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REPORT**  
2019 - 20





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# SAFE *(a SIAM initiative)*

## Society for Automotive Fitness & Environment



In order to achieve advancement of Inspection and Certification (I&C) of vehicles and increased safety on roads, the Society of Indian Automobile Manufacturers (SIAM) has incorporated an independent body Society for Automotive Fitness & Environment (SAFE) with membership from Industry, Testing Agencies and NGOs.

SAFE works to spread awareness among the various stakeholders on the concerns of in-use vehicles which would lead to safer vehicles and cleaner environment.



SAFE organizes inspection clinics for in-use vehicles and training workshops in various parts of the country for technicians in the area of pollution checking. These programmes are aimed at creating awareness amongst vehicle owners on importance of regular maintenance of their vehicles. It is one of the most effective ways to control emission levels from vehicles in the country.

In addition, SAFE also organizes seminars and interactions on these subject with State Governments and other stakeholders.



SAFE has also commenced various initiatives for imparting road safety education to students, drivers and the general public at large. Through Road Safety Awareness Programmes, SAFE tries to apprise the community on traffic rules and also to inculcate correct and responsible attitude towards fellow road users.



SAFE is a catalyst in the automobile industry's endeavour to fulfil its commitment towards a cleaner and a safer environment and will continue to support and enhance the industry's role as a responsible corporate citizen in the country.

## PRESIDENT'S MESSAGE



Environment protection and Road Safety are matters of urgent public health and development. Environment protection is the practice of protecting the environment and its facets by individuals, organisations, and governments. SIAM and SAFE are relentlessly working on disseminating knowledge, best practices and encouraging behavioural change for a greener environment.

India has an integrated transport system which plays an important role in development of economic activities by promoting fair distribution of produced goods and services and movement of people. It is one of the key indicators in assessment of socio-economic development of the country.

Road traffic continues to be a major developmental issue, a public health concern and is a leading cause of death and injury across the world, killing more than 1.35 million globally as reported in the Global Status report on Road Safety 2018 with 90% of these casualties taking place in the developing countries and 11% alone being accounted by India.

Year 2020 is a landmark in Global Road Safety scenario. In Feb 2020, 3<sup>rd</sup> Ministerial level Global Road Safety Conference was held in Sweden where Indian Transport Minister along with Indian delegation consists of SAFE representatives, Indian Corporate, various non-governmental organisations and academic representatives participated. The Ministerial Conference culminated in the forward-looking "Stockholm Declaration", which calls for a new global target to reduce road traffic deaths and injuries by 50% by 2030. In addition, it invites strengthened efforts on activities in all five pillars of the Global Plan for the Decade of Action: better road safety management; safer roads, vehicles, and people; and enhanced post-crash care. India is signatory of "Stockholm Declaration".

By providing a framework in the form of a Global Plan, the Decade of Action for Road Safety 2011-2020 has given impetus to countries and cities worldwide to implement evidence-based road safety interventions that save lives. Based on the safe system approach, critical pillars of activity on which they have made progress are improved management; safer roads, vehicles and people; and enhanced emergency care. For the first time, road safety is reflected in the global sustainable development goals agreed upon in 2015. Two Sustainable Development Goal (SDGs) targets directly address road safety: aimed at preventing road traffic deaths

and injuries and aimed at providing access to safe, affordable, accessible and sustainable transport systems for all.

Government of India announced various initiatives for improvement of safety and environment technology in vehicles e.g. safety regulations for front, side, pedestrian protection, implementation of Bharat Stage VI emission norms, has led to the landmark achievement of the country.

A major initiative of the Ministry this year in the field of Road Safety has been the passing of the Motor Vehicle Amendment Bill 2019 by both the Houses of Parliament in August 2019. The aforementioned bill has now become an Act. The provisions of Motor Vehicle Amendment Act 2019 which focus on road safety include, inter-alia, stiff hike in penalties for traffic violations and electronic monitoring of the same, enhanced penalties for juvenile driving, cashless treatment during the golden hour, computerisation/automation of vehicle fitness and driving tests, recall of defective vehicles, extending the scope of third party liability and payment of increased compensation for hit and run cases etc.

SAFE members are always concerned about safety of children and young people and are working tirelessly to improve road safety education among these groups by running year-long interventions at various places of country. SAFE along with its members, their dealers and support of various stakeholders reached out to more than one crore young people across the nation and tried to inculcate the knowledge of road safety issues.

SAFE and its members are persistently disseminating knowledge and encouraging behavioural change for a greener environment by organising vehicle maintenance and free PUC drives,

tree plantation, supporting reduction in stubble burning etc. With regard to road safety, SAFE provided road safety training to students, drivers and vehicle owners through the year. SAFE in collaboration with its members have intervened in the technical deliberation in regulations and government notifications which will directly or indirectly impact the road safety. With a view to promoting road safety interventions in the different states, SIAM-SAFE organised interactions with several State Governments during 2019-2020. Interactions were held with the Governments of Himachal Pradesh, Chandigarh, West Bengal, and others. SAFE and its members and associates reached out to millions of people through the various initiatives.

Year 2020 will also be remembered for pandemic COVID 2019 and its high impact on entire Automotive industry, however, this pandemic has impacted negatively on demand and supply chain, it has also resulted in some positive outcomes in terms of saving lives from road crashes and improved Air quality at large across the globe.

According to one report, NASA satellite measurements have shown an improvement in air quality, revealing a 30% drop in air pollution of the Northeast United States as in other regions of the world. In India's city capital Delhi, the levels of nitrogen dioxide (NO<sub>2</sub>), which is mainly emitted during the combustion processes of fossil fuels have decreased by 55%.

Environmental pollution happened due to the crop residue also. The problem of crop residue burning is extremely serious, particularly in Haryana and Punjab. SAFE being a socially conscious organization, it has implemented a highly acclaimed project on Sukh Da Saah on the 7400 acres of agricultural land in 9

villages of Patiala, Punjab. After achieving stupendous success in 2018-19 and 2019-20 by reducing stubble burning 71% and 81% respectively, the target of zero stubble burning in 2020 is achievable. As an intervention of this initiative, the central government had initiated larger programs with the state government and mobilised them for alternate usage of stubble and exploring alternatives to their burning. Also, SAFE's impact can be assessed on behalf of automotive industry in mobilizing state government, municipalities and other state departments to focus on environment more closely.

While we persevered on our mission, the outbreak of the COVID-19 pandemic around the first quarter of 2020 has severely impacted the country and the globe. SIAM -SAFE swung into action swiftly and has, till date reached out to thousands of commercial vehicle drivers and assisted them by provided with free food, health kits consisting of face mask, sanitizer and liquid hand wash to help them protect themselves by adopting a safe hygiene regime. Due to this pandemic many EWS farmers were vastly impacted. SAFE along with the help of its member tried to provide ration to these farmers in Nabha, Punjab.

As the Industry, the country, and the globe as a whole gears to address the ramifications of the outbreak, SIAM-SAFE, on its part, strengthens the resolve to

support protection of the environment and improving safety on Indian roads. SIAM-SAFE will work towards promoting sustainable solutions to address the twin challenges by reaching out to all through webinars, online training, lectures series etc. and proceed towards our goal of spreading the knowledge and information on environment and safety.

On behalf of all SAFE members, would like to thank all the stakeholders who have contributed to the cause of protecting environment and ensuring safe and secure mobility for the society.

Every year, SAFE organizes its Annual Convention in a different state of India to highlight its achievements and goals. This year due to COVID pandemic, SAFE Annual Convention will be organised on a virtual platform.

SAFE's Members are fully committed to achieve the objective of spreading the awareness on environment protection and reducing the road fatalities on our roads. I along with SAFE secretariat will keep the momentum and will dedicate our duties towards the betterment of society.

With warm regards,

**Anupam Shrivastava**  
President-SAFE

# National Environment Policy and Regulatory Framework for Prevention and Control of Air Pollution

## Key lessons from COVID-19 lockdown

### Background

Environment is an inseparable part of mankind that includes land, water, air, space, flora, and fauna, and which are interconnected, interrelated and interdependent. The environment has been affected due to developmental activities which have exploited natural resources without due respect to nature, its preservation and conservation. The cardinal principle of sustainable development envisages development without destruction of natural environment, and which meets the needs of the present generation without compromising the future generations ability to meet their own needs. Environment has different facets like air, water, soil, eco-systems. Biodiversity, wildlife, wilderness, natural and man-made edifices etc. The article focuses on various aspects of air pollution and impacts including remediations.

### What's in our air?



#### Status of Air Pollution:

Industrialization and urbanization have resulted in a profound deterioration of India's air quality. India has more than 20 cities with populations of more than 1 million, and some of them—including New Delhi, Mumbai, Chennai, and Kolkata are among the world's most polluted. India's most severe environmental problem, come in several forms, including vehicular emissions and untreated industrial smoke. One of the most affected cities is New Delhi, where airborne particulate matter (PM) has been registered at levels more than 10 times India's legal limit.

### **Air Quality and Human Health:**

Various Organizations/ Institutions, from time to time, have been publishing estimates of mortality/ morbidity attributable to environmental pollution based on models, simulations, and extrapolations. One such estimate published in 2019 reports total life expectancy loss in South Asia from air pollution to be 2 years and 6 months. Air pollution is one of the triggering factors for respiratory ailments and associated diseases. Health effects of air pollution are synergistic manifestation of factors which include food habits, occupational habits, socio-economic status, medical history, immunity, heredity, etc., of the individuals.

The present national policies for environmental pollution and its management are contained in the National Conservation Strategy and Policy Statement on Environment and Development, 1992, the Policy Statement on Abatement of Pollution, 1992 and an overarching National Environment Policy, 2006, and National Clean Air Program, 2019. All these policies have recognized the need for prevention and control of pollution and sustainable development in their specific contexts and formulated necessary strategies to give effect to mitigate pollution from its sources. In this regard, Government has taken several steps which include stringent regulations, development of environmental standards, conservation strategies and innovative technologies to control of pollution etc.

