

## Uttar Pradesh

Uttar Pradesh, lying in the North-Central part is the most populous and fourth largest State of India. It is bordered by the State of Uttarakhand and the country of Nepal to the North, the State of Bihar to the East, the States of Jharkhand and Chhattisgarh to the South-East, the State of Madhya Pradesh to the South, and the States of Rajasthan and Haryana and the National Capital Territory of Delhi to the West. On January 26, 1950, when India became a Republic, the State was given its present name, Uttar Pradesh (literally, “Northern State”). The total geographical area of the State is now 243,286 sq. Km.

Uttar Pradesh is one of the States that aesthetically defines India and its rich history that is as ancient as the time known. This is the land wherein great sages have emerged, religions have evolved and two great epics of India: Ramayana and Mahabharata have been inspired from. With each progressing century, the State has vouched for the secularity of India by giving home to various religions - Hinduism, Jainism, Islamism, Buddhism and more.

The length of roads constructed across the State was around 436,000 Kilometres and there are 60 National Highways with total length of 8483 Kms.

One of the factors of concern in UP is with regard to its road safety performance. In 2019, a total of 22,665 people died in 42,572 road accidents and 22,256 people died in 42,568 road accidents in 2018, as per the MoRTH Report 2019. The number of persons killed in road traffic accidents was the highest in Uttar Pradesh in 2019 and the State was ranked 3<sup>rd</sup> in the country.

Amongst IRF-IC's 7 State Demonstration Safe Corridor Project, the Govt. of Uttar Pradesh had identified a 121 Km Moradabad to Bareilly as the project stretch for 5E interventions. These 5E interventions will help transform this stretch to forgiving road with an almost zero fatalities and serious injuries.

### **Status of the 5E Interventions:**

**1<sup>st</sup> E of Engineering of Roads:** The objective of this intervention is to study the road stretch through an extensive audit and identify areas of improvement through design corrections, enhancing traffic signages, markings, etc. The Road Safety Audit was undertaken by Ashoka Buildcon Ltd. and IRF-IC team comprising of Mr. Sadashiv Borade, Mr. Anuj Kumar, Mr. Saurav Seharawat, Mr. Jatin Seharawat, Mr. Jasvinder Duhan.



*Measuring the Height of MBCB from Finished Road Level*



*Collecting information of road accidents from nearby villagers*

A comprehensive audit report has been prepared giving details of proposed corrections at the Junctions, recommendations on Traffic Signage and Markings and a detailed BoQ submitted to NHAI. The next step is the implementation of the corrections by NHAI to make the stretch Safer.

**2<sup>nd</sup> E of Engineering of Vehicles and Policy Interventions:** The objective of this intervention is to promote and propagate various mandatory safety features in motorised and non-motorised vehicles as well as supporting policies. It is often observed that though many provisions related to safer mobility is in existence, there is a lack in their enforcement and compliance in various States of India. We have identified certain key vehicular safety measures such as fitment of Side Under-run Protection Devices, Rear Under-run Protection Devices, Front Under-run Protection Devices, Conspicuity of vehicles, retro fitment of Anti Brake System, etc., and policies such as Good Samaritan Rule, Linkage of Driving Licenses with Aadhar Cards, etc., for pursuing with the State Government for their propagation, enforcement and ensuring compliance.

**3<sup>rd</sup> E of Education and Mass Awareness:** We will impart Road Safety Education in around 196 schools on the stretch with the help of Prabhaav Foundation as the Delivery Partner. The children in the age group of 11 to 17 years are being imparted the education. This activity will start shortly as the schools have reopened after the summer vacations.

Besides this, we are promoting our Road Safety Anthem in 23 Indian languages towards creating mass awareness. IRF has produced a few short films of 1 to 5 mts duration with the support of Corporate India. We are making efforts with the concerned department in the Governments at the Centre and the State to make it mandatory to show these short films in Cinemas before the screening of any commercial films. This is similar to the anti-cancer



INDIA CHAPTER

campaign of the Government which has successfully created massive awareness to the cause.

**4<sup>th</sup> E of Enforcement and Traffic Management:** The objective of this intervention is to strengthen the Traffic Management and Accident Data Collection capacities of the Police Personnel through imparting short duration Training. For this purpose, 12 Police Stations on the project stretch was identified and a brief survey was undertaken to understand the infrastructure availability at each of the Police Stations. As a next step, a 3 -day training programme on Traffic Management, Enforcement and Accident Data Collection for a group of 30 police personnel of different ranks drawn from each of the 12 Police Stations will be organised sometime during August 2022. The training will be imparted by IRTE's Dr. Rohit Baluja and his team, guest faculty and Prof. P. K. Sikdar of IRF India.

**5<sup>th</sup> E of Emergency Care:** The objective of this intervention is three pronged. First, Survey of the Hospitals at District Level, offering more than 100 Beds and having provision for 24-hour emergency, to understand their current available Infrastructure and Skilled Capacities. This will be followed by a feasibility exercise aiming to enhance 5-6 of these hospitals to Level 1/Level 2/Level 3 Trauma Care Centres. IRF-IC team had surveyed 6 hospitals which met our screening criteria and collected data from all of them.



*Enumeration in Rajshree Hospital & Medical College,  
Bareilly*



*Enumeration in Rohilkhand Medical College & Hospital,  
Bareilly*

Second is to undertake training of able-bodied Bystanders to act as First Responders during pre-hospital care. An IRF-IC team of Pre-hospital Trauma Care Technicians imparted hands on training on First Aid Trauma Care to the Bystanders drawn from road side establishments, communities, institutions, etc. The curriculum covered in the training programme include Cardio Pulmonary Resuscitation (CPR), Splinting, Injuries Management, Management of Animal Bites, Safe Transportation of the victims, etc. On the Project Stretch, 7 Training Programmes were imparted to Bystanders / Workers / Staff at Toll Plazas, Schools, Panchayat Samiti, etc. 365 Bystanders were trained.



*Demonstration of Arya Bhatt International School,  
Moradabad*



*Interaction during First-aid at Thiriya Khetal Toll Plaza,  
Bareilly*

Third is with regard to Rehabilitation of Accident Victims. We are presently working on this concept and shall update this space as and when ample progress is recorded.