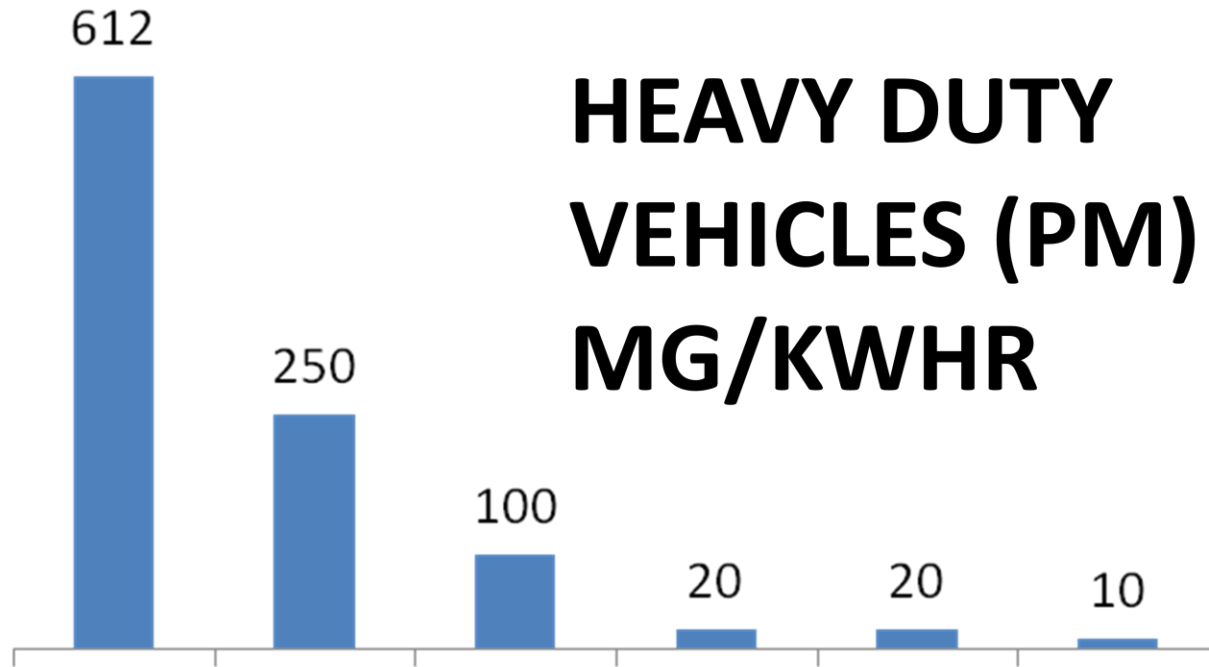
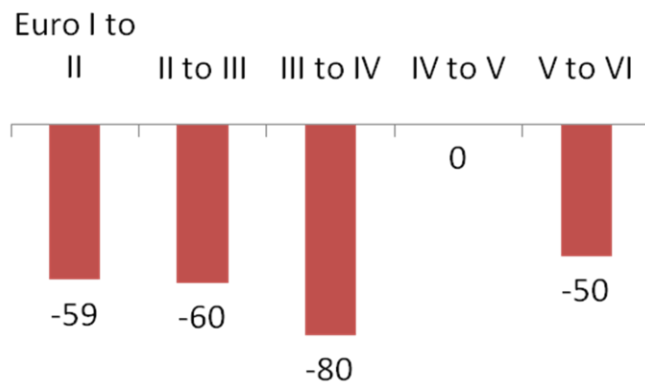


