



WEBINAR SERIES

ROAD SAFETY CHALLENGES IN INDIA AND PREPARATION OF AN ACTION PLAN



**IRF-India Chapter warmly invites you to the
9th Webinar on Education & Campaign
for Promoting Road Safety**

Wednesday 22nd September 2021 at 16:30 – 18:45 hrs (IST)

Road Safety Education as part of Driver
Licensing & for Policy Planners

Road Safety in Eco-System

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Picture speaks thousand words

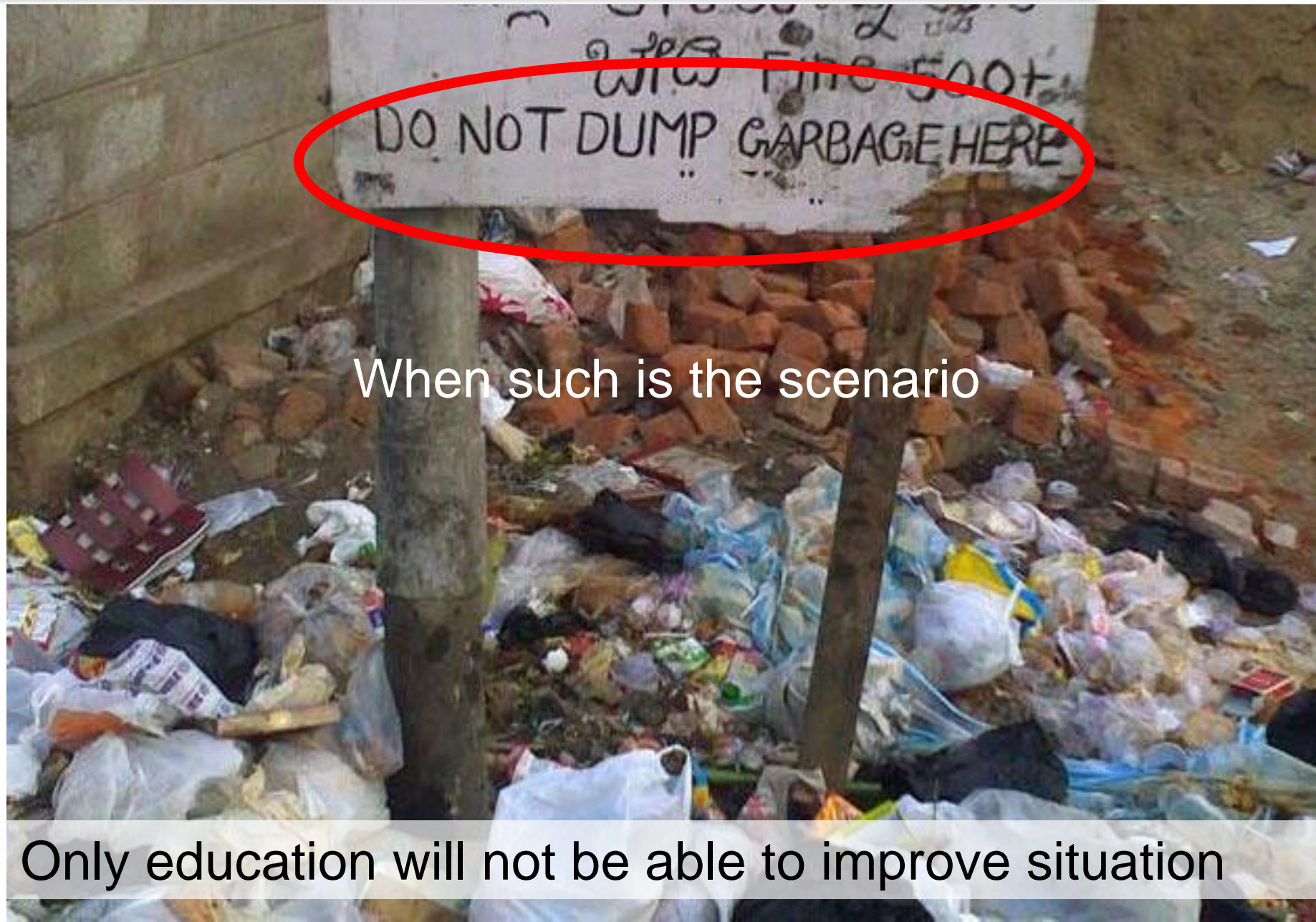
Therefore, to have better understanding of status I
have used photos that are either taken by me or
received from various resources



