

- क. "मौजूदा मॉडल" का अर्थ उस वाहन से है जिसके संबंध में मोटर वाहन (\_\_\_\_ संशोधन) नियम, 2022 के प्रारंभ होने पर या उससे पहले अधिनियम की धारा 110 ख के तहत एक टाइप-अनुमोदन प्रमाणपत्र जारी किया गया है;
- ख. "नए मॉडल" का अर्थ उस वाहन से है जिसके संबंध में मोटर वाहन (\_\_\_\_ संशोधन) नियम, 2022 के प्रारंभ होने के बाद अधिनियम की धारा 110 ख के तहत एक टाइप-अनुमोदन प्रमाण पत्र जारी किया गया है।"]

[फा. सं.आरटी-11036/197/2021-एमवीएल]

अमित वरदान, संयुक्त सचिव

टिप्पण: मूल नियम भारत के राजपत्र, असाधारण, भाग- II, खंड 3, उपधारा (i) की अधिसूचना संख्या सा.का.नि. 590

(अ), दिनांकित 2 जून, 1989 को प्रकाशित किए गए थे और अंतिम बार अधिसूचना संख्या सा.का.नि. ....

(अ), दिनांकित ..... द्वारा संशोधित किए गए थे।

*Pl. communicate to all officers for information and for submitting objections or suggestions, if any, before the expiry of 30 days with in the time limit.*

## MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

### NOTIFICATION

New Delhi, the 29th June, 2022

**G.S.R. 481(E).**— The following draft of certain rules further to amend the Central Motor Vehicles Rules, 1989, which the Central Government proposes to make in exercise of the powers conferred by section 110 of the Motor Vehicles Act, 1988 (59 of 1988), is hereby published as required by sub-section (1) of section 212 of the said Act for information of all persons likely to be affected thereby; and notice is hereby given that the said draft rules shall be taken into consideration after the expiry of thirty days from the date on which the copies of this notification as published in the Official Gazette, are made available to the public;

- The objections or suggestions which may be received from any person with respect to the said draft rules before the expiry of the period aforesaid will be considered by the Central Government;
- Objections and suggestions to these draft rules, if any, may be sent to the Joint Secretary (MVL), email: comments-morth@gov.in, Ministry of Road Transport and Highways, Transport Bhawan, Parliament Street, New Delhi-110 001.

### DRAFT RULES

**1. Short title and commencement** - (1) These rules may be called as the Central Motor Vehicles (.....Amendment) Rules, 2022.

(2) Save as otherwise provided in these rules, they shall come into force on the date of their final publication in the Official Gazette.

- In the Central Motor Vehicles Rules, 1989 (herein after referred as the said rules), following amendments are hereby issued.

I. In rule 115, sub-rule 19, in clause (i), in the "Notes",-

(a) in item (12), for the "Table 1", the following "Table 1" shall be substituted, namely:-

**TABLE 1**  
**OBD FUNCTIONS AND ASSOCIATE**

| Sr. No. | Monitoring Items  | OBD Stage I<br>(BS VI) – for vehicles<br>manufactured on or<br>after<br>1 <sup>st</sup> April, 2020 | OBD Stage II-A<br>(BS VI) - for vehicles<br>manufactured on or after<br>1 <sup>st</sup> April, 2023 | OBD Stage II-B<br>(BS VI) - for vehicles<br>manufactured on or<br>after<br>01 <sup>st</sup> April 2025. |
|---------|---|---|---|---|
| 1       | Circuit continuity for all emission related power train component (if equipped)   | ✓   | ✓   | ✓   |
| 2       | Circuit Rationality and Basic monitoring requirement for all emission related power train component (if equipped)           | X   | ✓   | ✓   |
| 3       | Distance travelled since MIL (Malfunction indicator lamp) ON  | ✓   | ✓   | ✓   |
| 4       | Electrical disconnection of Electronic evaporative purge control device (if equipped and if active)                         | ✓   | ✓   | ✓   |
| 5       | Catalytic converter monitoring  | X   | X   | ✓   |
| 6       | EGR efficiency/flow monitoring (if equipped)  | ✓   | ✓   | ✓   |
| 7       | Misfire Detection   | X   | ✓   | ✓   |
| 8       | Oxygen sensor deterioration monitoring  | X   | ✓   | ✓   |
| 9       | NOx after-treatment system monitoring (if equipped)   | X   | ✓   | ✓   |
| 10      | Particulate filter monitoring (if equipped)   | X   | ✓   | ✓   |
| 11      | Particulate Matter (PM) Emission monitoring (if equipped)   | X   | ✓   | ✓   |
| 12      | On-Board Diagnostics (OBD) Emission Threshold Limits.   | X   | ✓   | ✓   |
| 13      | In-use performance monitoring –<br>No minimum IUPR <sub>M</sub> for all monitors M<br>(Functionality of IUPR Determination) | X   | ✓   | ✓   |
| 14      | In-use performance monitoring –<br>IUPR <sub>M</sub> greater than or equal to 0.1 for all monitors M                        | X   | X   | ✓   |