## **Institutional framework for Pollution Prevention and Control**

A Central Pollution Control Board (CPCB) and 28 State Pollution Control Boards (SPCBs) and 6 (presently) Pollution Control Committees (PCCs) in 9 UTs were constituted under the Water (Prevention and Control of Pollution) Act, 1974 for implementation of pollution control laws. The Central Pollution Control Board was constituted by the Central Government and State Pollution Control Boards and Pollution Control Committees were constituted by the respective State Governments. The main functions of the Central Pollution Control Board are to advise the Central Government, coordinate the activities of SPCBs, provide technical assistance and guidance etc. The Government has delegated powers under Section 5 of EPA to CPCB and to the State Governments under which the regulatory agencies can take appropriate steps for prevention and control of pollution in respect of those areas which were not covered under the Water and Air Acts.



## Regulatory and Legislative framework for Pollution Abatement

The constitutional provisions are implemented through environmental protection laws of the country. There are more than 200 statutes having bearing on environmental matter in India. The key pollution control acts administered by the Ministry of Environment & Forests are:

1. The Water (Prevention and Control of Pollution) Act, 1974;
2. The Water (Prevention and Control of Pollution) Cess Act, 1977;
3. The Air (Prevention and Control of Pollution) Act, 1981;
4. The Environment (Protection) Act, 1986;
5. The Public Liability Insurance Act, 1991;
6. The National Green Tribunal Act, 2010.

In addition, there are several rules and regulations framed under these legislation to prevent and control various kinds of pollution. These legislation and regulations are being implemented through a regulatory machinery i.e. Central Pollution Control Board and State Pollution Control Boards/Pollution Control Committees.

## Measures taken for Improvement of Air Quality in Delhi NCR

### Action Plans Implemented

- Graded Response Action Plan (GRAP) was notified on January 12, 2017, for prevention, control, and abatement of air pollution in Delhi and NCR. It identifies graded measures and implementing agencies for response to four AQI categories, namely, Moderate to Poor, Very Poor, Severe and Severe + or Emergency.
- The Central Government has notified a Comprehensive Action Plan (CAP) in 2018 identifying timelines and implementing agencies for actions identified for prevention, control, and mitigation of air pollution in Delhi and NCR. Action Plans for Improvement of Air Quality of Other Cities.
- Ministry of Environment, Forest and Climate Change has launched National Clean Air Programme (NCAP) in January 2019 to tackle the problem of air pollution in a comprehensive manner with targets to achieve 20 to 30 % reduction in PM10 and PM2.5 concentrations by 2024. This is keeping 2017 as the base year for the comparison of concentration. The overall objective is to augment and evolve effective ambient air quality monitoring network across the country besides ensuring comprehensive management plan for prevention,

control and abatement of air pollution and enhancing public awareness and capacity building measures.

- 102 non-attainment cities have been identified based on ambient air quality data for the period 2011 – 2015 and including WHO reports of 2014 & 2018. A total of 86 city specific action plans have been approved for ground implementation.

## Monitoring

- Setting up of monitoring network for assessment of ambient air quality. Central Presently, ambient air quality is being monitored at 779 locations covering 339 cities in 29 states & 6 Union Territories across the country under National Air Quality Monitoring Programme (NAMP). Further, real time monitoring is taking place at 170 locations in 102 cities in 18 States/UTs.
- Notification of National Ambient Air Quality Standards.
- Launch of National Air Quality Index.
- Implementation of Air Quality Early Warning System for Delhi in October 2018 in association with Ministry of Earth Sciences (MoES).

## Transport

- Leapfrogging from BS-IV to BS-VI emission norms from by 1<sup>st</sup> April, 2020 across the country.
- Introduction of cleaner / alternate fuels like gaseous fuel (CNG, LPG etc.), ethanol blending.
- Promotion of public transport and improvements in roads and building of more bridges to ease congestion on roads.
- Operationalisation of Eastern Peripheral Expressway & Western Peripheral Expressway to divert non-destined traffic from Delhi.
- Streamlining the issuance of Pollution Under Control Certificate.

## Biomass and Solid Waste

- A new Central Sector Scheme on 'Promotion of Agricultural Mechanization for in-situ management of Crop Residue in the States of Punjab, Haryana, Uttar Pradesh and NCT of Delhi' for the period from 2018-19 and 2019-20 has been implemented and continuing.

- Banning of burning of biomass/garbage.
- 3 Waste-to-Energy (W-t-E) plants are currently operational in Delhi with a total capacity of 5100 Tonnes Per Day (TPD).
- Notifications of 6 waste management rules covering solid waste, plastic waste, e-waste, bio-medical waste, C&D waste and hazardous wastes issued in 2016.

#### Dust

- Notifications regarding dust mitigation measures for construction and demolition activities.
- Number of mechanised road sweeping machines has been increased significantly and presently 60 machines are deployed for cleaning of roads in Delhi.

#### Public Outreach

- Ministry of Environment, Forest & Climate Change and Uttar Pradesh, Punjab, Haryana, Rajasthan and Delhi Governments launched Clean Air for Delhi Campaign from 10th – 23<sup>rd</sup> Feb 2018 and to check air polluting activities pre and post Diwali, a special campaign called “Clean Air Campaign” during November 01, 2018 to November 10, 2018.
- Ministry is promoting people’s participation and awareness building among citizens for environmental conservation through ‘Green Goods Deeds’ that focus on promotion of cycling, saving water and electricity, growing trees, proper maintenance of vehicles, following of lane discipline and reducing congestion on roads by carpooling etc.
- Development of mechanism for redressal of public complaints regarding air pollution issues in Delhi and NCR (through ‘Sameer App’), ‘Emails’ and ‘Social Media Networks’ (Facebook and Twitter) etc.

## COVID-19 Impact on Air Quality

During the COVID-19 pandemic, the nationwide lockdown from 24th March to 14th April 2020 and extended up to 3<sup>rd</sup> May 2020 and thereafter restricted to hotspots had reduced the pollution levels visibly in cities across the country within couple of weeks. The visible improvement was noticed in air quality data of major NAAQS pollutants (PM10, PM2.5, SO2, NO2, CO, O3 and NH3) in cities and towns. The National Air Quality Index (NAQI) levels reduced drastically to moderate to satisfactory zone from poor & very poor zone. Among the selected pollutants, concentrations of PM10 and PM2.5 have shown the

maximum reduction up to 50% in early lockdown or even more in comparison to the pre-lockdown period (CPCB). The pollution hotspot like Ghaziabad has shown remarkable reduction of 85.1% in PM2.5 concentration, as compared to the concentration just three months back when lockdown imposed. The similar improvement in air quality was also reported in other critically non-compliant cities across the country. The improvement in air quality including all the facets of environment and ecology have shown the remarkable improvement is a classic case of leaning for the policy makers and other stakeholders alike.

## Key Learnings from COVID-19 lockdown

The major learning from the COVID-19 lockdown is that the nature has shown its resilience to bounce back to the normalcy whenever it has provided conducive conditions. Hence, it is amply clear that nature has the potential and innate power to heal itself. The COVID lockdown explicitly taught the authorities and stakeholders that solutions of prevention of pollution lies in the tackling the sources with better technology and innovations rather than treating the pollution itself after it is generated. The lockdown has also revealed that minimum human interventions with nature may lead to better environment, air quality and water quality in rivers and blooming wildlife. The lockdown, unambiguously, shown that it not only improves air quality but also restoring ecosystem and environment. It has to be seen that whether the Government consider using short term lockdown as alternative policy measures to restore environment and ecology, in future.

## Enforcement & Compliance

Acts and rules relating to abatement of pollution are implemented by SPCBs and PCCs. The mechanism adopted by SPCBs/PCCs include issuance of consents and authorizations to the industries and local bodies, undertaking regular inspections for verification of compliance, evolving appropriate action plan including legal actions against the non-compliance industries. To check the compliance of industries, CPCB is also undertaking random inspections and takes action against the industries. The enforcement and compliance have still been a weaker area and there is need to strengthen SPCBs/PCCs along with CPCB. These organizations will have to be strengthened in terms of adequate staff and to be provided with good service conditions. Further, laboratories have to be set up at the regional and district level so that compliance becomes stricter.

## Role of People in Environment Protection

The pollution prevention and control regime set up by the Government provides ample opportunity to the people and stakeholders to contribute their mite in the efforts of the Government. Under the environment statutes any person can give 60 days' notice to take the polluter to the court. There is also a statutory provision of public hearing before granting environmental clearance to the developmental projects. All-important rules and notifications are made available for public views/comments before finalization. There are various awareness and education programmes being implemented by the Ministry for the benefit of various stakeholders for making them sensitized about the need for

environment protection. The other two important options like Public Interest Litigation as well as the Right to Information Act, 2005 are effectively being used by the people in redressal of environmental pollution problems in the country.

## Conclusion

The Government alone cannot accomplish the mammoth task of protecting environment and air pollution in the country. People's participation and their support are crucial for implementation of policies and programmes. NGOs can play an important role in facilitating the prevention and control of air pollution including protection of environment. NGOs are the link between government agencies and the people and are key instruments in creating much desired education and awareness among people and in dissemination of information to the grass root level. The initiatives of the Government and the support of people and local community, NGOs and stakeholders will go a long way towards improving the air quality and environment protection for the present and future generations.



## ROAD SAFETY CHALLENGES

Every year around the world...



**50**  
million are injured



**1.35**  
million people die

on the roads

**54%**



of those who die are the most vulnerable road users - pedestrians, bicyclists, and motorcyclists.

