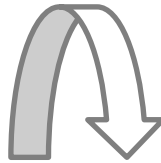
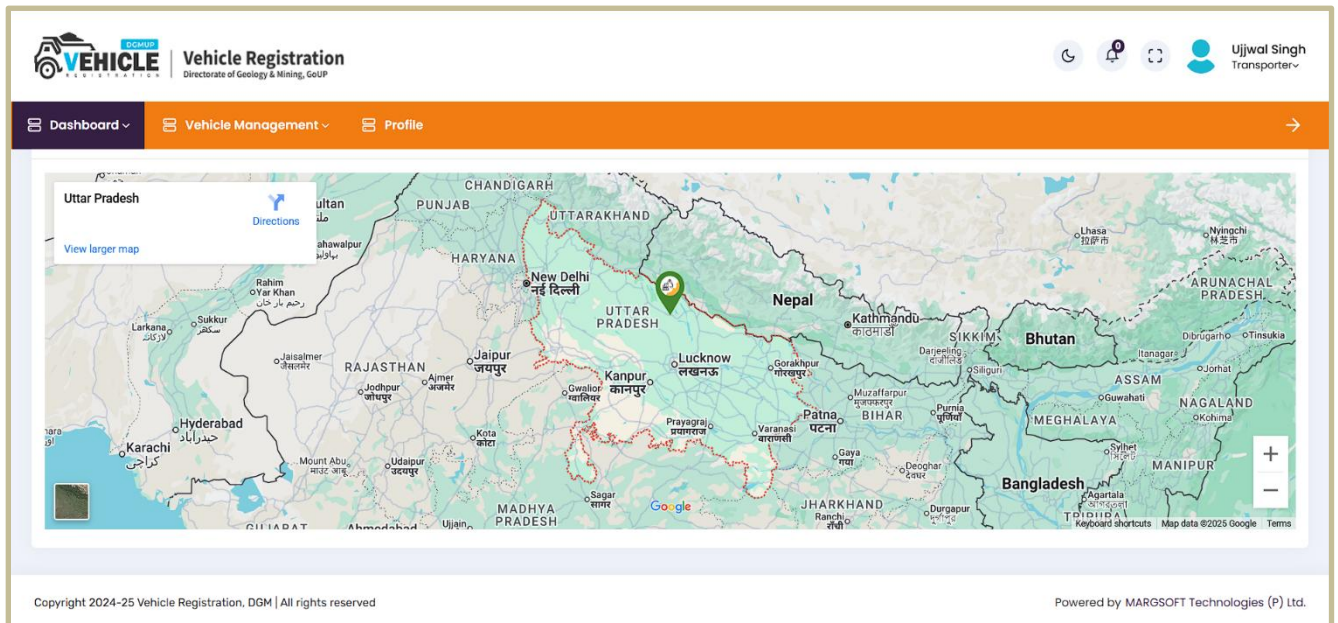
**Total Unverified Vehicles**  
1  
[View More](#)

**Total VTS Mapped Vehicles**  
0  
[View More](#)

**Established Vehicle Registration in Uttar Pradesh**

Uttar Pradesh  
[View larger map](#)

Scroll Screen

**Vehicle Registration Dashboard**

Dashboard | Vehicle Management | Profile

Uttar Pradesh  
[View larger map](#)

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## 5.1 Full-Screen Overview

### Header Section

Logo: "DGMUP Vehicle Registration" — indicates affiliation with Govt. of Uttar Pradesh.

### Navigation Icons:

Dark/Light Mode Toggle

Notifications (bell icon)

Fullscreen mode

**User Info:** "Ujjwal Singh – Transporter" (shows current login identity and role)

### Top Navigation Bar

#### Primary Menu:

Dashboard – default view showing current statistics.

Vehicle Management – dropdown expected to contain vehicle registration/management options.

Profile – for updating user's personal or firm details.

#### 5.1.1.1 Dashboard (Central View)

#### Vehicle Summary Widgets

These cards give quick visual stats:

S#	Metric	Value	Status
1	Total Vehicles	1	✓ Present
2	Total Verified Vehicles	0	✗ Not Yet Verified
3	Total Unverified Vehicles	1	⚠ Needs Attention
4	Total VTS Mapped Vehicles	0	✗ Not Mapped Yet

#### 5.1.2 Geographical Visualization (Bottom Map Panel)

#### Title: Established Vehicle Registration in Uttar Pradesh

**Map:** Interactive Google Map embedded, cantered over Uttar Pradesh.

- Shows pin marking "Uttar Pradesh"
- Allows zoom, movement, and external map directions
- Suggests system may be tracking or registering location-based vehicle details.

#### 5.1.3 Footer

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- Technology Partner: Powered by **MARGSOFT Technologies (P) Ltd.**

## 5.2 User Journey / Process Flow

Step-by-Step Observation for New Transporters:

### Login

User logs in with Transporter credentials (visible as "Ujjwal Singh – Transporter")

### Dashboard Landing

- Automatically redirected to the Vehicle Dashboard
- Immediate access to vehicle summary and registration stats

