

## सारणी 4

बीएस-VI ओबीडी चरण II- क के लिए ऑन-बोर्ड निदान (ओबीडी) उत्सर्जन सीमा रेखा  
(1 अप्रैल 2023 को या उसके बाद निर्मित वाहनों के लिए)

वाहन	सीओ मिलीग्राम /किमी	एनओएक्स मिलीग्राम /किमी	पीएम मिलीग्राम /किमी
पीआई वाहन	955	758	140 <sup>(1)</sup>
सीआई वाहन	955	960	140

(1) पीआई इंजनों के मामले में, केवल डायरेक्ट इंजेक्शन इंजन वाले वाहनों पर लागू।

## सारणी 5

बीएस-VI ओबीडी चरण II-ख के लिए ऑन-बोर्ड निदान (ओबीडी) उत्सर्जन सीमा रेखा  
(1 अप्रैल 2025 को या उसके बाद निर्मित वाहनों के लिए)

वाहन	सीओ मिलीग्राम /किमी	एनओएक्स मिलीग्राम /किमी	पीएम मिलीग्राम /किमी
पीआई वाहन	880	425	140 <sup>(1)</sup>
सीआई वाहन	440	300	140

(1) पीआई इंजनों के मामले में, केवल डायरेक्ट इंजेक्शन इंजन युक्त वाहनों पर लागू।

[सं.आरटी-11036/197/2021-एमवीएल]

महमूद अहमद, संयुक्त सचिव

टिप्पण : मूल नियम, भारत के राजपत्र, असाधारण, भाग II, खंड 3, उपधारा (i) में अधिसूचना संख्या सा.का.नि. 590(अ), तारीख 2 जून, 1989 को प्रकाशित किए गए थे और अंतिम बार अधिसूचना संख्या सा.का.नि. 797(अ), तारीख 31 अक्टूबर, 2022 द्वारा संशोधित किए गए थे।

## MINISTRY OF ROAD TRANSPORT AND HIGHWAYS

## NOTIFICATION

New Delhi, the 9th November, 2022

**G.S.R. 809(E).**—Whereas, the draft of certain rules further to amend the Central Motor Vehicles Rules, 1989 were published, as required under sub-section (1) of section 212 of the Motor Vehicles Act, 1988 (59 of 1988), vide notification of the Government of India in the Ministry of Road Transport and Highways number G.S.R. 481(E), dated the 29<sup>th</sup> June, 2022, in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i), inviting objections and suggestions from all persons likely to be affected thereby before the expiry of the period of thirty days from the date on which copies of the official Gazette containing the said notification were made available to the public;

And whereas, objections and suggestions received from the public in respect of the said draft rules have been duly considered by the Central Government;

Now, therefore, in exercise of the powers conferred by section 110 of the Motor Vehicles Act, 1988 (59 of 1988), the Central Government hereby makes the following rules further to amend the Central Motor Vehicles Rules, 1989, namely:-

1. (1) These rules may be called the Central Motor Vehicles (Eighteenth Amendment) Rules, 2022.
- (2) They shall come into force on the date of their publication in the Official Gazette.

*C. K. Pl. circulate to officers concerned for information.  
A copy may be made available in official website also.  
15/11/2022*

2. In the Central Motor Vehicles Rules, 1989, in rule 115,-

(a) in sub-rule (19), in clause (i), in the "Notes",-

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

**"TABLE 1**

**OBD FUNCTIONS AND ASSOCIATE**

A. Vehicles manufactured on or after the 1<sup>st</sup> April, 2020, shall be required to comply with the following OBD Stage I (BS VI) requirements/standards/compliances as per AIS 137:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component
2.	Distance travelled since MIL (Malfunction indicator lamp) ON
3.	Electrical disconnection of Electronic evaporative purge control device
4.	EGR system monitoring

**TABLE 2**

**OBD FUNCTIONS AND ASSOCIATE**

B. Vehicles manufactured on or after the 1<sup>st</sup> April, 2023, shall be required to comply with the following OBD Stage II-A (BS VI) requirements/standards/compliances as per AIS 137:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component
2.	Circuit Rationality
3.	Distance travelled since MIL (Malfunction indicator lamp) ON
4.	Electrical disconnection of Electronic evaporative purge control device
5.	EGR system monitoring
6.	Misfire Detection
7.	Oxygen sensor deterioration monitoring
8.	NOx after-treatment system monitoring
9.	Particulate filter monitoring
10.	Particulate Matter (PM) Emission monitoring
11.	On-Board Diagnostics (OBD) Emission Threshold Limits
12.	In-use performance monitoring – No minimum IUPR <sub>M</sub> for all monitors M (Functionality of IUPR Determination)