Road crashes are the leading cause of death for



**5-29**  
years olds.

**ROAD CRASHES ARE THE 8<sup>th</sup>**  
leading cause of death for all age groups.

Low- and middle-income countries have approximately

**60%**



of the world's vehicles





**BUT ACCOUNT FOR 93% OF ROAD CRASH FATALITIES.**

These incidents can generate an economic loss of



of countries' annual

**3-6% GDP**



These deaths are preventable.



Wearing a seatbelt reduces the risk of fatal injury

for front seat occupants by



&

for rear seat occupants by



In the event of a crash, helmets are proven to reduce

the risk of death by



&

serious head injury by



A **5%** cut in average vehicle speed can result in a

**30%**

reduction in fatal crashes.

# Activity Report of SAFE



Road Safety interaction session with Traffic Officials at New Delhi



Interactive Workshop on Automobile Norms and Safety Regulations in India, Shimla



Workshop on IT Solutions for Traffic Violations and Automated Licensing Testing in India at Mumbai



National Road Safety Week



Capacity Building Training Program on Road Accident Investigation and Data Collection for Chandigarh Police Officials (22-24 August 2019)

Road Safety Session with School & Colleges

Road Safety Competitions with Schools In Delhi

Participation at Global Conference on Road Safety'

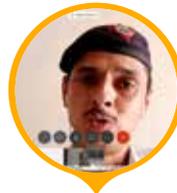




Interaction workshop with School Students and distribution of hygiene kits



Ration Kit distribution to EWS farmers in Punjab



Online workshop on Road Safety for School Students



Doori Ha Jaroori Project

**MARCH**  
2020

**MAY**  
2020

**JULY**  
2020

**SEPTEMBER**  
2020

**APRIL**  
2020

**JUNE**  
2020

**AUGUST**  
2020

Health Kit & Good distribution to Commercial Vehicle Drivers

Webinar on "Making collective efforts to build a Greener and sustainable tomorrow"

Online workshop on Road Safety for School Students





## SAFE Annual Convention on 11<sup>th</sup> June 2019 at Ranchi

### Themed Make Roads Safer: 50 by 2030

Society for Automotive Fitness & Environment (SAFE), a SIAM initiative, in association with Ministry of Road Transport & Highways and Transport Department, Government of Jharkhand, organised the 20<sup>th</sup> edition of SAFE annual convention at Radisson Blu, Ranchi, Jharkhand.

The convention theme was around Make Roads Safer: 50 by 2030, which implies reducing 50 percent fatality rate by 2030, with a fitting tag line - Safe Jharkhand. Sure Jharkhand.

The SAFE annual convention 2019 was attended by prominent guests from the ministry, state government officials and delegates from different backgrounds working in the area of safety.

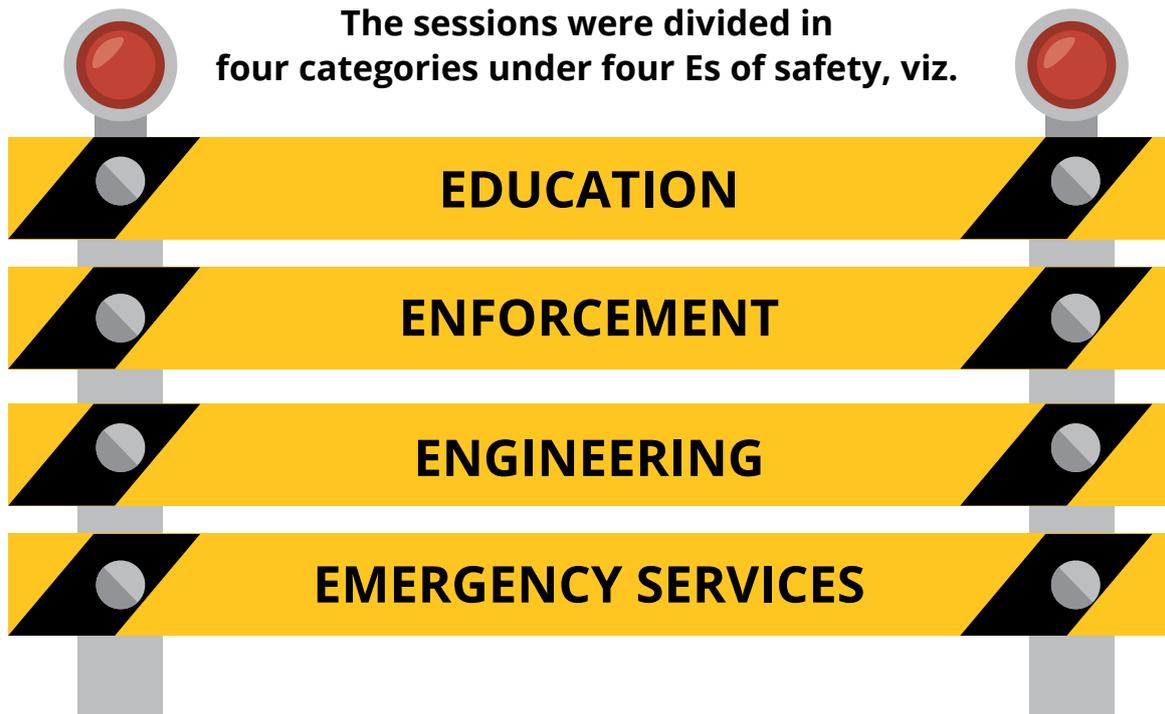


Safe with D2DS launched “Driver Safe App” which is a platform to recognize, reward and incentivize people with good driving behaviour. This app was designed to provide better knowledge to the drivers to prevent road accidents.



Convention was commenced with dignitaries: Mr CP Singh, Hon’ble Minister of Transport, Government of Jharkhand, Mr Faiz Aq Ahmed Mumtaz, Transport Commissioner, Government of Jharkhand, Mr M L Meena, IPS, Assistant Director General of Police, Jharkhand Police Department, Mr Prawin Kumar Toppo, Secretary Transport, Government of Jharkhand, Mr Ramashankar Pandey, MD, Hella India, Mr Rajesh Menon, Director General, SIAM, Mr Anupam Shrivastava, Vice President, SAFE and Mr Mahesh Rajoria, Treasurer, SAFE

**The sessions were divided in four categories under four Es of safety, viz.**



**The first session** highlighted on **EDUCATIONAL** transition for school, colleges and for all road users and also to create a roadmap to impart EDUCATION for safer driving habits making SAFE JHARKHAND SURE JHARKHAND. During this session, Mr Arun Lakshman, Road Safety Consultant Automotive Skill Development Council, Ms Neeru Sachdeva, Road Safety Expert, Gyan Mandir Public School, Mr S Dheerendra, Road Safety Specialist, Safe India Drive, Hyderabad, Mr Pankaj Singh, Director, Health & Safety at ACC Limited (Lafarge Holcim Group) shared their insights to all delegates.



The **second session** emphasised on the steps to be taken for bringing stringent **ENFORCEMENT** for road discipline for achieving SAFE JHARKHAND SURE JHARKHAND. Mr Ajit Peter Dung Dung, SP (Traffic), Ranchi, Mr Anil Chikkara, MLO, Delhi Transport Department, & Mr. Ritwik Mishra, Consultant Road Safety Cell, Transport Department, Jharkhand presented their insights to all delegates.



The **third session** was focussed on safe transport and road **ENGINEERING** and suggested that sustainable steps should be taken by enforcement bodies in making SAFE JHARKHAND SURE JHARKHAND. This session was presented by Mr H M Naqvi, Chief General Manager, National Highway Authority of India (NHAI), Mr Rama Shankar Pandey, Managing Director, Hella India, Mr S R Hariharan, Dy. General Manager, Volvo Trucks India and Mr B Bhanot, Consultant, Rosemarta.



The **last session**, titled **EMERGENCY SERVICES** - Bringing sustainability in public health and air quality, discussed the importance of bringing sustainable solutions for emergency services achieving SAFE JHARKHAND SURE JHARKHAND. During the session, Mr Nitin Madan Kulkarni, Health Department, Jharkhand, Ms Eilia Jafar, Chief Program Officer, Save LIFE Foundation, Dr M S Khalid Quasmi, Dy. General Manager (Occupational Health Services), Tata Motors Ltd and Dr Gaurav Gupta, National Professional Officer (Injury and Disability Prevention), World Health Organization presented their insights. Mr Abhinav Kumar Verma, an accident survivor victim also shared his traumatic experience at the convention.





**Mr Anupam Shrivastava**, Vice President, SAFE, said “Transport is the basis of sustainable development in any economy and therefore road safety is very essential for efficient traffic management. Keeping this key motive in mind, SIAM along with ASDC is launching Driver’s App which can be installed in any vehicle. This app is made in a way that can detect a driver’s way of driving, his pattern and whether he’s proficient enough to drive and has proper training or not. Based on this, we will provide skill based trainings to drivers which will eventually help in reducing any disasters on the roads and will lead to safer roads. This is one of a kind initiative to make better drivers and better traffic management system in today’s fast paced era.”



**Chief Guest, Mr C P Singh**, Hon’ble, Transport Minister, Government of Jharkhand welcomed the automotive industry in Jharkhand and requested to spearhead their CSR funds for automotive testing centre at Jharkhand. He also stressed upon that first the law makers should adhere to the road rules and regulations and then enforce the same for public. He also informed that Transport Department secures crores of funds and provide to the Police department for proper allocation. The Corporates and the enforcement agencies have to go a long way to make safe and secure Jharkhand.





## Five E's Initiatives: Environment

### Sukh Da Saah Initiatives in Punjab

SAFE members are conscious of their social responsibility and implemented the project jointly with CII in Jasso Majra in Patiala.



- SIAM being a socially conscious organization, it has implemented a highly acclaimed project on Sukh Da Saah on the 7400 acres of agricultural land in 9 villages of Patiala, Punjab. After achieving stupendous success in 2018-19 and 2019-20 by reducing stubble burning 71% and 81% respectively, the target of zero stubble burning in 2020 is achievable.