### Vehicle Overview

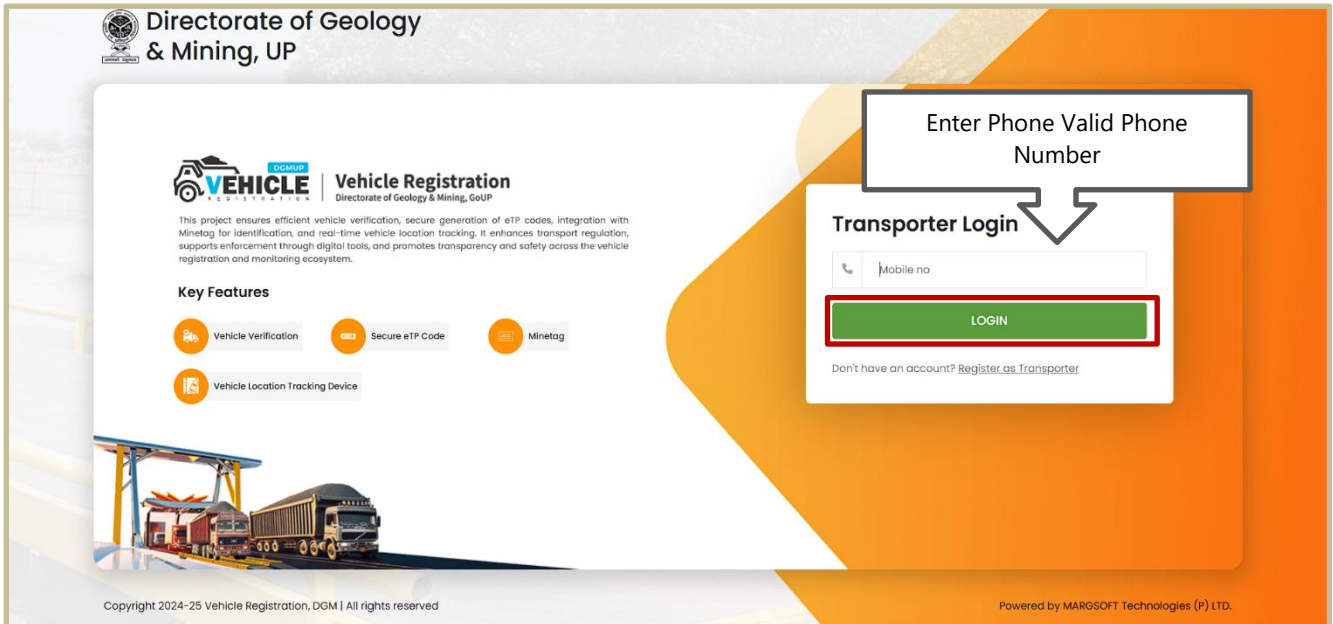
- Can click "**View More**" on any card to manage:
- Verification
- VTS Mapping
- Registration status

### Geographical Trace

- Confirm operational jurisdiction through **map visualization**
- Possibly use map data for e-permit validation or state-specific transport boundaries

**Please note:** After logging out of your profile, you will need to log in again to access your account

## 6.0 Login:

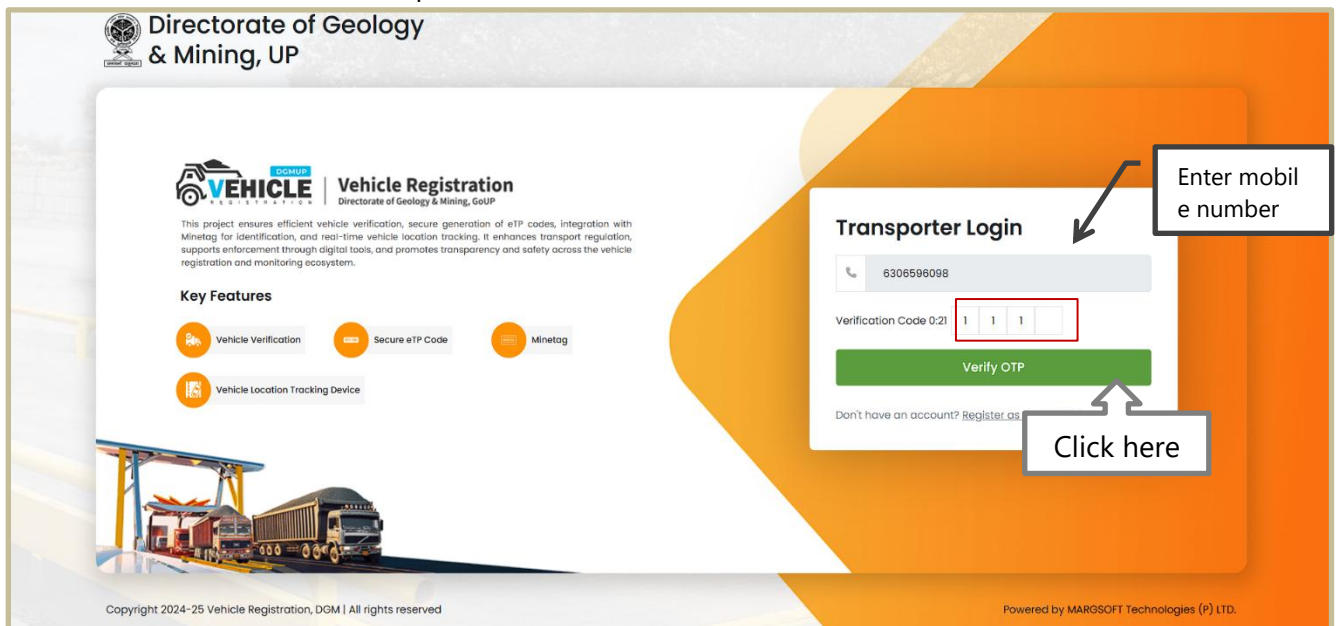


### 6.1.1 Portal Title & Authority

- Header Text: "Directorate of Geology & Mining, UP"
- Logo: उत्तर प्रदेश शासन का राजकीय प्रतीक (State Emblem)
- Portal Name: Vehicle Registration
- Subtext: Directorate of Geology & Mining, GoUP

#### 6.1.1.1 Summary of What the Image Contains:

Enter valid mobile number and proceed





## Step 1: Landing & Login (OTP Verification Screen)

**Page Title:** Transporter Login

Actions:

