

Assessment 2023

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1 Vehicle Selection

All M1 category vehicles are eligible for assessment as long as they are fully homologated* for sale in India.

2 Variant selection

Since it is impractical to rate each variant of a car model, up to two ratings may be published for each model.

2.1 when all safety features are fitted as standard

When all safety features available in the variant range are standard equipment, a single rating 'all variants' will be published.

2.1 when not all safety features are fitted as standard

When some safety features are available only on select variants, two ratings will be published.

2.1.1 'with standard equipment'

The test car for ratings 'with standard equipment' will be the variant with the least safety equipment available for the model. In case there is no clear variant with least safety equipment (for example, in cases where two different technologies are available exclusively on two separate variants) the final rating will be the worse of that allowed by both cases.

2.2.2 'with optional equipment'

The test car for ratings 'with optional equipment' will be the variant with the highest level of safety equipment available for the model.

3 Assessment Criteria

There are three areas of assessment that make up the rating criteria: Safe Behaviour, Emergency Intervention and Occupant Restraint. Each area is awarded a 'status', which then contributes to overall rating.

3.1 Safe Behaviour

This section of the assessment criteria includes features that encourage safe behaviours like the use of safety belts, the correct installation of child restraints, and the proper inflation of tyres.

3.1.1 Requirements for **POOR** status

Assigned when requirements for higher statuses are not met.

3.1.2 Requirements for **MODERATE** status

The test variant must be fitted with ALL of the following:

- safety belt reminders (SBRs) for the driver and front passenger

3.1.3 Requirements for **ADEQUATE** status

The test variant must be fitted with ALL of the following:

- safety belt reminders (SBRs) for the driver and front passenger
- ISOFIX anchorages in both second-row outboard seating positions

3.1.3.1 Requirements for **ADEQUATE+** status

In addition to meeting requirements for **ADEQUATE** status, the test variant must be fitted with at least one i-Size seating position. During assessment, i-Size seating positions will be identified by the presence of Figure 4 in Annex 5 of ECE R145 on the ISOFIX anchorages in the seating position.

3.1.4 Requirements for **GOOD** status

The test variant must be fitted with ALL of the following:

- safety belt reminders (SBRs) for ALL seating positions, including a third row, if available
- ISOFIX anchorages in both second-row outboard seating positions

3.1.4.1 Requirements for **GOOD+** status

In addition to meeting requirements for **GOOD** status, the test variant must be fitted with ALL of the following:

- a tyre pressure monitor with individual pressure readouts for each tyre
- at least one i-Size seating position, identified by the presence of Figure 4 in Annex 5 of ECE R145 on the ISOFIX anchorages in the seating position.

3.2 Emergency Intervention

This section of the assessment criteria includes safety systems that detect when a collision is imminent and either alert the driver or intervene.

3.2.1 Requirements for **POOR** status

Assigned when requirements for higher statuses are not met.

3.2.2 Requirements for **MODERATE** status

The test variant must be fitted with ALL of the following:

- an electronic stability control system that meets the *definition* criteria in section 2.25 of ECE R13-H

3.2.3 Requirements for **ADEQUATE** status

The test variant must be fitted with ALL of the following:

- an electronic stability control system that meets the *definition* criteria in section 2.25 of ECE R13-H
- a tyre deflation warning

3.2.3.1 Requirements for **ADEQUATE+** status

In addition to meeting requirements for **ADEQUATE** status, the test variant must be fitted with AT LEAST ONE of the following:

- a forward collision warning system
- an automatic emergency braking system that responds to other cars ("AEB Car-to-Car Rear")
- a lane departure warning system

3.2.4 Requirements for **GOOD** status

The test variant must be fitted with ALL of the following:

- an electronic stability control system that meets the *definition* criteria in section 2.25 of ECE R13-H
- a tyre deflation warning
- a blind spot monitoring system that performs at least one of the following tasks:
 - illuminates a warning lamp (for instance, in a wing mirror) when there is a vehicle in the driver's blind spot ("*blind spot detection*")
 - relays a live camera feed of the passenger-side blind spot to the driver through the instrument cluster or central entertainment system when the left turn signal is engaged ("*blind spot camera*")

3.2.4.1 Requirements for **GOOD+** status

In addition to meeting requirements for **GOOD** status, the test variant must be fitted with ALL of the following:

- a forward collision warning ("FCW") system
- an automatic emergency braking system that responds to other cars ("AEB Car-to-Car Rear") and pedestrians ("AEB Pedestrian")
- a lane departure warning ("LDW") system

3.3 Occupant Restraint

This section of the assessment criteria includes restraint systems that activate during a collision to protect occupants from the risk of injury arising from contacting parts of the vehicle interior. We do not test crashworthiness of the vehicle structure, please visit Global NCAP (www.globalncap.org/safercarsforindia) to find crash test ratings.

3.3.1 Requirements for **POOR** status

Assigned when requirements for higher statuses are not met.

3.3.2 Requirements for **MODERATE** status

The test variant must be fitted with ALL of the following:

- three-point safety belts for all seats

3.3.3 Requirements for ADEQUATE status

The test variant must be fitted with ALL of the following:

- three-point safety belts for all seats
- side thorax airbags for the driver and front passenger

3.3.3.1 Requirements for ADEQUATE+ status

In addition to meeting requirements for ADEQUATE status, the test variant must be fitted with AT LEAST ONE of the following:

- side thorax airbags for second-row seats
- pyrotechnic pretensioners for the second-row safety belts
- a centre airbag between the front seats

3.3.4 Requirements for GOOD status

- three-point safety belts for all seats
- head restraints for all rear seats
- side thorax airbags for the driver and front passenger
- curtain airbags with coverage for all rows

3.3.4.1 Requirements for GOOD+ status

In addition to meeting requirements for GOOD status, the test variant must be fitted with AT LEAST ONE of the following:

- side thorax airbags for second-row seats
- pyrotechnic pretensioners for the second-row safety belts
- a centre airbag between the front seats

3.4 Overall rating

A score is assigned to each category of assessment using the following rule:

Status	Score (max. 7)
POOR	0
MODERATE	2
ADEQUATE	4
ADEQUATE+	5
GOOD	6
GOOD+	7

An overall score is then generated using the expression (rounded down to two decimal places):

$$\frac{1 \times score_{safebehaviour} + 1 \times score_{emergencyintervention} + 2 \times score_{occupantrestraint}}{4}$$

3.4.1 Requirements for NOT RECOMMENDED rating

When requirements for all higher ratings are not met, a 'Not Recommended' rating is assigned.

3.4.2 Requirements for FAIR rating

- an overall score of at least 1.50

3.4.3 Requirements for RECOMMENDED rating

- an overall score of at least 3.00
- each individual status must be no lower than MODERATE

3.4.4 Requirements for BEST PICK rating

- an overall score of at least 4.50
- each individual status must be no lower than **ADEQUATE**


4 Visual identity

4.1 Logo

The Gobar NCRAP logo is a symbol of a crash test target made of a circle with the top left and bottom right quadrants in a display colour of RGB (142,82,0) “Mocha” and the other quadrants transparent, with the words GOBAR and NCRAP on the left and right respectively in bold uppercase text of font ‘Avenir’.



4.2 Rating plate

GOBAR  NCRAP	Make MODEL
Equipment level	
Image	
Datestamp RATING Segment	

4.3 Colours

Green: 97, 216, 54
 Yellow: 255, 217, 50
 Orange: 242, 114, 0
 Red: 238, 34, 12