SIAM published a report on the Sukh Da Saah project highlighting the key outcome of 2018-19, the report was released by the President, SIAM in a conference held in November 2019 in New Delhi.



SIAM launched a multimedia campaign with 324 videos starting from 30th September 2019 extending throughout October 2019 including videos with the appeal from the President, SIAM. Now, SIAM is a household name in Punjab and in adjoining States.



SIAM collaborated with Punjab Pollution Control Board implemented field trials of Re-life, a microbial consortium, as in-situ solution to the crop residue burning. SIAM along with its partners applied 'Re-life' on 38 acres of farmland in Punjab. The trials showed positive results and help recycling of nutrients back to the soil and help in moisture retention. Project report is under preparation.



SIAM intensified the multimedia campaign by Van project, nukkad natak in mandi and congregation in Sultanpur Lodi during 550th birth anniversary of Guru Nanak Saheb.

# Implementation of 'Innovative Concept in Agricultural Biotechnology- Successful application of microbial consortium 'Re- life' in mitigation of stubble burning in Punjab

## Background

Punjab Pollution Control Board collaborated with Indian Automobiles Manufacturers (SIAM) to implement field trials of Re-life, a microbial consortium for mitigation of stubble burning in Punjab. SIAM sponsored the initiative with the cooperation of Gujarat Life Sciences(P) Ltd. to provide the eco-sustainable in-situ solution to the problem of crop residue burning using multi-microbial spray of 'Re-Life'. SIAM coordinated with its partners viz. the India Paryavaran Sahayak Foundation (IPS) Foundation and Confederation of Indian Industry (CII), Punjab Agriculture Welfare Department and Thapar Institute of Engineering and Technology and carried out field trials on 38 acres of farmland scale with different farmer groups. In this project, consortium-Re-Life was used to assess and evaluate its efficacy for its commercial application. The whole operation is supervised by the Punjab Pollution Control Board and SIAM.

## The Problem

The burning of crop residue after the harvest – especially during the winter season is a huge national problem- especially in the northern states of India like Punjab, Haryana, UP, Delhi, etc. Apart from creating a serious problem of air and soil pollution and loss of resources which reduces sustainability and economic loss to the farmers. Therefore, there has been an urgent need for practical, eco-friendly, farmer-friendly, and economically attractive solutions.

## The Solution:

After years of research, field demonstrations, Gujarat Life Sciences has developed a microbial consortium named as 'Re-life' which has the attributes of environment-friendliness and efficaciousness in digesting the stubbles or crop residues in the field

after its application. Accordingly, it was unanimously agreed to apply the Re-life in fields on a trial basis. This is a two-step In-situ process involving the following:

- 1) Preparation of mulch from crop residue using machines like Super seeders, Rotavator, mulcher, etc.
- 2) Multi microbial spray 'Re-life' which helps convert the mulch into bio compost in-situ and increases the availability of nutrients, micronutrients, increasing soil health & microbial counts.

Before the commencement of the field application of Re-life, there were several meetings with the partners and collaborators under the Chairmanship of Prof. S. S. Marwah who is the Chairman, Punjab State Pollution Control Board. Apart from SIAM and collaborators, several experts from Punjab Agriculture University and Gujarat Life Science(P) Ltd. also participated in the meetings and were part of the project.

## Implementation (field trials)

The project was implemented during November 2019 to April 2020 under the supervision of the State Pollution Control Board on 38 acres of farmland. Indian Automobiles Manufacturers (SIAM) supported the project with soil samples testing. These partners applied the 'Re-life' on farmland in various regions of Punjab and soil samples pre and post applications of Re-life were collected by the partner agencies and got tested from Punjab Biotechnology Incubator, Government of Punjab, Mohali.



The Project was implemented during November 2019 to April 2020 Under the aegis State Pollution Control Board and Supported & Coordinated by SIAM



Containers with Solution of microbial consortium of Re-life provided by Gujarat Life Sciences(P) Ltd Vadodara, Gujarat

## Partners in Conducting Field Trials by Different Partners

The field trial of Re-life was conducted by the following organizations /individual:

- (i) India Paryavaran Sahayak Foundation (IPS) Foundation,
- (ii) Confederation of Indian Industry (CII),
- (iii) Individual Farmers (Mr Parwinder Singh) and,
- (iv) Agriculture Welfare Department and,
- (v) Thapar Institute of Engineering and Technology.

Field trials were conducted in different district/villages of Punjab by the afore-mentioned organizations to evaluate and demonstrate the impact of multi-microbial spray 'Re-Life' on paddy stubble. The details on different machines and methodologies used for Agriculture Waste Management is described in the following Table

Set	Methodology	Location & Area (District/Village)
Set1(Indian Paryavaran Sahayak-IPS Foundation)	<ol style="list-style-type: none"> <li>Mulching+Re-Life</li> <li>Before and after spraying Re-Life, soil samples were taken</li> </ol>	Sangrur, Patiala, Ludhiana, Barnala, Ropar <b>(Area- 25 acres)</b>
Set 2(Parminder Singh-Farmer)	<ol style="list-style-type: none"> <li>Rotavator+Re-Life and then mixing of straw with plough</li> <li>Before and after samples taken</li> </ol>	Sangrur-Bhawanigarh Village <b>(Area- 5 acres)</b>
Set3 (Confederation of Indian Industry-CII)	<ol style="list-style-type: none"> <li>Rotavator+Re-Life and then mixing of straw with plough</li> <li>Rate of improvement compared between Re-Life+ straw and only straw</li> </ol>	Bohre, Halla, Jassomajra villages in Patiala <b>(Area- 7 acres)</b>
Set4 (Agriculture Welfare Department and TIET)	<ol style="list-style-type: none"> <li>Rotavator+Re-Life and then mixing of straw with plough</li> <li>Before and After samples taken</li> </ol>	Amritsar- Guru Ki Wadali Village <b>(Area- 1 acres)</b>

## Conclusion

All partners applied the microbial consortium in different area of Punjab, however, there was a clear-cut and remarkable increase in macro-micronutrients in the soil. Increase in Total Organic Carbon or carbon contained within soil organic matter helps in soil fertility, moisture retention, carbon sequestration to mitigate climate change, micro-macro aggregation of soil particles will further improve soil health. The crops residue is reservoirs of nutrients and proper management as shown in different field trials will not only help to recycle nutrients back to the soil but will help in moisture retention. An increase in beneficial microorganisms in the soil will improve soil health, reduce air pollution, and will also help to mitigate climate change.

It is pertinent to mentioned here that about 40 per cent of the nitrogen (N), 30 to 35 per cent of the phosphorus (P), 80 to 85 per cent of the potassium (K), and 40 to 50 per cent of the sulfur (S) taken up by rice remains in vegetative plant parts at crop maturity. Direct economic benefits to farmers is less use of inorganic fertilizers, increase in moisture retention means less water use and improvement in soil health and increase in microbiota means more yield and fewer pathogens.

## Way Forward

The project has provided a highly encouraging outcome and suggestive of large scale application of Re-life is feasible to curb the stubble burning in Punjab and Haryana which are the epicentres of the stubble burning by farmers. A joint program involving different Agriculture Organizations, R&D Institutions, Universities, concerned NGOs, the science Ashram and Gujarat Life Science (Vadodara) may take up implementation in larger area in Punjab in the coming season in technical collaboration with SIAM to mitigate the menace of stubble burning.



## World Environment Day 5<sup>th</sup> June 2020

On the occasion of World Environment Day, SAFE and SIAM organized a webinar on “Making collective efforts to build a Greener and Sustainable tomorrow”. With the presence and participation of a huge number of renowned speakers from designated fields, the session primarily deliberated on the roadmap of achieving the ultimate goal of conserving the environment for the present and future generations.

The keynote address was delivered by Hon’ble Shri Suresh Prabhu, India’s Sherpa to G20 & G7 and former Minister of Commerce and Industry and Civil Aviation, Government of India. In addition to that, the webinar witnessed active participation of several prominent speakers including senior Government officers, CEOs of automobile sector, and experts from automobile and environment sector.



**Mr Suresh Prabhu** said that over the last few decades, the exploitation and the degradation of the environment have gone up at an alarming rate. Our actions have been not commensurate enough in of protecting the planet, and hence we have seen natural disasters striking us more often in the form of flash floods, earthquakes, tsunamis, and cyclones. Businesses have a possibility of finding solutions to make our environment better by adopting clean technology. The lockdown has proved this, as all human and industrial activities stopped, and emissions went down. Environmental groups across the world are educating people as to how their small actions can play a big role in protecting the planet.



While talking about the current situation and future opportunities, **Mr Rajan Wadhera**, President, SIAM, said “Indian Automobile Industry has made significant progress on the Environmental front, both at an Industry level, and at the organisation level. On this day, I assure you, that the Indian Automobile industry is committed to work closely with all stakeholders towards our vision of sustainable mobility in the country. He Said “Carbon Neutrality’ in the manufacturing process is being obtained by OEMs through large scale adoption of Solar and Wind power. Factories are also reducing their dependency on fresh water and are increasingly becoming ‘Water Neutral’, apart from undertaking Bio-diversity conservation through plantations.”

With the primary focus on making an effective and sustainable plan of action to protect and conserve environment for the generations to come, the event also highlighted the commitment of the automobile sector towards the environment through the various achievements. For instance, despite facing myriad of challenges in terms of technology, time and resources, the industry had demonstrated outstanding achievements in cleaner fuels and BS VI emission norms, since 1<sup>st</sup> April 2020.