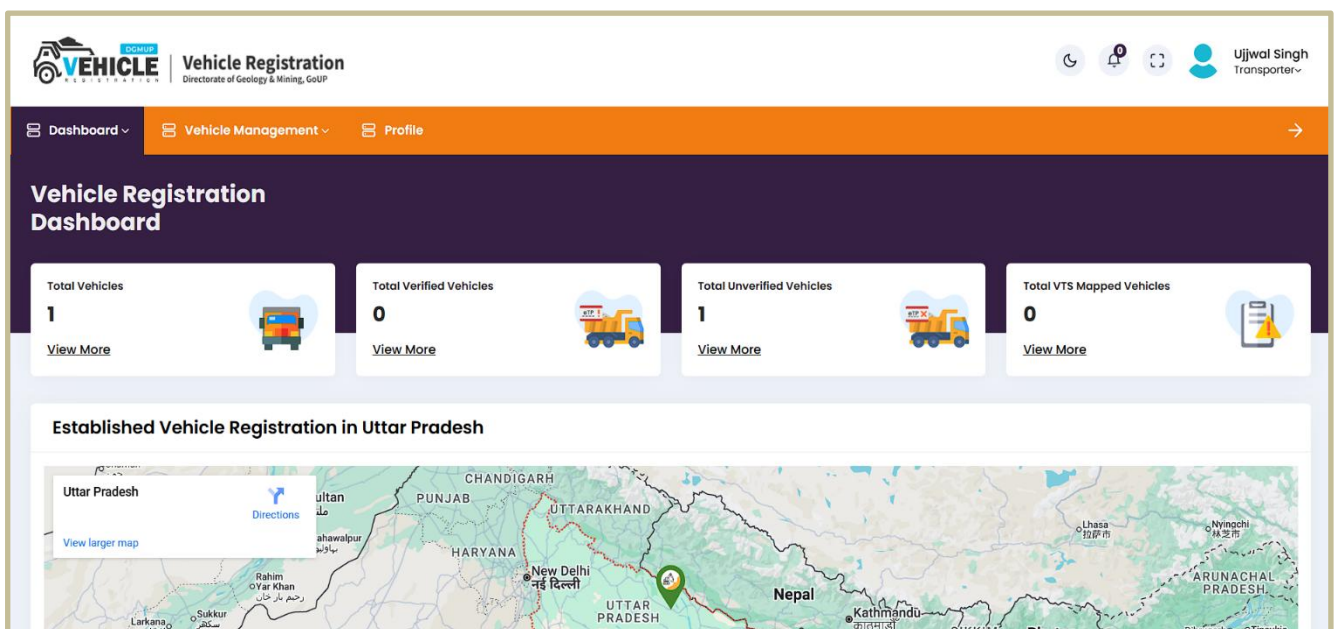
- User enters mobile number (shown: 6306596098)
- Receives a **4-digit OTP** on the registered mobile
- Enters OTP in the designated boxes
- Clicks on **"Verify OTP"** (Green Button)

Behind the scenes:

OTP verification triggers secure login into the dashboard.

System checks if user exists; otherwise, suggests registration.

**Optional:** Click **"Register as Transporter"** if not already signed up.

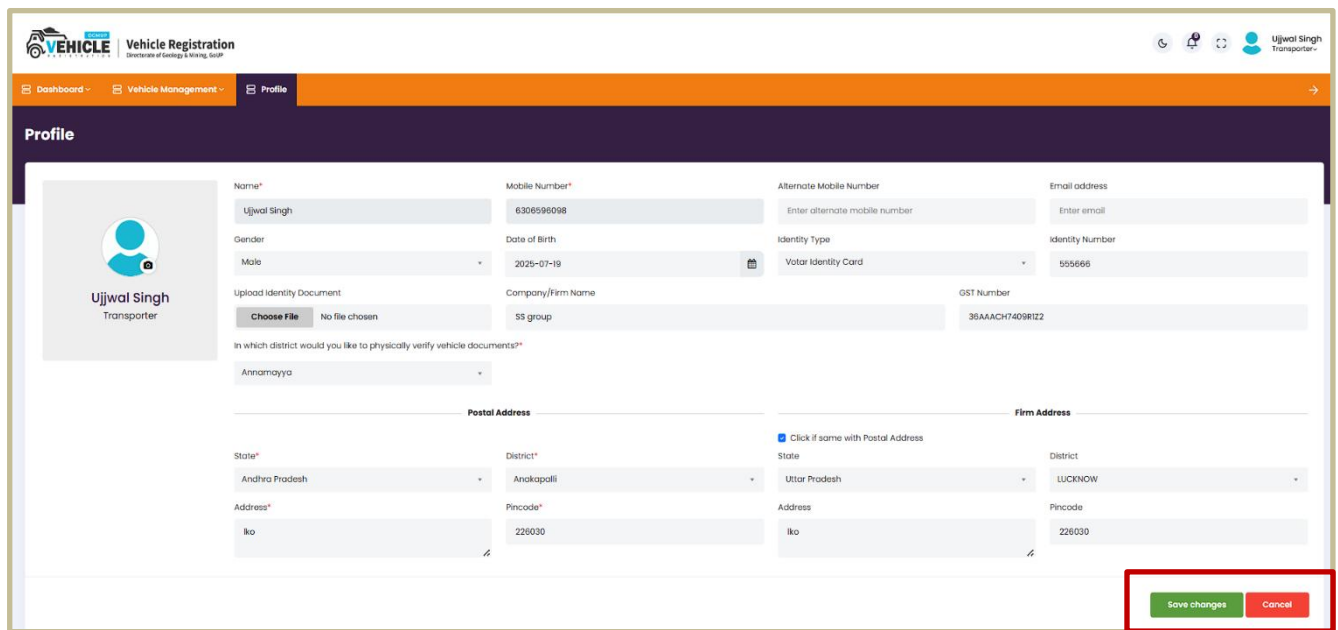


## Step 2: Dashboard Access (as seen in previous screenshots)

- After successful OTP verification:
- Redirected to Dashboard

Can see:

