

2. Improvement of road safety aspects during construction and operation of roads in the State.

Introduction

- Road safety is a global concern and is a sustainable development issue that needs greater attention. The major contributors to these numbers are low-to-middle income countries like India. The numbers suggest that at least 413 people died every day in 1317 road accidents. India accounts for highest nos. of road deaths in world i.e. 10% of global road accidents global deaths (International road federation).
- According to the ministry of road transport and highways, government of India, The numbers of persons killed in road accidents during the last 3 calendar years i.e. 2015 to 2017 in shown in the table given below-

Years	Number of persons killed in road accidents
2015	1,46,133
2016	1,50,785
2017	1,47,913

- State wise data is also given by the Ministry according to that Uttar Pradesh is on top level in terms of total no. of persons killed in road accidents during 2015 to 2017 i.e. 17666, 19320 and 20124 respectively no. of persons killed in toad accident in 2018 was 22,250.
- A detailed analysis of the accident report for the year shows that only two dozen out of the 75 districts in UP recorded lower numbers of deaths. During 2016-2017 Districts likes Sant Kabirnagar, Unnao, Faizabad, Rampur and Moradabad appeared to have recorded the highest growth in deaths from road mishaps. With an increase of more than 53%, Sant Kabirnagar was on top. Kanpur Nagar with 628 deaths was on the top followed by Lucknow with 655 deaths. The main cause of accident was over speeding, According to an assessment of data of MoRTH. In 14,276 out of 37,783 crashes that took place in UP in 2017, drivers violated speed norms.

Scope of Work

- The objective is to assist the Public Works Department, Uttar Pradesh to improve the road network from road safety perspective
- Study the existing legislations, framework and infrastructure related to road safety and recommend improvement for safer roads
- Suggest steps to promote conscious planning for safe design of roads and recommend as how that best practices should be incorporated in designing the roads.

- suggest measures to adopt the accident reduction strategy for existing roads through black spots improvement programs.
- Development of a multi-sectoral road safety improvement measures comprising Road Safety Audit on the road network of the state including suggestions for adopting methods for Collection of supporting field data .
- Provide standard templates and drawings based on prevalent codes and guidelines regarding road safety measures for generic use of practicing engineers.
- Coordinate to establish road accident database management system. Provide suggestions to reconcile historical road accident data and do crash analyses and Black Spot identification.
- undertake preparation of Road Safety Action Plan for the State to implement the strategy including the formulation of a staffing plan, operational budget and the mechanism for implementation, monitoring and dissemination to road users / public.
- Undertake Institutional analysis of UPPWD on Safety management awareness, readiness and capability and suggest improvement measures there upon.
- Provide support for undertaking a comprehensive review of documents to improve the contractual framework for safety management, including contract bid documents.
- Undertake the work of development of a Road Traffic and work zone safety manual of road infrastructure safety principles and good practice incorporating safe system principles. For Work Zone Safety, develop an application to help implement, manage, monitor and evaluate Safety measures
- Review current measures being adopted to improve work zone safety management by addressing technical, contractual and institutional dimensions related to safety during road construction including the implementation and enforcement mechanism for safety management during the construction stage.
- Identify suitable training opportunities for staff training and capacity building , including national and International courses and Study Tours as a training curriculum and assist in organizing workshops/seminars/Lectures as required.
- Make recommendation for and assist in developing organizational capacity for safety management through all phases of Highways development.
- The ultimate goal is to make Uttar Pradesh roads safer for all users. Establish a sustainable institutional framework for efforts to improve road safety. This includes legal, financial and organizational aspects as well as co-operation between different authorities