Mr Ashwath Ram, Chairman, SIAM Sustainable Mobility Group & Managing Director, Tata Cummins Pvt Ltd & Cummins India Ltd, started the session with the opening remarks. The key speakers of the session were Mr. K S Pannu (IAS), Secretary, Department of Agriculture, Government of Punjab, Mr Deepak Jain President, ACMA, Mr Rajan Wadhera, President, SIAM, Dr Shruti Rai Bharadwaj, Additional Director, Ministry of Environment, Forest and Climate Change, Mr Rajendra Petkar, President & CTO, Tata Motors Ltd, Mr C V Raman, Senior Executive Director, Maruti Suzuki India Ltd and Mr Sridhar V, Senior Director – Purchase, Honda Motorcycle & Scooter India Pvt. Ltd.



At the webinar, President SIAM announced that SIAM would launch a series of 20 interactive lectures, focusing on environment and other issues of the automobile Industry. The lectures series will spread over the year 2020 -2021.



As a matter of fact, SIAM has taken up several responsible initiatives during World Environment Day to work in a more environment friendly way, and its members, partners, and dealers have dedicated themselves to environment-friendly measures, such as planting of saplings, conducting free pollution checks and dry wash of vehicles. Additionally, there is a greater emphasis on the judicious use of resources at every stage of the product life cycle. Monitoring systems have been put in place to ensure zero discharge in order to meet all the compliance issued by the Pollution Control Boards. Vehicle owners are also being sensitized to support these initiatives and contribute to building a sustainable future. On the occasion of World Environment Day, an online environment quiz was also organised on social media and winners were awarded with gifts.



## Enforcement

### Capacity building program For Chandigarh Traffic Police officials on Road Accident Investigation and Data Collection.

Training focused on the methods and techniques of scientific crash investigation involving on-site crash scene examination, crash vehicle examination and injury data examination was organised from 22 August to 24 August 2019 at Chandigarh. The training provided information on the various automotive safety systems available in vehicles today (helmets, seat belts, airbags, pretensioners, ABS, ESP, etc.), their working principles and methods to evaluate their use. The training also emphasized on the importance of crash data collection for the analysis of road traffic crashes and determination of contributing factors that influence the occurrence of these crashes and resulting injuries.



On completion of the training program, the participants were able to:

1. Identify and mark crash scene evidence such as tire marks, scratch marks, fluids, etc. and determine the point of impact and the final resting positions of the vehicle/pedestrian.
2. Determine pre-crash events (sequence of events leading to a crash).

3. Create a scene diagram of the crash scene.

4. Explain the purpose of safety systems available in vehicles today and how they function.

5. Identify and mark crash vehicle evidence such as paint transfers, direct/indirect damage, tire damage, passenger compartment intrusions, seat belt use, airbag deployment, occupant seating positions, compliance with legal requirements, and occupant/pedestrian contact points on or inside the vehicle.



6. Determine the collision configuration – the position of the vehicle(s) when the impact occurred.

7. Examine an injury report of a victim and try to determine the source(s) of injury in the crash.

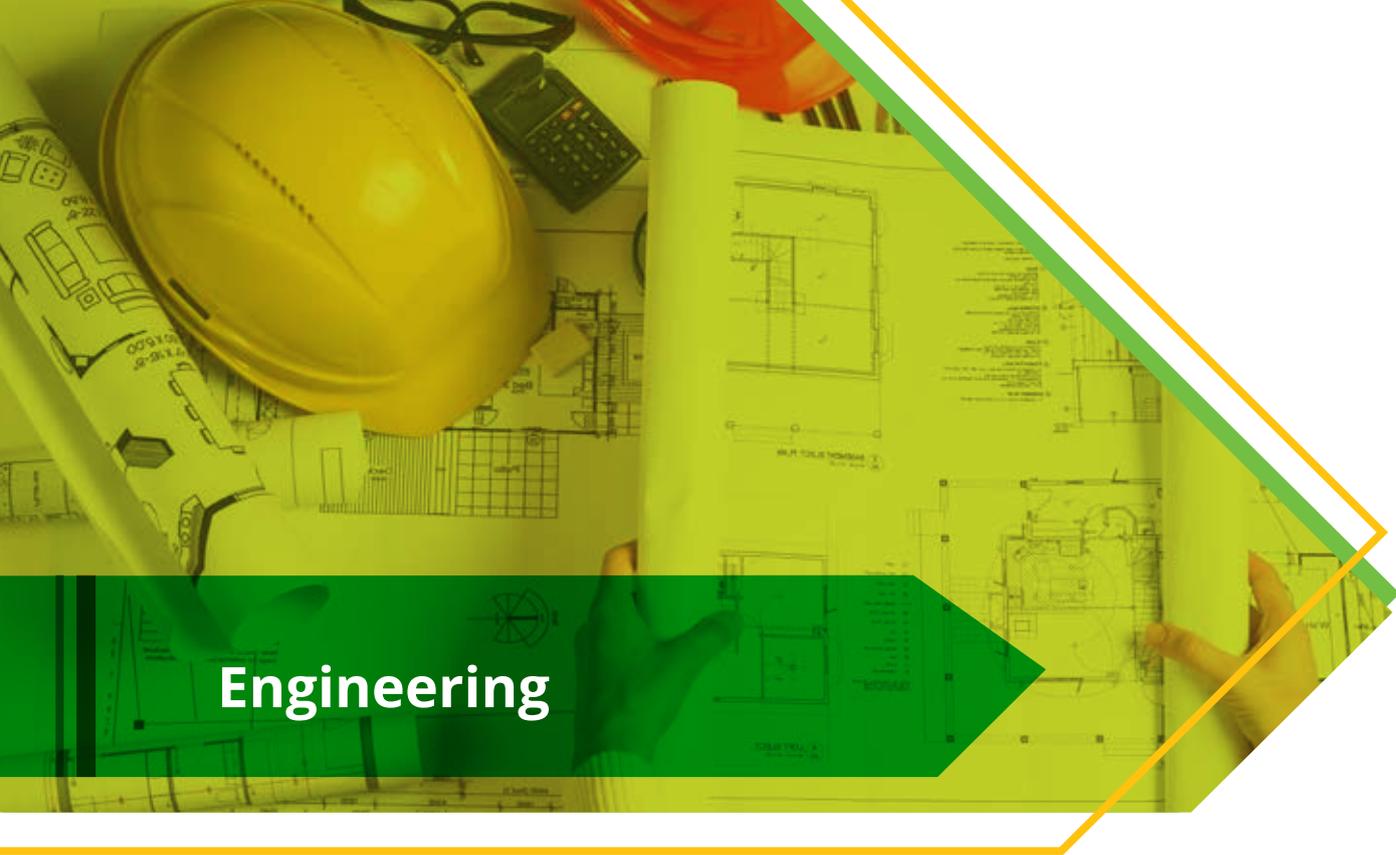
8. Collect all the information described above and code the JPRI crash data collection form and identify the contributing factors (human/vehicle/

infrastructure) that influenced the occurrence of the crash.

## Capacity building program For Delhi Traffic Police officials on Road Safety issues

SAFE organised regular interactions with Delhi Traffic Police Faculty members and time to time provide them with the training material and new concepts of training during 2019-2020. On line trainings with faculty members were conducted on Maintain the distance between the vehicles (Doori Ha Zaroori).

The objective of the training was to inculcate the new information with all the faculty members so that they can spread these learnings among drivers of commercial and private vehicles e.g. DTC drivers, Cluster drivers, general public etc.



## Engineering

### SAFE organised a Round-table discussion on Vehicular Technology: Emission, Safety and Fitness on 12<sup>th</sup> June 2019 at Ranchi

To enhance the knowledge of transport department officials, Government of Jharkhand and SAFE organised a roundtable discussion on Vehicular Technology : Emission, Safety and Fitness on 12<sup>th</sup> June 2019 at Ranchi.

Transport Commissioner, Mr Pravin Kumar Toppo appreciated the efforts taken by SIAM -SAFE in organizing this program at Ranchi, which will assist all the transport department officials in understanding the upcoming technology in vehicles and how to improve the inspection and certification system.



Technical Session was moderated by Mr Harjeet Singh, Past President, SAFE and the presentations were made by:

- Electric Vehicles for mobility by Mr Anupam Shrivastava, Bajaj Auto Ltd
- Safety Standards by Mr Gururaj Ravi, Maruti Suzuki India
- Future Emissions by Mr Sudhir Sathe, Mahindra & Mahindra Ltd
- Rule 62 of CMVR and Future Directions by Mr B Bhanot,



## Road Safety and Traffic Improvement study – Newtown & Salt Lake, Kolkata

SIAM-SAFE and WBHIDCO with the help of JP Research India Private Limited, has successfully completed “Road Safety & Traffic Improvement Study – Newtown & Salt Lake, Kolkata.

The following objectives were successfully completed:

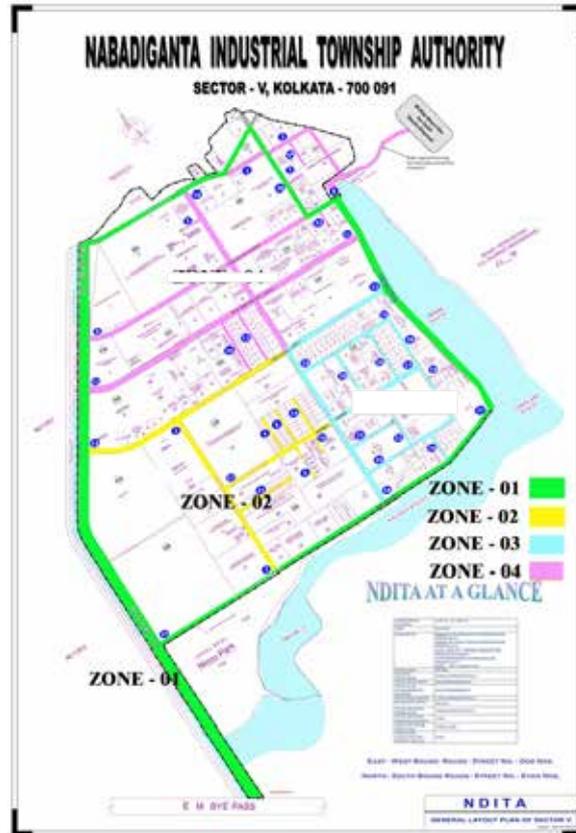
- Analysis of 3 years’ crash data to identify crash patterns.
- Detailed road safety inspections of two urban streets one each in Salt Lake, Sector V (street13) and Newtown (street 165).
- Establishing a baseline to quantify the existing safety concerns
  - o Land utilisation
  - o Vehicle traffic mix
  - o Vehicle travel speeds

- Identify safety concerns with a safety risk rating to aid in prioritising.
- Recommended cost-effective solutions for short and long-term implementation.