- Total Vehicles
- Verified/Unverified status
- VTS Mapping
- Interactive vehicle location map



**Profile**

Ujjwal Singh  
Transporter

Name\* Ujjwal Singh Mobile Number\* 6306596088 Alternate Mobile Number Enter alternate mobile number Email address Enter email

Gender Male Date of Birth 2025-07-19 Identity Type Votar Identity Card Identity Number 555666

Upload Identity Document Choose File No file chosen Company/Firm Name SS group GST Number 36AAACH7409R122

In which district would you like to physically verify vehicle documents?\* Annamayya

**Postal Address** **Firm Address**

State\* Andhra Pradesh District\* Anaparthi State\* Uttar Pradesh District\* Lucknow

Address\* Iko Pincode\* 226030 Address Iko Pincode 226030

☒ Click if same with Postal Address

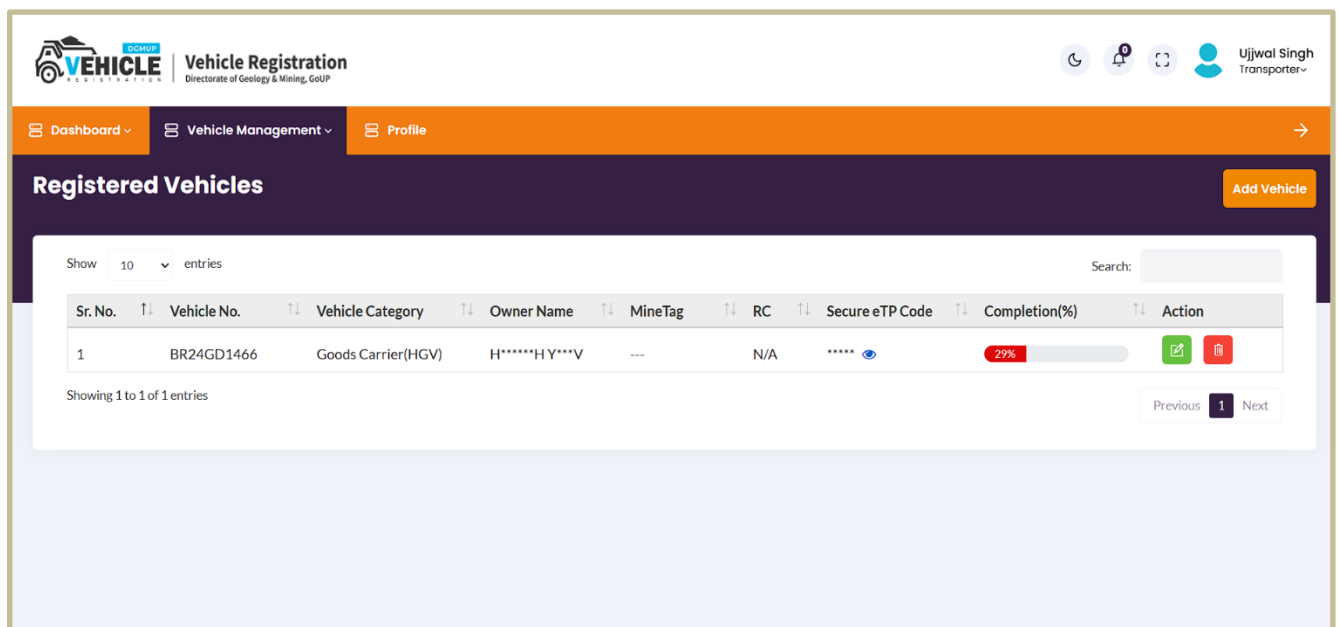
**Save changes** **Cancel**

### Step 3: Profile Setup (Mandatory Step)

Without updating **Profile**, access to features like vehicle management, eTP, VTS etc. is restricted.



Required Actions:

- Fill business details (Transporter name, company name, PAN/GST etc.)
- Save profile for portal functionality



**Registered Vehicles** **Add Vehicle**

Show 10 entries Search:

Sr. No.	Vehicle No.	Vehicle Category	Owner Name	MineTag	RC	Secure eTP Code	Completion(%)	Action
1	BR24GD1466	Goods Carrier(HGV)	H*****H Y***V	---	N/A	*****	29%	 