# HEAVY DUTY VEHICLES (PM) MG/KWHR



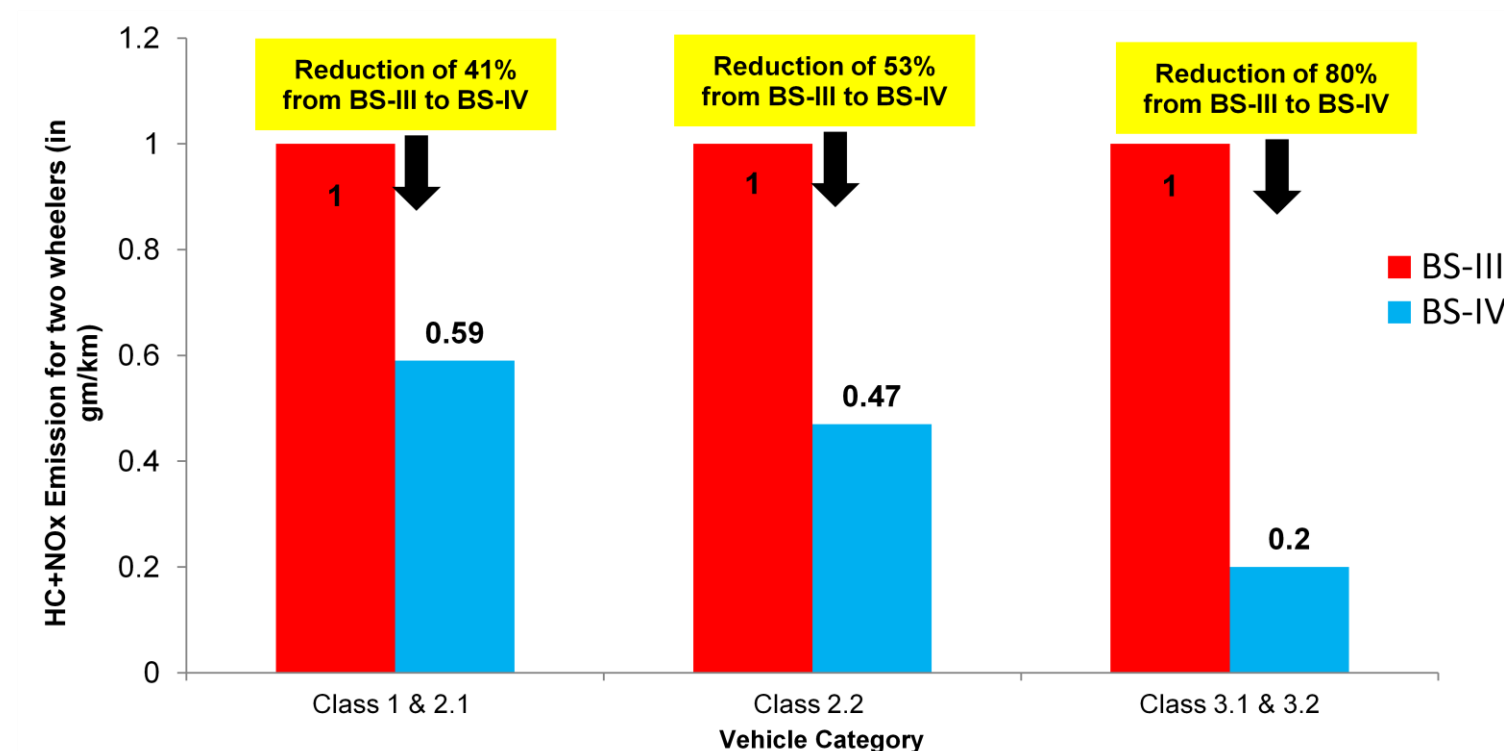
## PM % reduction



**In heavy duty vehicles there is a 80% reduction in PM emissions between Euro 3 to Euro IV**

**Then further reduction in Euro 6**

**Graph: Reduction in HC+NOx emissions in Two-wheelers from BS-III to BS-IV**

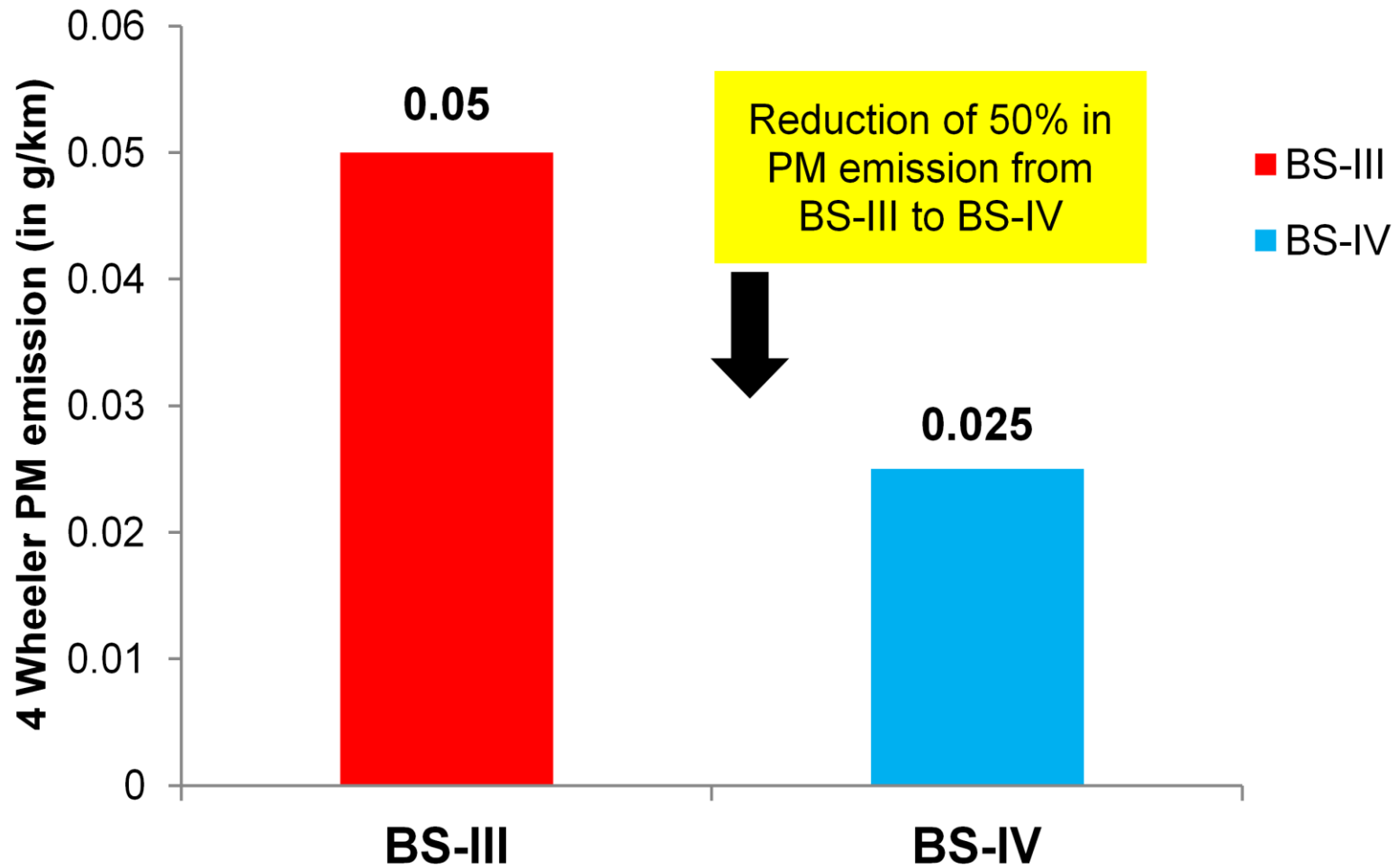


Source: 2017, Indian Emission Regulation Booklet, ARAI

**Note:**

- Class 1 vehicle: Engine capacity above 50cc but less than 150cc and vehicle maximum speed equal to or less than 50 km/h OR engine capacity less than 150 cc and vehicle maximum speed more than 50 km/h but less than 100 km/h.
- Sub Class 2.1 vehicle: Engine capacity less than 150 cc and vehicle maximum speed equal to or more than 100 km/h but less than 115 km/h OR engine capacity 150 cc and above and vehicle maximum speed less than 115 km/h
- Sub Class 2.2 vehicle: Any engine capacity and vehicle maximum speed equal to or more than 115 km/h but less than 130 km/h
- Sub 3.1 vehicle: Any engine capacity, vehicle maximum speed equal to or more than 130 km/h but less than 140 km/h
- Sub Class 3.2 vehicle: Any engine capacity and vehicle maximum speed equal to or more than 140 km/h

**Graph: Reduction in PM emissions in diesel 4-wheelers from BS-III to BS-IV**



Source: 2017, Indian Emission Regulation Booklet, ARAI