

Passive Safety Lab-iCAT

iCAT is one of the significant testing and homologation body in northern automotive hub in India under NATRiP. To provide the easy and cost effective one stop solution for all Passive Safety related capabilities, NATRiP is in process to established full fledge Passive Safety Lab at iCAT The details of Passive Safety Lab at **iCAT-Manesar** are tabulated below:

Passive Safety Capabilities At Manesar

Component Of Lab	Application		Technical Specification iCAT
Block	Homo + R&D		Fix
Propulsion system			3500kg, 80km/h
Main Track rail	Homo + R&D	Full-vehicle crash test and sled test	100m
Main Film pit	basic R&D	Filming of crash tests. Main: offset + frontal, Second: side + rear	yes
Second Film pit	basic R&D		yes
Transparent cover panels	basic R&D		yes
Pole barrier	Homo + R&D		yes
Offset barrier R94			yes
30 degree barrier			yes
Deceleration sled	Homo + R&D		yes
Deceleration system			barrier
Euro side impact barrier R95			yes
Euro rear impact barrier R32			yes
Side impact moving barrier			yes
Rear impact moving barrier			yes
Car barbeque			yes
208 rollover platform			homo + R&D
Data acquisition	Homo + R&D		mid
Indummy solution, 60 ch	basic R&D		yes
High Speed Cameras	basic R&D		9
Mini High Speed Cameras			2
<i>Lighting positioning</i>			manual

<i>Dummies</i>	Homo + R&D	homologation
<i>Sensors</i>		mid
<i>Certification rigs</i>		yes
<i>Static Measurement</i>		yes
Hydraulic test benches		Yes
Structural + Environmental loads test cells		Upgrade