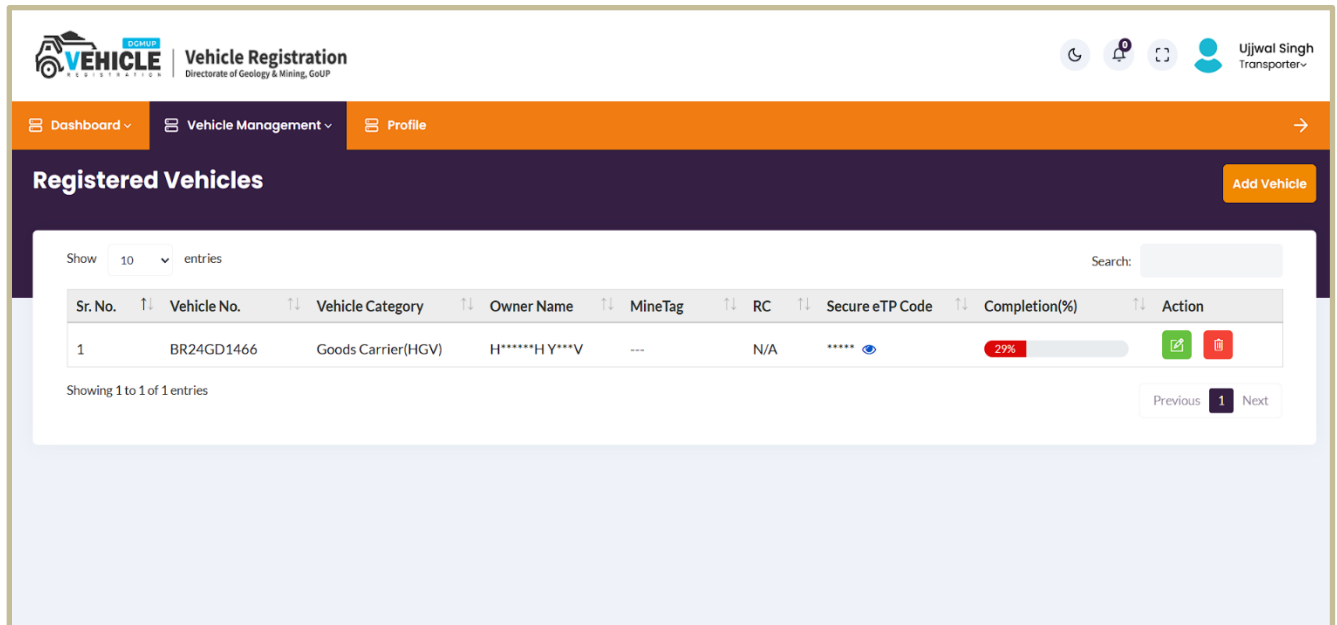
Showing 1 to 1 of 1 entries Previous 1 Next

### Step 4: Vehicle Registration & Tracking



After profile update:

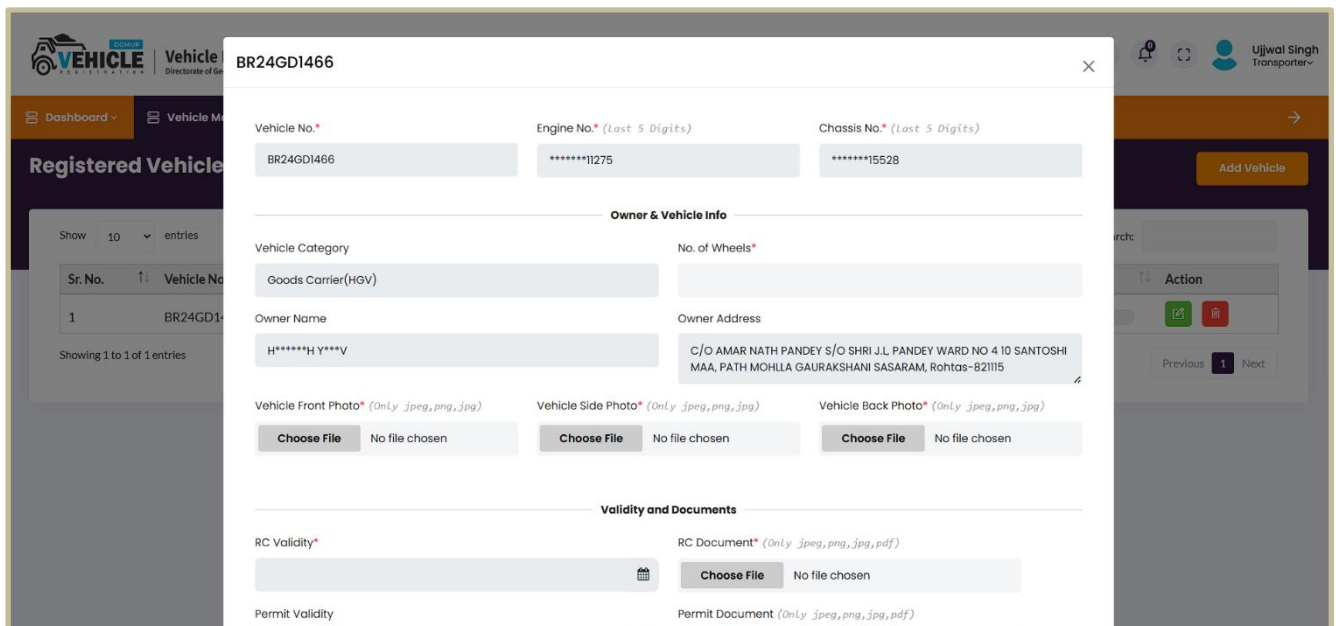
- Navigate to **Vehicle Management**
- Register vehicle details (RC, chassis number, engine number etc.)
- Submit for verification
- Attach **Minetag / VTS Device** for tracking

## 7.0 Vehicle Management



The screenshot shows the 'Registered Vehicles' section of the dashboard. It includes a table with columns: Sr. No., Vehicle No., Vehicle Category, Owner Name, MineTag, RC, Secure eTP Code, Completion(%), and Action. The table contains one entry for vehicle BR24GD1466, categorized as 'Goods Carrier(HGV)' with a completion of 29%.

Sr. No.	Vehicle No.	Vehicle Category	Owner Name	MineTag	RC	Secure eTP Code	Completion(%)	Action
1	BR24GD1466	Goods Carrier(HGV)	H*****H Y***V	---	N/A	*****	29%	 

The screenshot shows the 'BR24GD1466' vehicle details form. It includes fields for Vehicle No., Engine No., and Chassis No. Below these are sections for 'Owner & Vehicle Info' (Vehicle Category, No. of Wheels, Owner Name, Owner Address) and 'Validity and Documents' (RC Validity, RC Document, Permit Validity, Permit Document). There are also fields for Vehicle Front Photo, Vehicle Side Photo, and Vehicle Back Photo.

