

## VEHICULAR EMISSION TESTING SYSTEM

Rising number of vehicles are major source of emissions and smoke. Over period of time the pollution level has increased drastically with the traffic load. In Pakistan, this problem is also becoming very serious with the increase in vehicle population.

To overcome this problem, Pakistan Environmental Protection Agency (Pak-EPA), under Pakistan Environment Programme (PEP), supported by Royal Netherlands Embassy (RNE) started the “Vehicular Emission Testing System (VETS)” at Islamabad. This activity was launched on 14<sup>th</sup> April. For this purpose, Pakistan Environmental Protection Agency (Pak-EPA) collaborated with Islamabad Traffic Police to run a campaign against smoke emitting vehicles.

### Objectives of Vehicular Emission Testing System (VETS)

To control the pollution by checking smoke emitting vehicles plying on roads of Islamabad Capital Territory (ICT)

1. To reduce excessive emission by providing counseling/guidance to common peoples to maintain their vehicles in proper condition.
2. To create awareness among public about smoke emission and its contagious effect on human health.
3. To sensitize citizens for protecting the natural environment.

Monitoring Team started with the checking from police vehicles and 151 police vehicles were checked by the team this was followed by daily checking of both public and private sector vehicles at different spots of Islamabad and also participated in various activities planed for the awareness campaign.

Diesel and petrol vehicles are tested for smoke opacity, CO, CO<sub>2</sub>, NO and HC respectively. The measured values of these parameters are then compared with National Environmental Quality Standards (NEQS) and vehicles are termed as pass or fail depending upon whether they comply with NEQS or not. After successful test of vehicle with VET equipment, a Green/Red Sticker is issued to vehicles. Vehicles which are found to violate NEQS are challaned 500/- Rupees by Islamabad Traffic Police constables, using Motor vehicle Rules as legal basis support. A VETS software (database) was developed for this purpose to fed the gathered information in database on daily basis to maintain the record.

**Green Sticker**



**Red Sticker**

