

Powertrain Lab-ARAI

The Powertrain Lab at ARAI has capability of homologation as well as advance R&D. The facility is proposed for Centre of Excellence for Powertrain because ARAI is prominent testing and homologation body in India and having capability in Engine and Powertrain projects since long time. This should enable this centre to provide the more demanding services to the automotive industry in a reasonable time, leading the technical development of the country in this field also the existing equipments form an ideal basis for developing the lab into a state-of-the-art lab with limited investment. NATRiP is under process to established following capabilities for Powertrain Lab at ARAI.

Powertrain Capabilities At ARAI (Established By NATRiP)

Capability Name	Component	Application	Test Capability	Specification	Fuel Type
Vehicle Test Cell for emission	CD1 Analyser	PC+LCV	Euro V+ R&D	150 KW, 48 ⁰	Gasoline
	MACD1	PC+LCV	MAC (Euro V)	150 KW	Gasoline+ Diesel+CNG
Engine Test Cell	ETC1 AC Analyser	HD Engines		250	Diesel+CNG
	ETC2 AC Analyser	HD Engines	Euro V+ R&D	500	Diesel+CNG
	ETC3 AC Analyser	PC+LCV Engines	R&D	150+45KW	Gasoline+ Diesel+CNG
50 ⁰ C to - 30 ⁰ C Cold Chamber + Chassis Dyno.	CD4 Climatic Chmber Analyser	PC + LCV Sized for LCV	Euro V+ R&D	150 KW	Gasoline