**Vehicle No.:** BR24GD1466

**Engine No. (Last 5 Digits):** \*\*\*\*\*1275

**Chassis No. (Last 5 Digits):** \*\*\*\*\*15528

**Owner & Vehicle Info**

**Vehicle Category:** Goods Carrier(HGV)

**No. of Wheels:**

**Owner Name:** H\*\*\*\*\*H Y\*\*\*V

**Owner Address:** C/O AMAR NATH PANDEY S/O SHRI J.L. PANDEY WARD NO 4 10 SANTOSHI MAA, PATH MOHLA GAURAKSHANI SASARAM, Rohtas-821115

**Vehicle Front Photo\* (Only jpeg, png, jpg):** Choose File No file chosen

**Vehicle Side Photo\* (Only jpeg, png, jpg):** Choose File No file chosen

**Vehicle Back Photo\* (Only jpeg, png, jpg):** Choose File No file chosen

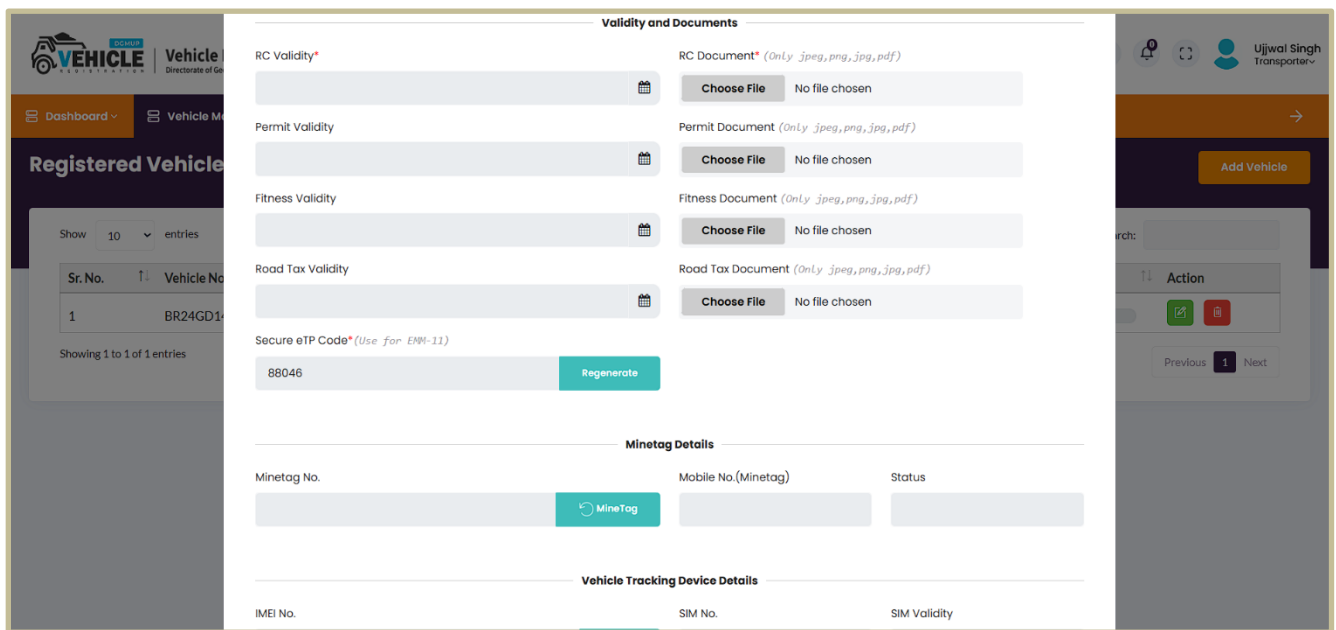
**Validity and Documents**

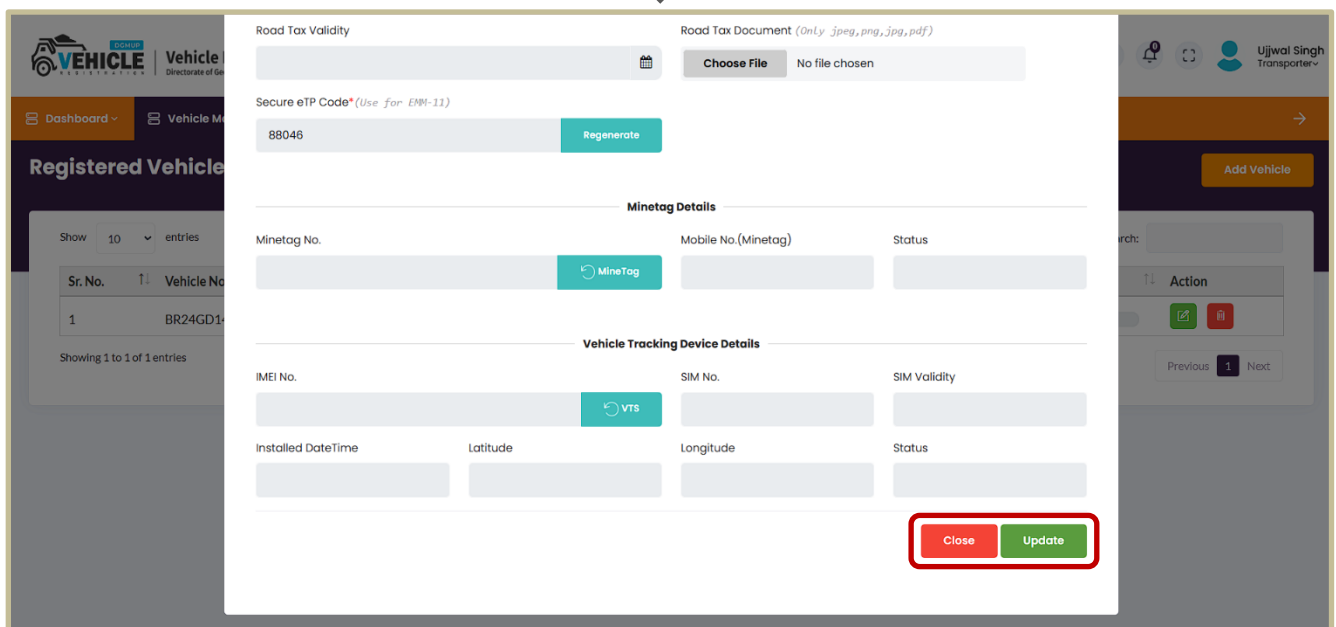
**RC Validity:**

**RC Document\* (Only jpeg, png, jpg, pdf):** Choose File No file chosen

**Permit Validity:**

**Permit Document (Only jpeg, png, jpg, pdf):**





## 7.1 Process Flow

### 1. User Login

- Users (like "Ujjwal Singh – Transporter") must log in with their credentials.
- Post-logout, login is required again – this ensures **session-based security**.
- Once logged in, the transporter dashboard is shown.

## 2. Dashboard Navigation

- Top Navigation Tabs:
- **Dashboard** – Overview
- **Vehicle Management** – Manage vehicles (view, edit, add)
- **Profile** – User profile settings

## 3. Registered Vehicles Table

- Shown in first screenshot:
- A table lists all vehicles registered by the transporter.

### 7.1.1.1 Table Columns:

S#	User Action	System Output
1	Enter Mobile & OTP	Login to portal
2	Access Dashboard	See basic stats
3	Complete Profile	Unlock full features
4	Register Vehicle	Add vehicle data
