

Organised by



Supported by



## AWARENESS WORKSHOP ON ELECTRIC SCHOOL BUSES



06 November 2024  
10 am onwards



Energy Management Centre Kerala,  
Srikrishna Nagar, Sreekaryam,  
Thiruvananthapuram-695017

**Fee:** Free of cost

**Attendance:** In person (offline)

### About the Event

The Energy Management Centre (EMC) Kerala with support from the Center for Study of Science, Technology and Policy (CSTEP), Bengaluru, is conducting a district-level workshop in Thiruvananthapuram and Kochi for schools to raise awareness about electric school buses.

School buses enable vital and timely commutes between residences and educational institutions for both students and faculty. However, these school buses are predominantly run on diesel and have adverse effects on children's health (carcinogenic exhaust fumes) and the environment. To mitigate these impacts, schools around the world are transitioning to cleaner vehicle technologies including electric buses with zero tailpipe emissions. **This workshop aims to raise awareness about the health, environmental, and economic advantages of electric school buses and the associated challenges.**

We invite your esteemed educational institution to this workshop featuring various electric bus manufacturers and charging point operators. We request you to delegate personnel (preferably the Bus Operations Manager at your institution) to represent your school at this in-person workshop.

**Kindly RSVP: <https://tinyurl.com/EMCinvite>**



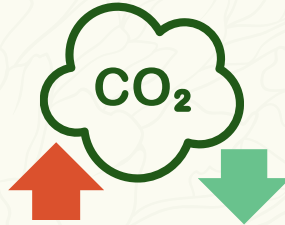
Mr M K Mehaboob, Program Co-ordinator, EMC Kerala (+91-7025048153)  
Mr Vivek Gavimath, Senior Analyst, CSTEP, Bengaluru (+91-080-66902500)

# 100% LITERACY TO 100% CLEAN ELECTRIFYING SCHOOL BUSES IN KERALA



## DIESEL SCHOOL BUSES

- High CO<sub>2</sub>, NO<sub>x</sub>, and PM<sub>2.5</sub> emissions
- High noise pollution



## ELECTRIC SCHOOL BUSES

- No tailpipe emissions
- Silent operations

- Pollution causes respiratory diseases
- Fumes are carcinogenic and harmful



No health hazards

- Refuelling frequency is 1-2 times per week
- Refuelling duration is 10-15 minutes



- Charging frequency is every day
- Recharging duration is minimum 1 hour

- Low purchase cost (INR 18-35 lakh)
- High operational cost (INR 12-18/km)



- High purchase cost (INR 0.8-1 crore)
- Low operational cost (INR 5-10/km)