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QUALITY ASSURANCE DEPARTMENT

BENEFITS OF BIODIESEL

- 1. Biodiesel reduces 100% CO₂ emission**
- 2. Biodiesel reduces smoke due to soot free and complete combustion.**
- 3. Biodiesel reduces hydrocarbon emission**
- 4. Biodiesel reduces carbon monoxide emission**
- 5. Biodiesel is safe for transport due to high flash point.**
- 6. Biodiesel is safe for handle as it is bio-degradable and non-toxic.**
- 7. Biodiesel is renewable energy sources**
- 8. Biodiesel promotes rural development.**

The comparative study report for the HSD & Biodiesel (PME)

S.No	Parameter	HSD (Petro Diesel)	PME Bio Diesel
1	Cetane No	45	58 - 62
2	Carbon Residue % mass	0.35	<0.05
3	Flash Point °C	60	>145
4	Sulphur Content% mass	0.25	0.0000
5	Viscosity@40°C cSt	1.8-5.0	4.5-4.8
6	Calorific Value Kcal/kg	10700	9600
7	Density@15°C kg/m ³	883.0	874.0
8	Boiling Point °C	215 – 376	> 290
9	Melting Point °C	NA	12
10	Pour Point	6-18	16