**IN OUR COUNTRY,
YOU HAVE TO LOOK BOTH WAYS
TO CROSS A ONE-WAY ROAD.**

ALSO BREAKING RULES IS SENSE OF PRIDE

General environment – Another example



When such is the scenario

Only education will not be able to improve situation

Agenda of presentation

Road Safety Requirements – an overview

Safety habits in eco-system – A Study

Major knowledge points related to road safety

Counter measures suggested

4.5 lakh road accidents take place annually, and the major reasons identified are driver's fault and vehicle

If accidents are prevented, will reduce fatalities also

For driver & vehicle improvement,
action is required at root level to ensure that Driver is
skilled (driving skill plus other needs) and Vehicles are fit in
all respects

In my opinion

If sincere enforcement, like Singapore, is implemented

80% license can be cancelled on first day
and more than 40% vehicles can go off road
and

On 2nd day, I can't say

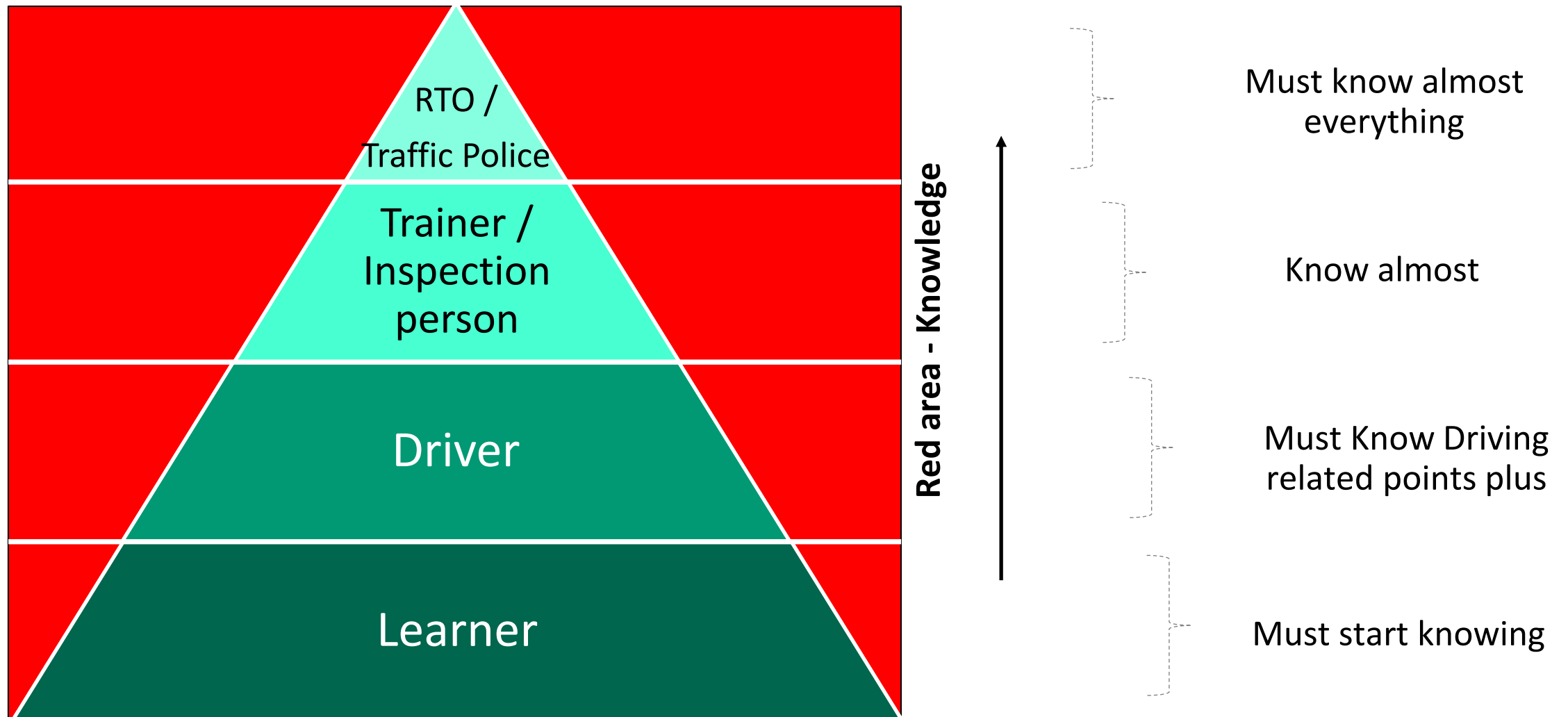
Education is the key

But considering first two situations, we need a systematic enforcement system also that will go hand in hand with it