(b) in item (13), for the existing text, the following text shall be substituted, namely:-



Detailed requirements for tracking IUPR are given in AIS 137 as amended from time to time.

(c) After item (16), for the existing “Table 2”, the following “Table 2” and “Table 3” shall be substituted, namely:—

**TABLE 2**

ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BSVI OBD STAGE II-A  
(FOR VEHICLES MANUFACTURED ON OR AFTER 1<sup>ST</sup> APRIL 2023)

| Vehicle     | WMTC Class   | CO<br>(mg/km) | THC<br>(mg/km) | NOx<br>(mg/km) |
|-------------|--------------|---------------|----------------|----------------|
| PI vehicles | 1, 2-1 & 2-2 | 2170          | 1400           | 350            |
|             | 3-1 & 3-2    | 2170          | 630            | 450            |
| CI vehicles | All          | 2170          | 630            | 900            |

**TABLE 3**

ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BSVI OBD STAGE II-B  
(FOR VEHICLES MANUFACTURED ON OR AFTER 01<sup>ST</sup> APRIL 2025)

| Vehicle     | WMTC Class | CO<br>(mg/km) | NMHC<br>(mg/km) | NOx<br>(mg/km) | PM<br>(mg/km)     |
|-------------|------------|---------------|-----------------|----------------|-------------------|
| PI vehicles | All        | 1900          | 250             | 300            | 50 <sup>(1)</sup> |
| CI vehicles | All        | 1900          | 320             | 540            | 50                |

<sup>(1)</sup> In case of P.I. engines, applicable only to vehicles with Direct Injection engines.

II. (a) In rule 115, sub-rule 20, for the “Table 1”, the following “Table 1” shall be substituted, namely:—

**TABLE 1**

THREE WHEELERS FITTED WITH PI AND CI ENGINES: BS VI

| Vehicle with PI engines   |             |                 |              |                         |                 |          |                                      |   |
|---|-------------|-----------------|--------------|-------------------------|-----------------|----------|--------------------------------------|---|
|   | CO<br>mg/km | HC+NOx<br>mg/km | NOx<br>mg/km | PM <sup>(1)</sup> mg/km | EVAP<br>mg/test | OBD      | Durability<br>mileage (km)<br>Type V | Test Cycle<br>(Cold Start<br>at<br>T=0 sec) |
| Limit   | 440         | 435             | 130          | 25                      | 1500            | Stage II | 35000                                | IDC<br>AIS137                               |
| D.F.  | 1.2         | 1.2             | 1.2          | 1.2                     | --              | --       | --                                   |   |
| <sup>(1)</sup> PM limit in case of PI engines shall be applicable only to vehicles with Direct Injection engines and shall be applicable from 1 <sup>st</sup> April 2023. |             |                 |              |                         |                 |          |                                      |   |

| Vehicle with CI engines |             |                 |              |          |          |                                      |  |
|-------------------------|-------------|-----------------|--------------|----------|----------|--------------------------------------|--|
|                         | CO<br>mg/km | HC+NOx<br>mg/km | NOx<br>mg/km | PM mg/km | OBD      | Durability<br>mileage (km)<br>Type V | Test Cycle<br>(Cold Start at<br>T=0 sec) |
| Limit                   | 220         | 200             | 160          | 25       | Stage II | 35000                                | IDC AIS137                               |

|      |     |     |     |     |    |    |  |
|------|-----|-----|-----|-----|----|----|--|
| D.F. | 1.1 | 1.0 | 1.0 | 1.2 | -- | -- |  |
|------|-----|-----|-----|-----|----|----|--|

