

7% Better Mileage, Proven Over 219,793 km of Real Fleet Operation

Field Case Study | Tipper & Long-Haul Fleets, Tamil Nadu, India | Sep 2025 – Aug 2026

THE CHALLENGE

For Indian fleet operators, diesel is roughly half of total freight cost. With fuel prices climbing about 10% a year, even a single percentage point of mileage decides whether a truck runs profitably. Operators have seen many "fuel saver" claims — what they have not seen is proof from their own trucks, on their own routes, for long enough to matter.

THE TRIAL

Two independent fleets — **PS Blue Metals** (aggregate tippers) and **Mumbai Carriers** (long-haul) — fitted the Greentech Fuel Saving Device on four heavy commercial vehicles. Baseline mileage was taken from each fleet's own fuel-filling and odometer registers before installation, then tracked month by month for up to 13 months. No route, load or driver changes were made.

+7.2%

Average mileage improvement across all four vehicles

4,724 L

Diesel saved during the monitored period

₹4.69 Lakh

Fuel cost avoided at the fleets' own diesel price

2.4-3.1

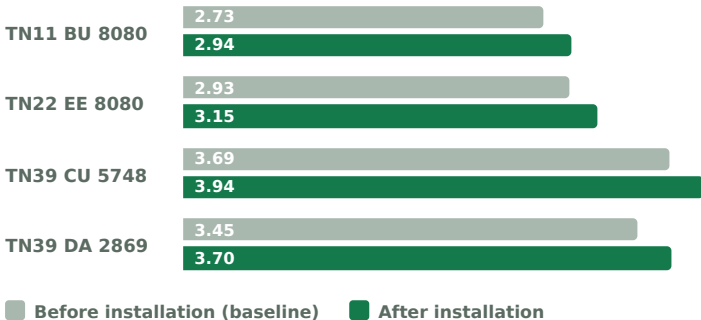
Months to recover the device cost (payback)

VERIFIED RESULTS — FOUR VEHICLES, TWO FLEETS

FLEET	VEHICLE	MONITORED	KM RUN	BEFORE (KMPL)	AFTER (KMPL)	GAIN	DIESEL SAVED (L)	VALUE SAVED (₹)
PS Blue Metals	TN11 BU 8080	9 months	63,086	2.73	2.94	+7.7%	1,622.7	1,62,275
PS Blue Metals	TN22 EE 8080	81 days	24,713	2.93	3.15	+7.5%	578.5	54,379
Mumbai Carriers	TN39 CU 5748	65 days	25,097	3.69	3.94	+6.8%	434.4	43,435
Mumbai Carriers	TN39 DA 2869	13 months	106,897	3.45	3.70	+7.2%	2,088.0	2,08,797
TOTAL — 4 VEHICLES			219,793	—	—	+7.2% avg	4,723.6	4,68,886

BEFORE VS. AFTER · RETURN ON INVESTMENT

Mileage per vehicle (km per litre)



TYPICAL PAYBACK

< 3 months

Savings of ₹16,000–20,400 per truck per month against a one-time device investment.

- TN39 DA 2869 held 3.70 kmpl across 13 months and 106,897 km — the gain does not fade.
- Every vehicle improved between +6.8% and +7.7% — a repeatable result, not a one-off.
- Approx. 12.7 tonnes of CO₂ avoided, supporting fleet emission targets.

HOW THESE FIGURES WERE DERIVED

Savings = (km run after installation ÷ baseline kmpl) – actual diesel filled after installation, valued at each fleet's own diesel purchase price (₹94–₹100 per litre). All distance and fuel data are taken from the customers' own trip sheets and fuel-filling records; Moletech and Alga did not control the vehicles during the trial. Individual results vary with vehicle condition, load, route and driving pattern. CO₂ figure calculated at 2.68 kg per litre of diesel. Payback illustrated against the D51 list price of ₹50,000 incl. GST.

Greentech Fuel Saving Device — Model D51

Manufactured in Kaohsiung, Taiwan by Moletech International Technology Ltd.
For diesel vehicles with fuel tanks up to 500 L · 1-year replacement warranty

Authorised Distributor — India

Alga Engineering Solutions LLP, Chennai
Manufacturer enquiries: order@greentech.tw · www.greentech.bz