I have tried to cover some examples of synchronized approach

(Pls. note enforcement here does not mean challan system)

Knowledge matrix



Shades of green - Various stake holders

There is always a scope of knowing more

Basic rules defined in law for Road Safety

1. Rule 15: Driving test process for permanent License issuance i.e. driving skill
2. Rule 62: Vehicle fitness testing – Applicable for commercial vehicles at present

And responsibility to ensure implementation is with RTO office
Traffic Police is also an agency on road to support RTO

Driving test checks for skill & ensure safe driving. Some points for testing are:

- Driving skill
- Use of fit vehicle in efficient way
- Follow law while driving
- Safe use of road infrastructure

To ensure vehicle is fit and can be driven safely, few major systems considered for this session are as below:

- Emission
- Headlight Beam
- Suspension – Steering - Slide slip
- Brake
- Visual Inspection (complete vehicle)

I will try to relate these systems with road safety scenario

What is to be covered during driving training is well defined
in Rule 31

But driving training is not mandatory by law for private vehicles (2W & Car or LMV) and with private LMV license one can drive small commercial vehicles

So, most drivers don't go through formal education

Knowledge test during license process is just a formality

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Safety habits

“A Study”

Influenced behavior in environment



Almost 2.5 lanes out of 4 available have been blocked by passengers waiting for bus

In this situation, where driver will stop the bus, and if in last lane will create traffic jam

Taking short cuts is safety evil





If no actions towards safety for day to day – then??

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**Let's evaluate
environment**

Some systems & their relevance during driving & Inspection

- Emission
- Headlight Beam
- Suspension – Slide slip - Steering
- Brake
- Physical condition (above & under carriage)

Engine condition overlooked



With fit engine, one can drive vehicle smoothly with efficiency and will not face problem of stalling abruptly

Unfit engines cause pollution and may loose power to drive

It harms life in environment

Enforcement agencies are created to ensure its implementation

Some systems & their relevance during driving & Inspection

- Emission
- Headlight Beam
- Suspension – Slide slip - Steering
- Brake
- Physical condition (above & under carriage)

Using non-standard equipment

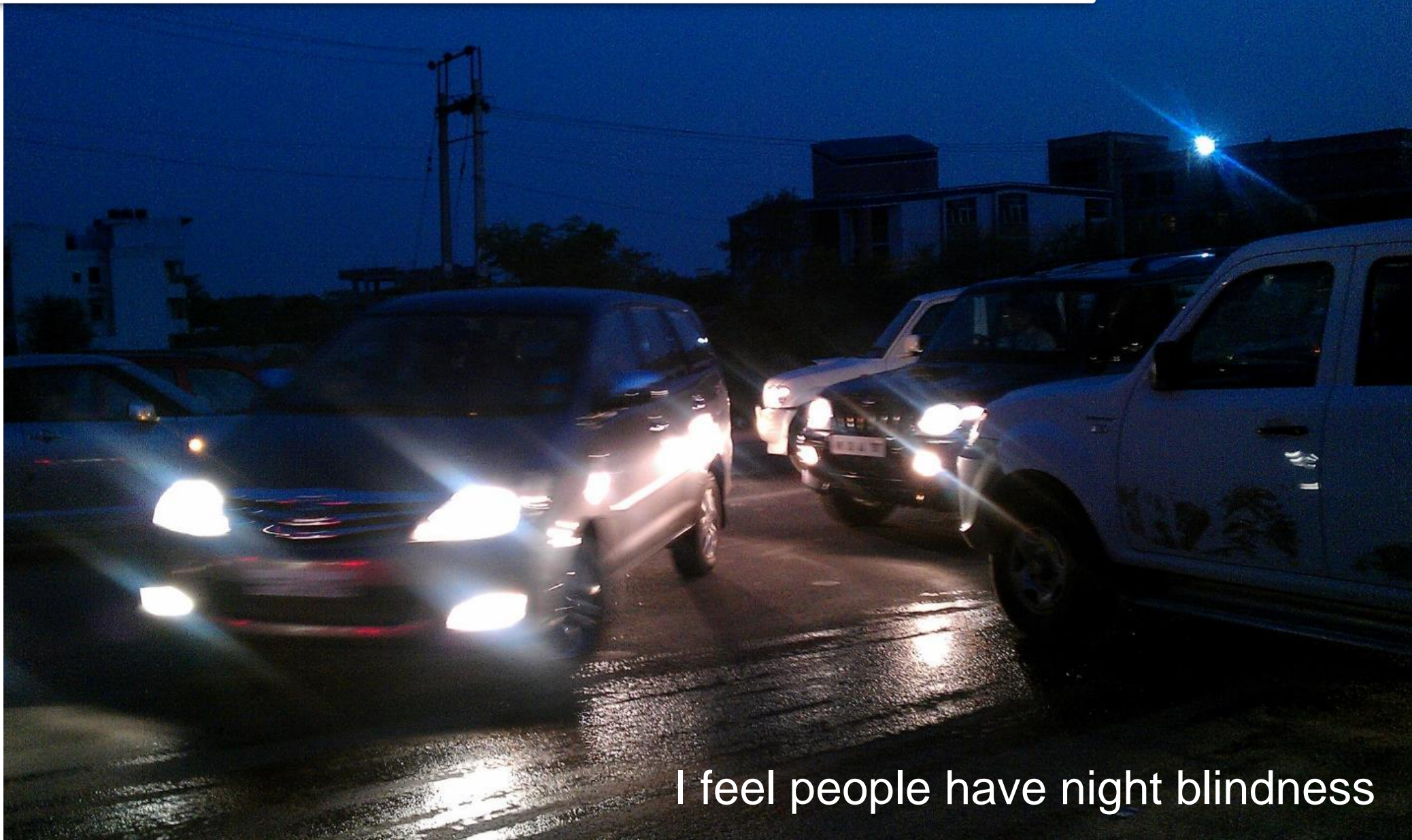
Such misuse causes dangerous driving condition by making other drivers blind