5	Map VTS & Generate eTP	Full transport compliance enabled

## 3. Add/Edit Vehicle Modal

Shown in second screenshot:

When user clicks the **edit (green)** button, a modal opens with complete vehicle details:

Vehicle Information:

- **Vehicle No., Engine No., Chassis No.** (Last 5 digits masked)
- **Vehicle Category:** Pre-selected or drop-down
- **No. of Wheels:** Not shown, possibly auto-filled or manual input

Photo Uploads:

Vehicle Front, Side, Back Photos (formats: jpeg, jpg, png)

Owner Details:

- **Owner Name & Address**
- **MineTag No.** (Button to generate MineTag)
- **Mobile No. (Minetag) & Status** (blank fields)

## 4. Secure eTP Code:

- A code is shown (e.g., **88046**)
- Button to **Regenerate**

## 5. Minetag Details:

- Mintag No
- Mobile No. (for mintag)
- Status

### **Note:**

Sync button to fetch from system or GPS.

## 6. Vehicle Tracking Device Details

- MTI No.
- SIM No.
- SIM Validity
- Install date/time
- Latitude/Longitude
- Status

### **Note:**

VTs Button Pull live tracking data.

**Close** (red) – Cancel changes

**Update** (green) – Save changes

## Key Functional Concepts

### 1. Secure Code (eTP)

- Stands for "Electronic Transit Pass"
- Used to track vehicle movement, generate compliance documents (like e-way bills)
- Regenerated via a button in the form

### 2. MineTag Integration

- Allows vehicles to be linked with a mining permit or specific mining site
- Currently not linked (---) – may depend on MineTag issuance workflow

### 3. Completion Percentage

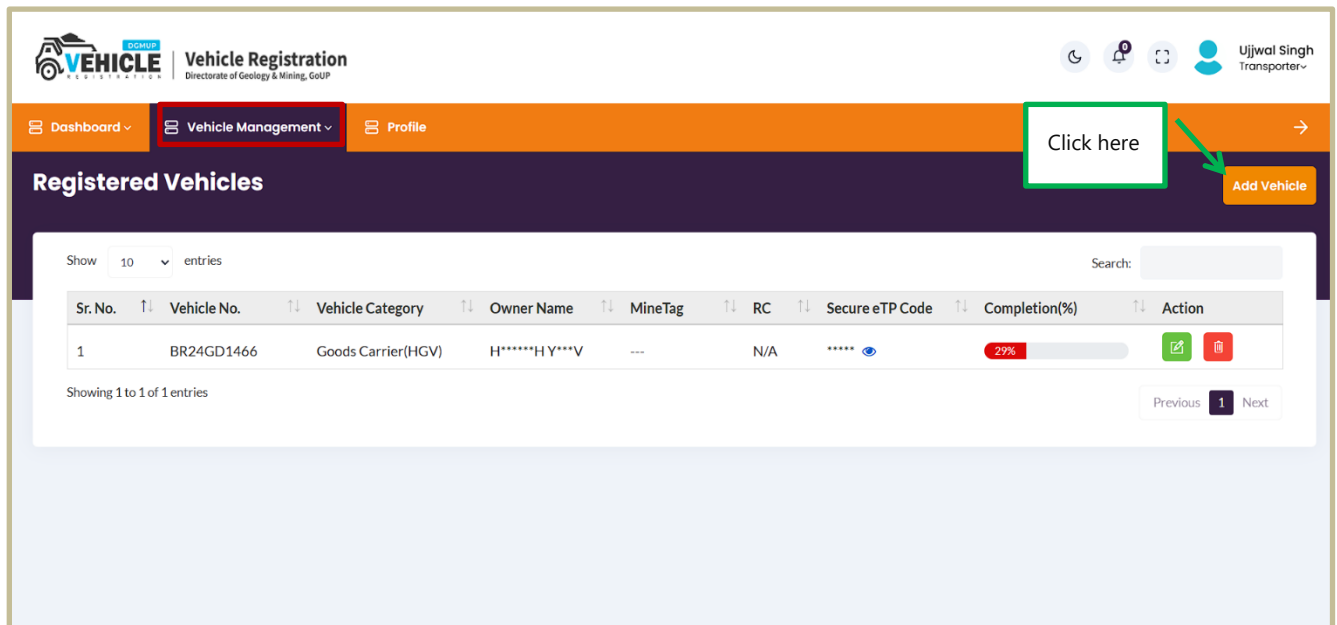
- Shows how many fields/documents are filled or uploaded
- Color-coded progress bar (e.g., 29% in red indicates incomplete status)