**TABLE 3**

**OBD FUNCTIONS AND ASSOCIATE**

C. Vehicles manufactured on or after the 1<sup>st</sup> April, 2025, shall be required to comply with the following OBD Stage II-B (BS VI) requirements/standards/compliances as per AIS 137:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component
2.	Circuit Rationality
3.	Distance travelled since MIL (Malfunction indicator lamp) ON
4.	Electrical disconnection of Electronic evaporative purge control device

5.	Catalytic converter monitoring
6.	EGR system monitoring
7.	Misfire Detection
8.	Oxygen sensor deterioration monitoring
9.	NOx after-treatment system monitoring
10.	Particulate filter monitoring
11.	Particulate Matter (PM) Emission monitoring
12.	On-Board Diagnostics (OBD) Emission Threshold Limits.
13.	In-use performance monitoring – No minimum IUPR <sub>M</sub> for all monitors M (Functionality of IUPR Determination)
14.	In-use performance monitoring – IUPR <sub>M</sub> greater than or equal to 0.1 for all monitors M

(ii) for item (13), the following item shall be substituted, namely:–

“(13) Detailed requirements for tracking IUPR are given in AIS 137,”;

(iii) after item (16), for “Table 2”, the following Tables 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 THE 1<sup>ST</sup> APRIL, 2023)

Vehicle	WMTC Class	CO (mg/km)	THC (mg/km)	NOx (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 THE 1<sup>ST</sup> APRIL 2025)

Vehicle	WMTC Class	CO (mg/km)	NMHC (mg/km)	NOx (mg/km)	PM (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.”;

(b) in sub-rule (20),-

(i) for “Table 1”, the following Table shall be substituted, namely:–

**“TABLE 1**  
**THREE WHEELERS FITTED WITH PI AND CI ENGINES: BS VI**

Vehicle with PI engines								
	CO mg/km	HC+NOx mg/km	NOx mg/km	PM <sup>(1)</sup> mg/km	EVAP mg/test	OBD	Durability mileage (km) Type V	Test Cycle (Cold Start at T=0 sec)
Limit	440	435	130	25	1500	Stage II	35000	IDC 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 mg/km	HC+NOx mg/km	NOx mg/km	PM mg/km	OBD	Durability mileage (km) Type V	Test Cycle (Cold Start at T=0 sec)
Limit	220	200	160	25	Stage II	35000	IDC AIS137
D.F.	1.1	1.0	1.0	1.2	--	--	

(ii) in the “Notes”, after item 17, for the “Table 1” and “Table 2”, the following Tables shall be substituted, namely:—

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

Vehicles manufactured on or after the 1<sup>st</sup> April, 2020, shall be required to comply with the following OBD Stage I (BS VI) requirements/standards/compliances as per AIS 137:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component.
2.	Distance travelled since MIL (Malfunction indicator lamp) ON.
3.	Electrical disconnection of Electronic evaporative purge control device.

**TABLE 2**  
**OBD FUNCTIONS AND ASSOCIATE**

Vehicles manufactured on or after the 1<sup>st</sup> April, 2023, shall be required to comply with the following OBD Stage II-A (BS VI) requirements/standards/compliances as per AIS 137:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component.
2.	Circuit Rationality.
3.	Distance travelled since MIL (Malfunction indicator lamp) ON.
4.	Electrical disconnection of Electronic evaporative purge control device.

5.	EGR system monitoring.
6.	Misfire Detection.
7.	Oxygen sensor deterioration monitoring
8.	NOx after treatment system monitoring.
9.	Particulate filter monitoring.
10.	Particulate Matter (PM) Emission monitoring.
11.	On-Board Diagnostics (OBD) Emission Threshold Limits.

**TABLE 3****OBD FUNCTIONS AND ASSOCIATE**

Vehicles manufactured on or after the 1<sup>st</sup> April, 2025, shall be required to comply with the following OBD Stage II-B (BS VI) requirements/standards/compliances as per AIS 137:-

Sr. No.	Monitoring Items.
1.	Circuit continuity for all emission related power train component.
2.	Circuit Rationality.
3.	Distance travelled since MIL (Malfunction indicator lamp) ON.
4.	Electrical disconnection of Electronic evaporative purge control device.
5.	EGR system monitoring.
6.	Misfire Detection.
7.	Oxygen sensor deterioration monitoring.
8.	NOx after treatment system monitoring.
9.	Particulate filter monitoring.
10.	Particulate Matter (PM) Emission monitoring.
11.	On-Board Diagnostics (OBD) Emission Threshold Limits.
12.	Catalytic converter monitoring.

**TABLE 4**

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

Vehicle	CO mg/km	NOx mg/km	PM 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 5**

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

Vehicle	CO mg/km	NOx mg/km	PM 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.”.

[No. RT-11036/197/2021-MVL]

MAHMOOD AHMED, 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 lastly amended *vide* notification number G.S.R. 797(E) dated the 31<sup>st</sup> October, 2022.