Even if standard lights are not aligned, frontal vision will not be proper



Observe glare

Know how to use the equipment



I feel people have night blindness

Some systems & their relevance during driving & Inspection

- Emission
- Headlight Beam
- Suspension – Side Slip - Steering
- Brake
- Physical condition (above & under carriage)

Result of overloading



- Who can prevent damage to vehicle's suspension?
 - Who is worried about steering control loss
 - Will driver be able to stop the vehicle in emergency
-
- Who will be responsible for any mishap resulting injuries to people

Greed to earn extra money



But who is ensuring law abiding

Some systems & their relevance during driving & Inspection

- Emission
- Headlight Beam
- Suspension – Side Slip - Steering
- Brake
- Physical condition (above & under carriage)

Meaning of good vehicle condition



Rear view blocked

This is to damage
other vehicles



Light missing



Damaged body
- What more this
vehicle can loose

Who is bothered about vehicle condition



Provided to damage other vehicle?
Driving in overtaking lane also,
blocking traffic



What more these vehicle can loose

Covering critical components



It also shows Disrespect of law

FEW MORE EXAMPLES OF NOT HAVING KNOWLEDGE

People start using hazard lights during driving in rain/fog etc., this include even enforcement agencies

They don't even know which light to be used in various situations

Need to adhere basic behavior

People start changing lane by giving turn signal without considering other vehicles already in lane or start occupying space other vehicle has left in front as safety precaution

They don't even bother for traffic already on road while taking turn

Also, it is not their right to change lane or take turn despite turn signal is given

And for them definition of lane is space around their vehicle and belongs to them

Who is bothered to correct situation



These vehicles create jam by taking wrong lane.

But when traffic police start allowing vehicles to clear jam, such vehicles get priority also

- Attitude is leading to this behavior
- Neither care for hazards nor for others
- **No one is stopping them on road while being used**