## Interactive Workshop on Vehicle Regulations and Safety in India on 20<sup>th</sup> September 2019 at Shimla, Himachal Pradesh

Pursuant to a meeting of SIAM with Transport Department Government of Himachal Pradesh on 2<sup>nd</sup> August 2019, it was decided that a joint workshop would be organised to address issues regarding road safety and vehicle registration in HP. The said workshop was held on 20<sup>th</sup> September 2019, along with the Transport Department, Govt. of Himachal Pradesh and vehicle manufacturers to address the issues regarding vehicle safety and registration in the State of Himachal Pradesh.

The workshop was attended by all the Regional Transport Officers, Motor Vehicle Inspectors and presided by the Hon'ble Minister of Transport, Govt. of Himachal Pradesh, Mr Govind Singh Thakur in the presence of Mr J C Sharma, Principal Secretary, Transport and Capt. J M Pathania, Director and Transport Commissioner, Government of Himachal Pradesh.





Outcome of the Workshop was very encouraging. Col. J M Pathania, Transport Commissioner, Government of Himachal Pradesh said we should do regular interaction for free flow of communication among Transport Department and Vehicle Manufacturers for addressing concerns of Road Safety, Vehicular Emission and Registration of Vehicles. Training for novice drivers need to be organised by SIAM / OEMs to apprise on the new technologies that are being built-in the vehicles. And with the help of SIAM member started the training centre at one of the RTO at Himachal Pradesh.



“

Mr Rajiv Pant, Sr. General Manager, Tata Motors Ltd made a details presentation on the engineering behind Bus Body Building by OEMs and shared that in terms of regulations India is at par to the European regulations for bodies built by OEMs.

“

Mr Anil Chhikara, Transport Department, Government of NCT of Delhi made a details presentation on the need to have sound vehicle fitness centre and shared key issues that needs to be addressed for operating these centres effectively.

“

Mr Prem Kumar KS, Mahindra & Mahindra shared details of new safety features and associated regulations, that make our vehicles safer. He explained the scenarios on how airbags get deployed in the event of an accident, to avoid any misconceptions in a post-accident scenario.

“

Mr Ashish Mathur, Maruti Suzuki shared technological advancements that has been done, by integrating Artificial Intelligence for remotely taking tests of drivers before license at Automated test centers.

“

Mr Harpreet Singh explained the need to undertake pre-licensing training at RTOs and creating awareness on Road Safety through Traffic Parks.

## Seminar on IT Solutions for Traffic Violations and Automated Liciensing Testing in India on 20<sup>th</sup> November 2019 at Mumbai

At the Traffic Infra Tech EXPO integrated expo traffic industry took the opportunity to showcased the latest technology in Intelligent Traffic Management systems, Intelligent Transportation Management system, Fare & Toll systems, ITS & telematics, Road. Rail Infrastructure, Road Construction, Road Safety & Safety, Mass Transportation for Safe and Rapid Public Mobility.

SAFE – SIAM organised a half day seminar on 20<sup>th</sup> November 2019 on IT Solutions for Traffic Violations and Automated Licensing Testing in India during the Traffic Infra Tech Expo scheduled from 20<sup>th</sup>-22nd November at Mumbai. Mr Abhay Damle, Joint Secretary, Ministry of Road Transport & Highways presented the inaugural address. Mr Prashant K Banerjee, Executive Director, SIAM moderated the whole program where various SIAM members presented their few projects showcasing usage on IT technology in bringing safety on our roads.





## Education

### Road Safety Summer Camp for Students at New Delhi

In 2019, SAFE started educational campaigns for school students with Delhi Traffic Police by organizing summer camp in 2 batches, each of 5 days duration from 31<sup>st</sup> May to 14<sup>th</sup> June 2019, at its four Traffic Training Parks located at Bal Bhawan, Baba Kharak Singh Marg, Roshanra Bagh, Punjabi Bagh and Dev Samaj Modern School, Sri Niwas Puri. The Participating students were from class VI to XII.

Students were imparted with training on Road Signs & Signals, traffic rules & regulations, road safety games, Self Defence, Disaster Management, Fire Safety, First aid and various competitions were organised and students were awarded with attractive prizes.

On 31<sup>st</sup> May 2019, Mr Amulya Patnaik, Commissioner of Police inaugurated the Road Safety Summer Camp and culmination function organised on 14<sup>th</sup> June 2019 and SAFE -SIAM distributed trophy and prizes to winner students.



## Road Safety Awareness Week at Gandhi Nagar, Gujarat

SAFE along with SSV Campus, Gandhi Nagar organized one week Road Safety Awareness Drive from 16 Sep – 20 Sep 2019. Starting from Junior till Senior sections various road safety awareness competitions were organized and prizes were awarded to the winner students. Apart from Students, workshop for Drivers, teachers and parents were also conducted by Mr Amit Khatri, Road Safety Trainer & Consultant at Misri Road Safety.

## Mega Road Safety Student's outreach Campaign 2019-2020

The OBJECTIVE of the Mega Road Safety Student's outreach campaign has to reach out to maximum numbers of schools and targeting maximum numbers of students and sensitize them about the importance of Road Safety.





The format of the programme is as under:-

1. Formal launch of event by CP Delhi in the presence of principals/teachers coordinators from schools at NDMC Convention Centre on 24<sup>th</sup> October 2019.
2. District level competition:- Faculty members reached out to maximum possible schools and asked school to participate in the District level competition.
3. Various competitions held for Middle group ( Classes VI to VIII) & Senior Group (Classes IX to XII) eg.
  - i) Poster making with appropriate slogan
  - ii) Essay writing
  - iii) Debate or Extempore Speech competition
4. District level competition:- District Level Final competition organised with the winner students of various schools of one district. Approximately 1200 students participated in the District Level Competitions.
5. Range Level Competition:- The first, second and third prize winners of District level competition participated in the Range level Competition. The competition were held at the Traffic Training Parks in the month of Dec. 2019. Total 36 students participated from each range.
6. Final Competition:- At Traffic Training Park in January 2020. The first, second and third prize winner of the Range Level competition competed in the final competition.
7. Award Function – Winner of the Final Range Level Competitions were awarded by prizes sponsored by SAFE in February 2020.





Road Safety Rolling Trophy: In February 2020, SAFE and Delhi Traffic Police presented the Road Safety Rolling Trophy to the best school who performed best for the year 2019-2020.



The Road Safety Rolling Trophy for the year 2019- 2020 was presented by Mr Amulya Patnaik, Commissioner of Police to Gyan Mandir School, Narayana Vihar. And the Runner Up Certificate was awarded to Tinnu Public School, Sangam Vihar.



## SAFE Mobility Students Outreach Program from 11<sup>th</sup>-13<sup>th</sup> December 2019 at New Delhi

From last 6 years, SAFE and Gyan Mandir school organised Safe Mobility - Inter School Competition on 'Road Safety issues' in association Delhi Traffic Police and CBSE to spread awareness about road safety. Around 1000 students from 30 schools participated in 2019-2020.



30 different types of innovative Road Safety Competitions were planned and executed. Students and teachers were awarded with trophy and certificates. The objective of these types of competitions was to inculcate the knowledge and enhance the creativity skills of students in the area of road safety.



In 2019, we invited faculties Mr Pudumai Balakrishnan, Trained Road Safety faculty, Pondicherry and Mr Bhupinder Singh, Head Constable, Chandigarh Traffic Police. Their way of delivering the road safety messages were unique and very much appreciated by students and teachers.



## Road Safety Online Teaching



In April 2020, due to COVID Pandemic, schools were close, and students were started studying through online system from their homes.

During this pandemic time, SAFE along with Delhi Traffic Police and other stakeholders developed the online road safety awareness programs and started disseminating the training sessions through WebEx, Zoom, Microsoft Team and other means. Everyday Traffic Police approached the schools and with the support of all stakeholders conducting these online road safety sessions and educating students and their parents about the road safety rules and regulations.





## Emergency Care/ Health Check Up

In regard to spread the important message of Goods Smartens Law for Road Accident Victims, SAFE reached out to accident victims and invited them in its Annual Convention at Ranchi and Road Safety Conference in January at New Delhi. These accident survivors shared their views and thoughts with participants and emphasis on providing proper assistance to accident victims.



SAFE in association with TCI Foundation, Sightsavers, Eicher Foundation and MoRTH, organized quality health check-up every year across the country especially at toll plaza sites where the driving community of large commercial vehicles were gathered. A free eye check-ups, eye health awareness and counselling were provided while moving on road and dispensed with free spectacles to drivers.