### 4. Masked Data

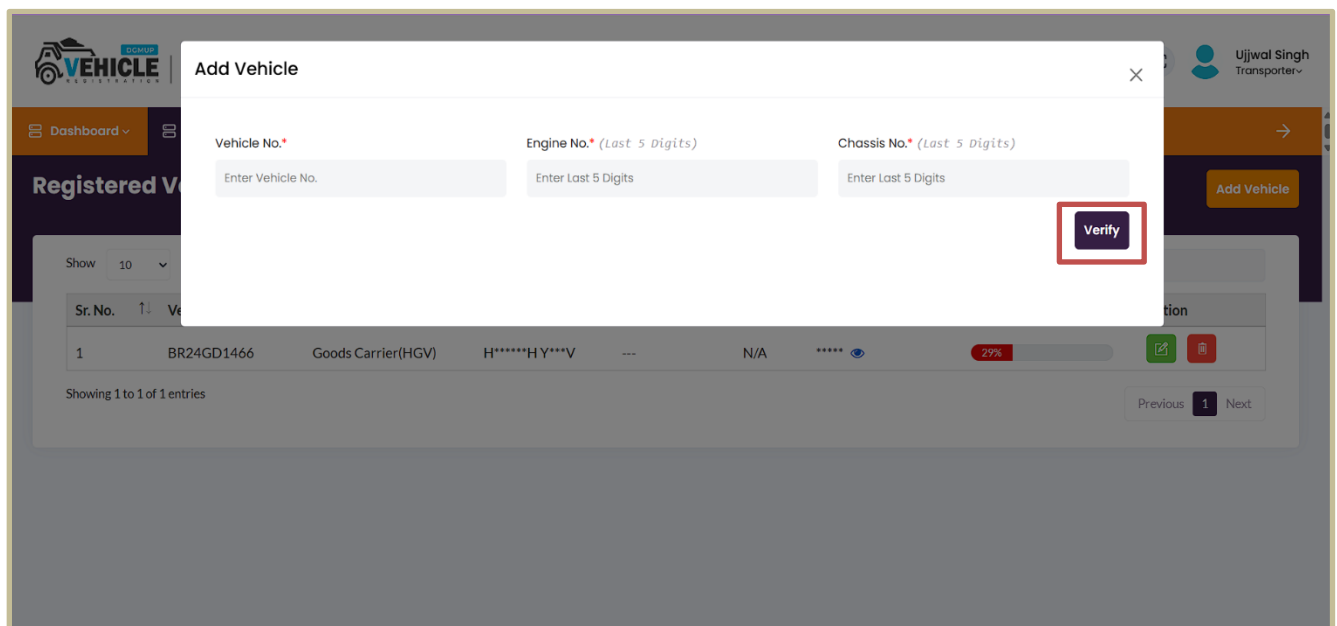
Sensitive fields like Engine No., Owner Name are masked for security and privacy



## 8.0 Add Vehicle



The screenshot shows the 'Registered Vehicles' section of the portal. The 'Vehicle Management' menu is highlighted in the top navigation bar. A green box labeled 'Click here' points to the 'Add Vehicle' button in the top right corner. Below the navigation bar, there is a table of registered vehicles. The table has columns: Sr. No., Vehicle No., Vehicle Category, Owner Name, MineTag, RC, Secure eTP Code, Completion(%), and Action. The first row shows a vehicle with Sr. No. 1, Vehicle No. BR24GD1466, and Category Goods Carrier(HGV). The completion percentage is 29%.

The screenshot shows the 'Add Vehicle' modal form. The form has three input fields: 'Vehicle No.\*', 'Engine No.\* (Last 5 Digits)', and 'Chassis No.\* (Last 5 Digits)'. Below each field is a placeholder text: 'Enter Vehicle No.', 'Enter Last 5 Digits', and 'Enter Last 5 Digits'. A red box highlights the 'Verify' button at the bottom right of the form.

### STEP 1: Navigate to Registered Vehicles

#### Location in Portal:

Main Menu → Vehicle Management ↓ → Registered Vehicles

**STEP 2: Click on “Add Vehicle” (Orange Button at Top-Right)**

**Action:** Click the **Add Vehicle** button.

This launches a **popup modal form**.

**STEP 3: Fill Vehicle Details in Modal Form****8.1.1.1 Form Fields (all marked required)**

S#	Field	Description	Input Format
1	Vehicle No.	Enter full vehicle number	e.g., BR24GD1466
2	Engine No.	Enter <b>last 5 digits only</b>	Numeric
3	Chassis No.	Enter <b>last 5 digits only</b>	Numeric

**POST-VERIFICATION NAVIGATION**

- If verified successfully, the vehicle is added to the list.
- It will now appear in the main **Registered Vehicles Table** with default values like:
- Completion % = 29%
- RC = N/A
- MineTag = Not Mapped
- eTP Code = Hidden

**You can later:**

**Edit** using the green button to update missing documents/details.

**Delete** vehicle if incorrect.