

## **Madhya Pradesh**

Madhya Pradesh is known as the “Heart of India” because of a lot many things that it has to offer. It has been home to cultural and spiritual heritage of almost all the religions. Innumerable monuments, intricately carved temples, stupas, forts and palaces dot the State all over.

Madhya Pradesh is the second largest State in India after Rajasthan. The State is home to an extensive Roadways Network. The Madhya Pradesh Road Network map makes you familiar with the entire roadways network in the State. The Madhya Pradesh Road Development Corporation (MPRDC) has undertaken the responsibility of the execution of 15 State Highway and Major District Road projects in the State.

The total geographical area of the State is now 308,245sq. Kms. Madhya Pradesh is situated in the very heart of India and it is surrounded by five States viz., Rajasthan, Maharashtra, Gujarat, Chhattisgarh and Uttar Pradesh.

One of the factors of concern in the State is with regard to its road safety performance. A total of 11,249 people died in 50,669 road accidents in 2019 and 10,706 people died in 51,397 road accidents in 2018. According to the Ministry of Road Transport and Highways (MoRTH) report-2019, increase in road accidents was highest in Madhya Pradesh. It is ranked 2<sup>nd</sup> in terms of number of total road accident fatalities in the country.

Amongst IRF-IC's 7 State Demonstration Safe Corridor Project, the Govt. of Madhya Pradesh had identified a 105 Km Sidhi to Singrauli 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.

### **The Coordinators for the project from Madhya Pradesh Govt. and IRF-IC are:**

- Mr. Mukesh Jain, Transport Commissioner, Government of Madhya Pradesh
- Mr. Manoj Puranik, Chief Engineer., IRF-IC's Coordinator

### **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 IRF Team. This was done by Mr. Prabhakar S A (Road Safety Expert), Mr. Mallikarjun Shabad (Highway Engineer) and Mr. Saurav Seharawat (Project Associate IRF-IC).



*Interaction with Contractor and MPRDC Team*



*Audit During Night Time*

A comprehensive audit report has been prepared giving details of proposed corrections at the Junctions, recommendations on Traffic Signage and Markings along with 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 376 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. So far, we have completed this in around 60 schools and this activity will resume 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 campaign of the Government which has successfully created massive awareness to the cause.



*Road Safety Education in Schools in Progress*

**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 capabilities of the Police Personnel through imparting a short duration Training. For this purpose, 6 Police Stations on the project stretch were identified and a brief survey was undertaken to understand the infrastructure availability at each of the Police Stations. This was followed by a 3 -day training programme on Traffic Management, Enforcement and Accident Data Collection for a group of 38 police personnel of different ranks drawn from each of the 6 Police Stations. The training took place during June 15 to 17, 2022 at the Police Headquarters, Singrauli. The training programme was imparted by IRTE's Dr. Rohit Baluja and his team.



*Enforcement and Traffic Management Training at Police Headquarters, Singrauli*

**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 Centers. IRF-IC team had surveyed 6 hospitals which met our screening criteria and collected data from all of them.





*Enumeration in CHC Hospital, Morwa, Singrauli*



*Enumeration in Sidhi District Hospital, Sidhi*

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. 258 Bystanders were trained.



*Demonstration of CPR to Government Degree College*



*Interaction during First-aid Training in a Govt School*

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.