➡ **Enforcement is needed despite Education**

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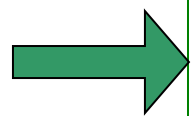
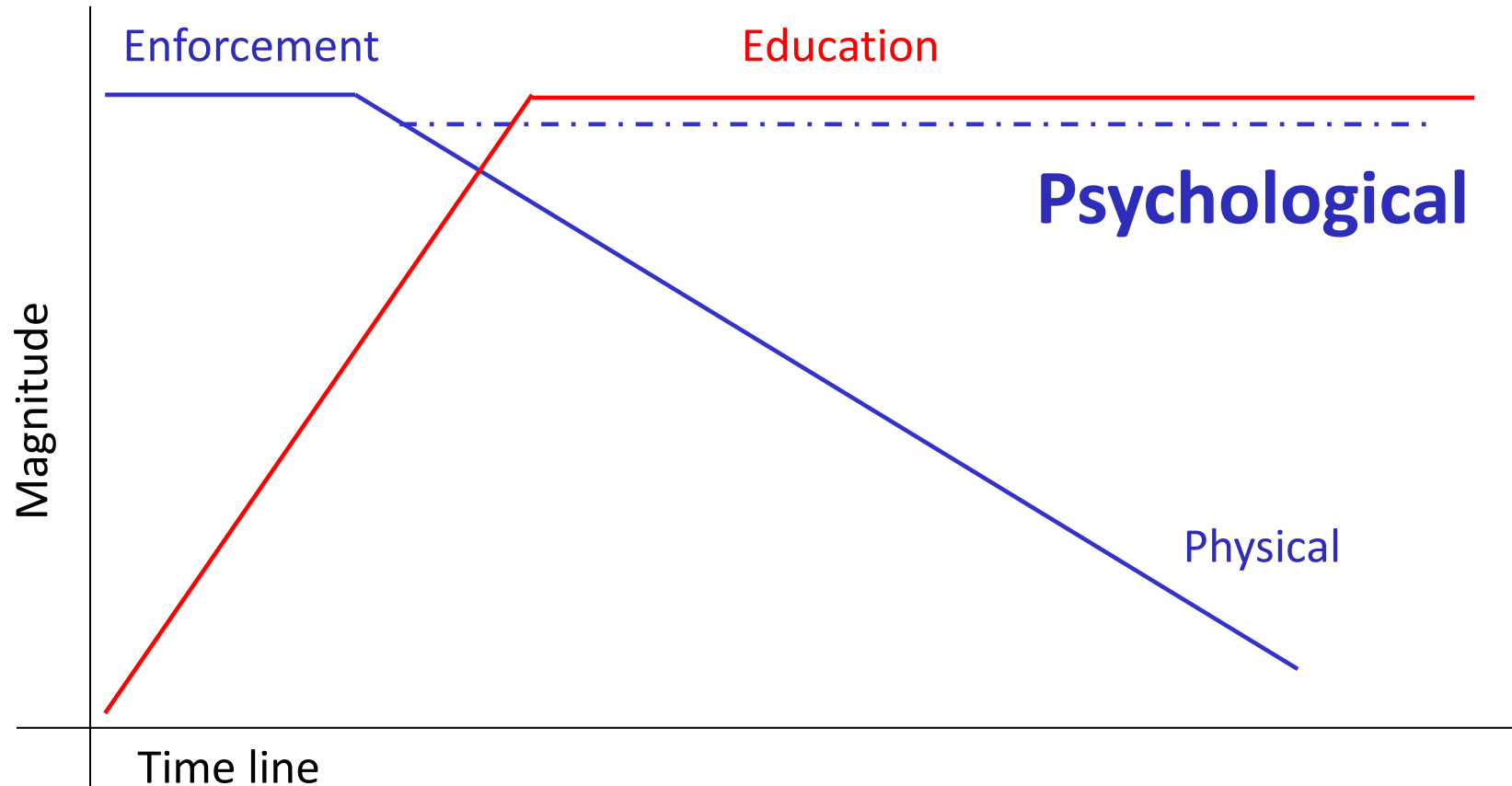
Counter measures suggested

**Need of time
Use Automatic
Process**

- Driving Education should be mandatory and sincere testing under Rule 15
 - This is the only long-term alternative

- Rule 62: Enforcement through automatic testing equipment
 - Keep vehicle's data intact
 - Performance parameters are checked with accuracy
 - External finish should also be recorded for records

How to address both



1. Start education system and increase its magnitude
2. Change from Physical to Psychological enforcement

If Road Safety is the mission, then:

- External inspection should be strict and

**“NO DAMAGED VEHICLE SHOULD BE ALLOWED
TO PLY ON ROAD”**

- This rule should get implemented for every vehicle on road irrespective of category

The repair should be proper so that vehicle looks as new

Painting by brush and improper dent repair should not be accepted

- Due to high cost of repairs and no permission to use damaged vehicle, drivers will avoid any accident
- And reduced number of accidents means less fatalities

➡ Create transparent process focusing road safety

One suggestion for Fuel conservation

If volume of vehicles increase, traffic police start operating signals manually & it results increase in vehicle's waiting time at every side and create jam – even increased time by 5 sec matters

Time has come to use Technology by considering number of vehicles lined up in each direction to decide signal timing and

There is well defined scientific process to decide the timings based on vehicle volume

WE WISH YOU

“A safe travel from home to home”