31<sup>st</sup> Road Safety Week observed from 11<sup>th</sup> January to 17<sup>th</sup> January 2020 and SAFE organised eye check up, health check up and training session at various locations:

- With Sight Savers : Chennai, Hyderabad, Bengaluru, Vijaywada, Bardhaman, Indore, Gwalior, Bengaluru, Siliguri and Ganjam (Odisha)

## Health Check Up Camps for Commercial vehicle Drivers

Sl. No.	Location	Clinic Address	Date
1	Allahabad	Khushi Clinic, Uttar Pradesh-211013	12-01-2020
3	Bhilwara	Kavach Clinic, Bhilwara-311001	13-01-2020
4	Ludhiana	Khushi Clinic, Ludhiana-141008 Panjab	13-01-2020
5	Kanpur	Muskan Clinic, Kanpur-208023	13-01-2020
6	Kalamboli	Muskan Clinic, Maharashtra- 400218	13-01-2020
7	Pata	Khushi Clinic, Uttar Pradesh-206247	14-01-2020
8	Satara	Khushi Clinic, Satara-415513	14-01-2020
9	Gobindpura	Khushi Clinic, Bengal-712305	14-01-2020
10	Haldia	Khushi Clinic, Purba Medinipur - 721657	14-01-2020
11	Chandigarh	Khushi Clinic, Chandigarh - 160019	14-01-2020
12	Vijayawada	Muskaan Clinic, Andhra Pradesh - 520007	
13	Ravalapallam	Khushi Clinic, Andha Pradesh - 533238	18-01-2020
14	Jalgaon	Khushi Clinic, Jalgaon – 425001 Maharastra	16-01-2020
15	Jamshedpur	Khushi Clinic, Jamshedpur - 831003	16-01-2020
16	Haridwar	Khushi Clinic, Haridwar–249402, Uttarakhand	16-01-2020
17	Belgaum	Kavach Clinic, Belgavi District Karnataka-591156	17-01-2020
18	Dobbaspeta	Khushi Clinic, Bangalore Rural-562111	17-01-2020
19	Hosur	Khushi Clinic, Tamilnadu - 635117	17-01-2020
20	Krishnagiri	Kavach Clinic, Tamil Nadu-635115	17-01-2020

## Eye Check Up Camps for Commercial Vehicle Drivers by eicher

Sl. No.	Location	Clinic Address	Date
1	Srigovindpur (Jaipur)	Khushi Clinic, Jaipur, Rajasthan-303805	12-01-2020
2	Kanpur	Muskan Clinic, Transport Nagar, Kanpur-208023	12-01-2020
3	Haldia	Khushi Clinic, Purba Medinipur-721657	14-01-2020
4	Dobbaspeta	Khushi Clinic, Bangalore Rural-562111.	17-01-2020



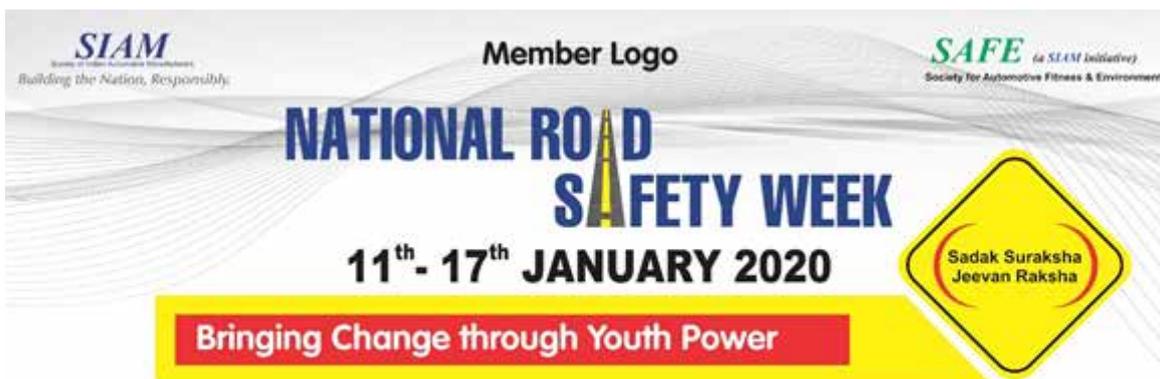
## National Road Safety Week 2020

### 31<sup>st</sup> National Road Safety Week 2020 from 11<sup>th</sup> – 17<sup>th</sup> January 2020

It is a matter of great concern that over 1.5 lakh people lose their lives every year in India due to road crashes and many more suffer severe injuries. These crashes cause immense emotional trauma to the affected family. Every year Ministry of Road Transport and Highways observes the National Road Safety Week. In 2020, MoRTH observed it from 11<sup>th</sup> – 17<sup>th</sup> January 2020.

Ministry of Road Transport and Highways requested all stakeholders to plan and execute road safety programs during National Road Safety Week across the nation from 11<sup>th</sup> – 17<sup>th</sup> Jan 2020.

SAFE along with members and other supporting organisations organised various campaigns from 11<sup>th</sup> – 17<sup>th</sup> January 2020.



**SAFE- SIAM implementing following:**

**Activities with MoRTH**

Sl. No.	Activity	Date	Location
1	Inaugural of National Road Safety Week	13 <sup>th</sup> January 2020	Vigyan Bhawan New Delhi
2	Seminar on New Technologies playing a Pivotal Role in Building Safe Mobility	14 <sup>th</sup> January 2020	India Habitat Centre, New Delhi

**Activities by SIAM**

Sl. No.	Activity	Date	Location
1	Road Safety Walkathon	11 <sup>th</sup> Jan 2020	India Gate, New Delhi
2	Seminar on Road Safety, Knowledge partner SAFE-SIAM	17 <sup>th</sup> Jan 2020	Ranchi, Jharkhand
3	Interaction programs at Road Intersections 20 locations	11 <sup>th</sup> - 15 <sup>th</sup> Jan 2020	New Delhi
4	Refresher Training Program for Three Wheeler Drivers	15 <sup>th</sup> Jan 2020	IDTR, Loni
5	Refresher Training Program for Heavy Commercial Vehicle Drivers	16 <sup>th</sup> Jan 2020	IDTR, Burari
6	Road Safety Awareness Programs with School & College Students and Drivers (more than 20 programs)	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Orissa
7	Road Safety Awareness Programs with School & College Students and BEST and Police Drivers (10 programs)	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Mumbai, Maharashtra
8	Road Safety Awareness Programs with School & College Students and Drivers (8 - 10 Programs)	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Pondicherry
9	Road Safety Awareness Programs with School & College Students (5- 8 Programs)	Feb 2020	Rajasthan
10	Eye Check Up Camps at Toll Plazas	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	10 Toll Plazas

### Activities along with members

Sl. No.	Activity	Date	Location
1	Road Safety Programs with Eicher Motors (140 Programs)	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	20 cities in India
2	Road Safety Programs with Volvo	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Karnataka , HP
3	Road Safety Code of Conduct Awareness Drive with Mahindra and D2S	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	All over india
4	Road Safety Health Check up of Heavy Commercial Vehicle Drivers with Mahindra and TCI Foundation	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	20 Truckers Hub Locations
5	Road Safety Refresher Workshop for of Heavy Commercial Vehicle Drivers with Mahindra and TCI Foundation	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	20 Truckers Hub Locations
6	Eye Check UP Camp at 8 - 10 Locations with Eicher and Dr Shroff's Charity Eye Hospital	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	10 locations in different cities
7	Road Safety Activities with HeroMoto Corp	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
8	Road Safety Activities with Toyota	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
9	Road Safety Activities with HeroMoto Corp	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
10	Road Safety Activities with Honda Motorcycle	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
11	Road Safety Activities with Mahindra & Mahindra Ltd	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
12	Road Safety Activities with Maruti Suzuki	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
13	Road Safety Activities with Ashok Leyland Ltd	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
14	Road Safety Activities with Fiat	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
15	Road Safety Activities with Renault Nissan	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
16	Road Safety Activities with Bajaj Auto Ltd	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations
17	Road Safety Activities with Volkswasegen Ltd	11 <sup>th</sup> - 17 <sup>th</sup> Jan 2020	Dealers Locations







## 3<sup>rd</sup> Global Ministerial Conference on Road Safety February 2020



Shri Nitin Gadkari, Hon'ble Minister for Road Transport & Highways, Government of India represented India at the 3<sup>rd</sup> Global Ministerial Conference on Road Safety in Stockholm (Sweden). From India many representatives from Corporates, Government sector, Academia and NGOs also joined the program.

- It is organised by the World Health Organization (WHO) in association with the World Bank and minister-led delegations from more than 80 countries.

### Key Points

The theme of the conference is 'Achieving Global Goals 2030'.

### Objectives:

It intends to bring road safety on the global agenda and renew the world community's commitment to safer roads.

- It also aims to define ways to accelerate action on proven strategies to save lives.

### Highlights:

- The conference adopted the "Stockholm Declaration" which calls for a new global target for road safety for 2030 and a set of innovative solutions to save lives on the world's roads.
- It also aims to share successes and lessons from the implementation of the Global Plan for the Decade of Action for Road Safety 2011–2020.
- India has reaffirmed its commitment to the United Nations goal set under the UN Decade of Action of drastically reducing road accidents by the year 2030 during the event.

## Numerics on Road Accidents

### Worldwide Scenario:

- Number of Deaths: The number of deaths on the world's roads remains unacceptably high, with an estimated 1.35 million people killed each year.
- Leading Cause of Deaths: Road traffic crashes are the eighth leading cause of death globally for people of all ages, and the leading cause of death for children and young adults aged 5–29 years.
- Economic Burden: The road accidents cost countries around 3% of their respective GDP.

### National Scenario:

- Number of Deaths: It kills almost 1.5 lakh people annually in India.
- Drastic Drop: The accidents, as well as accident-related deaths in the period 2010-2018, dropped drastically compared with the previous decades.
- Severity: The road accident severity (the number of persons killed per 100 accidents) has increased by 0.6% in 2018 compared to 2017.

## Global Initiatives for Road Safety

### Brasilia Declaration on Road Safety

- The declaration was signed in 2015 at the second Global High-Level Conference on Road Safety held in Brazil. The first conference was held in Russia (2009).
- Through the Brasilia Declaration countries plan to achieve the Sustainable Development Goal 3.6 i.e. to half the number of global deaths and injuries from road traffic accidents by 2030.
- The United Nations has also declared 2011-2020 as the decade of action for Road Safety.