(b) In rule 115, sub-rule 20, in the "Notes", in item (14), for the "Table 1" and "Table 2", the following "Table 1", "Table 2" and "Table 3" shall be substituted, namely:—

**TABLE 1**  
OBD FUNCTIONS AND ASSOCIATE

| Sr. No. | Monitoring Items  | OBD Stage I<br>(BS VI)- for vehicles manufactured on or after 1 <sup>st</sup> April, 2020 | OBD Stage II-A<br>(BS VI)- for vehicles manufactured on or after 1 <sup>st</sup> April 2023 | OBD Stage II-B<br>(BS VI)- for vehicles manufactured on or after 1 <sup>st</sup> April 2025 |
|---------|---|---|---|---|
| 1       | Circuit continuity for all emission related power train component (if equipped)                                   | ✓   | ✓   | ✓   |
| 2       | Circuit Rationality and basic monitoring requirement for all emission related power train component (if equipped) | X   | ✓   | ✓   |
| 3       | Distance travelled since MIL (Malfunction indicator lamp) ON  | ✓   | ✓   | ✓   |
| 4       | Electrical disconnection of electronic evaporative purge control device (if equipped and if active)               | ✓   | ✓   | ✓   |
| 5       | EGR system monitoring (if equipped)   | X   | ✓   | ✓   |
| 6       | Misfire detection   | X   | ✓   | ✓   |
| 7       | Oxygen sensor deterioration monitoring.   | X   | ✓   | ✓   |
| 8       | NOx after treatment system monitoring (if equipped)   | X   | ✓   | ✓   |
| 9       | Particulate Filter monitoring (if equipped)   | X   | ✓   | ✓   |
| 10      | Particulate Matter (PM) emission monitoring (if equipped)   | X   | ✓   | ✓   |
| 11      | On-Board Diagnostics (OBD) Emission Threshold Limits.   | X   | ✓   | ✓   |
| 12      | Catalytic converter monitoring  | X   | X   | ✓   |

**TABLE 2**  
ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BS-VI OBD STAGE II-A  
(FOR VEHICLES MANUFACTURED ON OR AFTER 1<sup>ST</sup> APRIL 2023)

| Vehicle     | CO<br>mg/km | NOx<br>mg/km | PM<br>mg/km        |
|-------------|-------------|--------------|--------------------|
| PI vehicles | 955         | 758          | 140 <sup>(1)</sup> |
| CI vehicles | 955         | 960          | 140                |

<sup>(1)</sup> In case of PI engines, applicable only to vehicles with Direct Injection engines.



TABLE 3

ON-BOARD DIAGNOSTICS (OBD) EMISSION THRESHOLD LIMITS FOR BS-VI OBD STAGE II-B  
(FOR VEHICLES MANUFACTURED ON OR AFTER 1<sup>ST</sup> APRIL 2025)

| Vehicle     | CO<br>mg/km | NOx<br>mg/km | PM<br>mg/km        |
|-------------|-------------|--------------|--------------------|
| PI vehicles | 880         | 425          | 140 <sup>(1)</sup> |
| CI vehicles | 440         | 300          | 140                |

<sup>(1)</sup> In case of PI engines, applicable only to vehicles with Direct Injection engines

[Explanation: - For the purpose of this clause the expression,-

- "existing model" means the vehicle in respect of which a type-approval certificate has been issued under section 110 B of the Act, on or before the commencement of the Motor Vehicles (\_\_\_\_ Amendment) Rules, 2022;
- "new model" means the vehicle in respect which a type-approval certificate has been issued under section 110 B of the Act after the commencement of the Motor Vehicles (\_\_\_\_ Amendment) Rules, 2022."]

[F. No. RT-11036/197/2021-MVL]  
AMIT VARADAN, Jt. Secy.

Note.- The principal rules were published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i) vide notification number G.S.R. 590(E), dated the 2nd June, 1989 and last amended vide notification number G.S.R. \_\_\_\_ (E) dated \_\_\_\_.