

Powertrain Lab- iCAT

iCAT is one of the prominent testing and homologation centre established by NATRiP in the northern automotive hub of country. In order to support the R&D and complete Homologation capability in engine powertrain, in the northern automotive hub of India, Natrip is under process to establish world class Lab for Powertrain at iCAT-Manaser. The Powertrain facility proposed at ICAT-Manaser will be able to handle full homologation capability for the passenger and goods transportation vehicles. The testing equipments are capable of performing type approval of vehicles for EURO V. Natrip will be establishing following facilities under powertrain lab proposed at iCAT-Manaser.

Powertrain Lab Capabilities At iCAT

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
	CD2 Analyser	PC+LCV	Euro V+ R&D	150 KW, 48 ⁰	Diesel
	MACD1	PC+LCV	MAC (Euro V)	150 KW	Gasoline+ Diesel+CNG
	MACD2	PC+LCV	MAC (Euro V)	150 KW	Gasoline+ Diesel+CNG
	CD3 (2/3W) Analyser	2/3 W	Euro V+ R&D	20" Dyno	Gasoline+CNG
	MACD 3 (2/3W)	2/3W	MACD	20" Dyno	Gasoline+CNG
VV/VT Shed	VTSLED	UP to PC	EURO V		
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
50⁰ C to - 30⁰ C Cold Chamber + Chassis Dyno.	CD4 Climatic Chamber Analyser	PC + LCV Sized for LCV	Euro V+ R&D	150 KW	Gasoline