## National Initiatives for Road Safety

### 4 E's for Road Safety:

- Ministry of Road Transport & Highways had formulated a multi-pronged strategy based on 4 `E's – Education, Engineering, Enforcement, Emergency Care.
  - Education: Awareness is generated through various Road Safety Campaigns utilizing audio-visual and other print media and through NGOs.
  - Engineering: The engineering measures are considered essential for adoption to help in improving road safety leading to reduction of accidents.

- **Enforcement:** The enforcement of road transport-related rules and regulations (like The Motor Vehicles Act 1988 and Central Motor Vehicles Rules 1989) is an important aspect to ensure road safety.
- **Emergency Care:** The scheme like National Highway Accident Relief Service Scheme (NHARSS) has been implemented to provide cranes and ambulances to States/UTs/NGOs for relief and rescue measures in the aftermath of accidents.

### Justice K.S. Radhakrishnan Committee

- Supreme Court had set up the three-member KS Radhakrishnan panel on road safety in 2014. The SC had termed the roads in India as “giant killers”.

### Motor Vehicles Amendment Act, 2019

- It hikes the penalties for traffic violations, defective vehicles, juvenile driving, etc.
- It provides for a Motor Vehicle Accident Fund, which would provide compulsory insurance cover to all road users in India for certain types of accidents.
- It also provides for a National Road Safety Board, to be created by the Central Government through a notification.
- The act also provides for the protection of good samaritans.



## CSR Based Interventions Post COVID 19 Pandemic

### 2019-2020 : SIAM – SAFE stayed on course to supporting society

Environment protection and Road Safety are matters of urgent public health and developmental import. Environment protection is the practice of protecting the natural environment by individuals, organisations and governments. SIAM and SAFE are relentlessly working on disseminating knowledge and encouraging behavioural change for a greener environment.

While we persevered on our mission, the outbreak of the COVID-19 pandemic impacted the society from March 2020 onwards.

#### Hygiene Kit Distribution to Commercial Vehicle / Truck Drivers

SAFE with the support of Eicher Group Foundation, Dr Shroff's Charity Eye Hospital and Delhi Traffic Police found that during this pandemic situation, our Safety Warriors (Commercial Vehicle Drivers) were assisting general public by transporting goods on time. During that period launched "Social Emergency Situation program" and distributed 2500 hygiene kits (a set of 10 masks, 1 sanitizer and 1 hand wash) to commercial vehicle drivers and helpers from 12<sup>th</sup> April 2020 to 16<sup>th</sup> April 2020.

This campaign covered Sanjay Gandhi Transport Nagar and all Delhi's border areas viz. Singhu Border, Badarpur Border, Palam Vihar, Dundahera, Kapasheda, Rajokari and Bajghera Border.



## Feed the Trucker during COVID 19 Pandemic

In the wake of Covid19 many vulnerable communities in India were struggling to find essentials such as food and hygiene items. One of the worst hit are truck drivers who are stranded on the road or in transport hubs.

In response to situation, SAFE and Synergy launched a Project "FEED A TRUCKER" a collaborative platform bringing together Corporates, Transport Associations, Civil Society and city Police, for regular supply of essentials to stranded drivers.

The key highlights of the project were as follows:

- Traceability and monitoring using digital dashboards (Synergie Insights)
- Cooked Food distribution for commercial vehicle drivers
- States covered Delhi, Punjab, Karnataka and Maharashtra

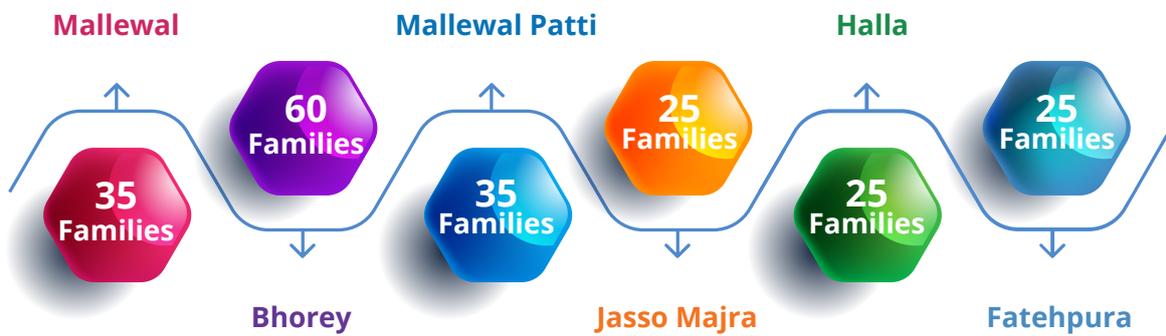


## Traffic Warriors assistance

SAFE and Synergy provide assistance to our on ground traffic police warriors by providing them 500 sets of hand gloves and sanitizers for their safety from COVID.

**Ration Supply to Economic Weaker section Farmers at Punjab**

SAFE, SIAM and CII received an request from Village Nabha, Punjab for arranging the 255 ration kits for distribution among the below poverty line farm workers who needed support during the ongoing hardship due to COVID-19 in Jasso Majra area in Patiala District of Punjab. SAFE -SIAM, after examining the proposal, decided to provide 255 kits to families as requested by their respective Sarpanches of following villages:



Ration kits contain items of grocery/hygiene viz. Atta, Rice, Dal, Salt, Sugar, Oil, Soap, Tea and Masala. SAFE member M/s SML Isuzu Ltd., Chandigarh sponsored this initiative and provided with the ration kits and distributed to needed workers.



## Leadership of SAFE

### Office Bearers

Member Represented	Name
Bajaj Auto Ltd.	Mr Anupam Shrivastava (President)
Maruti Suzuki India Ltd.	Mr Mahesh Rajoria (Vice President) (Retd in Dec 2019 from Maruti Suzuki India Ltd)
Volkswagen India Pvt. Ltd.	Mr Pankaj Gupta (Treasurer)
Ashok Leyland Ltd.	Mr D Balakrishnan
Hero MotoCorp Ltd.	Mr Harjeet Singh
Tata Motors Ltd.	Mr Arvind Bodhankar
SML Isuzu	Mr Naval K Sharma
Mahindra & Mahindra	Dr Venkat Srinivas

### Honorary Members nominated from Affiliate Organizations

ARAI	Mrs. Rashmi Urdhwareshe
CIRT	Capt. R. B. S. Patil, CIRT
IIP	Dr. Anjan Ray
Suraksha	Mrs. Usha Seshasayee
SIAM	Mr Vishnu Mathur (September 2019) Mr Rajesh Menon (October 2019)
SAFE Past President	Mr Naveen Soni
SAFE Past President	Dr N Saravanan

### SAFE Ordinary Members

Ashok Leyland Limited	LML Limited
Bajaj Auto Limited	Maruti Suzuki India Limited
Daimler India Commercial Vehicles Private Limited	Mahindra & Mahindra Limited
Central TVS	Mercedes Benz India Private Limited
Force Motors Limited	Simpson & Co. Limited
Eicher Motors Limited	Skoda Auto India Private Limited
Greaves Cotton Limited	Tata Motors Limited
Hindustan Motors Limited	Toyota Kirloskar Motor Limited
Hero MotoCorp Limited	TVS Motor Company Limited
Honda Motorcycle and Scooter India Private Limited	Volvo Buses India Private Limited
Isuzu Motors India Private Limited	Volkswagen India Private Limited

### Past Presidents of SAFE

Year	President	Vice President	Treasurer
1999-2000	Mr. R. Ramakrishnan	Dr. K. Kumar	Mr. Harjeet Singh
2000-2001	Mr. R. Ramakrishnan	Dr. K. Kumar	Mr. Harjeet Singh
2001-2002	Mr. M. N. Muralikrishna	Mr. R. K. Ghosh	Mr. Harjeet Singh
2002-2003	Mr. M. N. Muralikrishna	Mr. R. K. Ghosh	Mr. Harjeet Singh
2003-2004	Mr. N. V. Iyer	Mr. Harjeet Singh	Mr. S. Purushothaman
2004-2005	Mr. K. N. Krishnamurthy	Mr. Harjeet Singh	Mr. S. Purushothaman
2005-2006	Mr. K. N. Krishnamurthy	Mr. Harjeet Singh	Mr. R. M. Kapoor
2006-2007	Mr. R. Devarajan	Mr. Harjeet Singh	Mr. I. V. Rao
2007-2008	Mr. R. Devarajan	Mr. Harjeet Singh	Mr. I. V. Rao
2008-2009	Mr. Harjeet Singh	Mr. I. V. Rao	Mr. S. V. Suderson
2009-2010	Mr. Harjeet Singh	Mr. I. V. Rao	Mr. S. V. Suderson
2010-2011	Mr. I. V. Rao	Mr. S. V. Sunderson	Mr. V. M. Manel
2011-2012	Mr. I. V. Rao	Mr. S. V. Sunderson	Dr. Venkat Srinivas
2012-2013	Mr. S. V. Suderson	Dr. Venkat Srinivas	Mr. Anupam Shrivastava
2013-2014	Mr. S. V. Suderson	Dr. Venkat Srinivas	Mr. Anupam Shrivastava
2014-2015	Dr. N Saravanan	Mr. P K Banerjee	Mr. Anupam Shrivastava
2015-2016	Dr. N Saravanan	Mr. Naveen Soni	Mr. Anupam Shrivastava
2016-2017	Dr. N Saravanan	Mr. Naveen Soni	Mr. Anupam Shrivastava
2017-2018	Mr. Naveen Soni	Mr. Anupam Shrivastava	Mr. Mahesh Rajoria
2018-2019	Mr. Naveen Soni	Mr. Anupam Shrivastava	Mr. Mahesh Rajoria
2019-2020	Mr. Anupam Shrivastava	Mr. Mahesh Rajoria	Mr. Pankaj Gupta

***SAFE*** (a *SIAM* initiative)

**Society for Automotive Fitness & Environment**

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