

**GOVERNMENT OF INDIA  
MINISTRY OF ROAD TRANSPORT AND HIGHWAYS**

**LOK SABHA  
STARRED QUESTION NO. 68  
ANSWERED ON 04<sup>TH</sup> DECEMBER, 2025**

**GROWTH, SAFETY AND REGULATION OF ELECTRIC VEHICLES**

**\*68. SHRI P C MOHAN:**

**Will the Minister of ROAD TRANSPORT AND HIGHWAYS**

सड़क परिवहन और राजमार्ग मंत्री

**be pleased to state:**

- (a) the growth in registration and sales of electric two-wheelers and electric cars in the country since the launch of major electric vehicle policies including the latest figures thereof, year-wise;**
- (b) the total number of electric vehicles registered in Karnataka particularly in Bengaluru along with their share in the country's overall electric vehicle fleet;**
- (c) whether the Government is aware of recent accidents and fire incidents involving electric vehicles and the concerns raised regarding battery and passenger safety, if so, the details thereof;**
- (d) the details of safety standards, testing protocols and monitoring mechanisms currently in place to ensure the safe use of electric vehicles; and**
- (e) the steps being taken by the Government to enhance charging infrastructure, promote adoption of electric vehicles and improve safety compliance through collaboration with manufacturers and State Governments?**

**ANSWER**

**THE MINISTER OF ROAD TRANSPORT AND HIGHWAYS**

**(SHRI NITIN JAIRAM GADKARI)**

**(a) to (e) A statement is laid on the Table of the House.**

---

**STATEMENT REFERRED TO IN REPLY TO PARTS (a) TO (e) OF THE LOK SABHA STARRED QUESTION NO. \*68 FOR ANSWER ON 04.12.2025 ASKED BY SHRI P C MOHAN REGARDING GROWTH, SAFETY AND REGULATION OF ELECTRIC VEHICLES.**

---

**(a) The details of electric 2-Wheelers registered vehicles as per the information available in VAHAN are enclosed at ANNEXURE-I.**

**The details of electric Four Wheelers registered under category Light Motor Vehicles, Light Passenger Vehicles, Four Wheeler(Invalid Carriage) as per the information available in VAHAN are enclosed at ANNEXURE-II.**

**(b) The total number of electric vehicles registered are as under:**

<b>Calendar Year</b>	<b>Total Number of registered Electric Vehicles(Karnataka)</b>	<b>Total Number of registered Electric Vehicles (Bengaluru District)</b>
<b>2020</b>	<b>9,686</b>	<b>7,354</b>
<b>2021</b>	<b>33,289</b>	<b>19,631</b>
<b>2022</b>	<b>95,741</b>	<b>58,450</b>
<b>2023</b>	<b>1,52,313</b>	<b>91,128</b>
<b>2024</b>	<b>1,77,646</b>	<b>1,00,150</b>
<b>2025 (till 27/11/2025)</b>	<b>1,69,704</b>	<b>91,693</b>

**(c) to (e) The Government in Ministry of Road Transport and Highways has amended the Automotive Industry Standards, AIS:156 [Specific requirements for L (a motor vehicle less than four wheels and quadricycle) category electric power train vehicles] and AIS:038 (Rev 2) [Specific Requirements for M Category, (a motor vehicle with at least four wheels used for carrying passenger) N Category (a motor vehicle with at least four wheels used for carrying goods) Electric Power Train Vehicles] to prescribe Technical Requirements for Traction Battery of L, M and N Category of Electric Power Train Vehicles. These standards have been implemented since March, 2023. The prototypes / components of electric vehicles are tested for the following:**

- a) Over charge/discharge protection**
- b) Over current/Short circuit protection**
- c) Over temperature protection**
- d) Voltage cutoff**
- e) Battery Management System(BMS)**
- f) Prevention of thermal propagation etc.**

**The tests are done by the testing agencies notified under Rule 126 of Central Motor Vehicles Rules, 1989, for compliance to standards notified by the Ministry of Road Transport and Highways.**

**Government in the Ministry of Power (MoP) has issued “Guidelines for Installation and Operation of Electric Vehicle Charging Infrastructure-2024”, dated 17th September 2024, which outlines standards and protocols to create connected & interoperable EV charging infrastructure network including Battery Swapping/Charging stations.**

**The following steps have been taken by the Government in the Ministry of Road Transport and Highways (MoRTH) to promote adoption of Electric Vehicles (EVs) in the country:**

- (i) Notification issued vide S.O. 5333(E) dated the 18th October, 2018, has granted exemption from the requirements of permit to the battery operated transport vehicles.**
- (ii) Notification issued vide G.S.R. 525(E) dated the 2nd August, 2021 has exempted Battery Operated Vehicles from the payment of fees for the purpose of issue or renewal of registration certificate and assignment of new registration mark.**
- (iii) Notification issued vide G.S.R. 302(E) dated the 18th April, 2023 to issue All India Tourist Permit for battery operated vehicles without payment of any permit fee.**
- (iv) Notification issued vide G.S.R. 167(E) dated the 1st March, 2019 for retro-fitment of hybrid electric system or electric kit to vehicles and their compliance standards shall be as per Automotive Industry Standards (AIS) 123.**
- (v) Notification issued vide G.S.R. 749(E) dated the 7th August, 2018, has notified the registration mark for Battery Operated Vehicles to be in Yellow colour on Green background for the transport vehicles and, for all other cases, in White colour on Green background.**

**(vi) An advisory dated 12th August, 2020 has been issued to all States and UTs regarding sale and registration of two wheeled Electric Vehicles without batteries.**

**(vii) National Highways Authority of India through NHLML envisions development of wayside amenities at approx. interval of 40-60 kms along National Highways and Expressways for providing public facilities like eateries, toilet, drinking water, parking, Fuelling Stations, EV charging stations, short term accommodation, etc. to the road users and truckers.**

**EV charging stations have been provisioned as mandatory facility for Wayside Amenities sites having area greater than 1 Ha.**

**As on date, 513 WSA sites have been awarded out of which 110 sites are already operational and EV charging stations have been commissioned on 64 operational wayside amenities.**

**Government in the Ministry of Heavy Industries (MHI) has allocated Rs.2,000 crore under the PM E-DRIVE Scheme for installation of adequate number of EV Charging stations on pan India basis.**

**Government in the Ministry of Heavy Industries (MHI) has sanctioned Rs.873.5 Cr to PSU Oil Marketing Companies (OMCs) under FAME II Subsidy Scheme for setting up 8932 Electric vehicle Charging Stations (EVCS). As on 01.11.2025, 8932 number of EVCS have been set up by OMCs under FAME-II subsidy scheme across the country at their Retail Outlets (ROs) out of which 3261 EVCS have been energized. In addition to this, OMCs have set up 18,544 EVCS at their ROs from their own funds.**

**ANNEXURE REFERRED TO IN REPLY TO PART (a) OF THE LOK SABHA  
STARRED QUESTION NO. \*68 FOR ANSWER ON 04.12.2025 ASKED BY  
SHRI P C MOHAN REGARDING GROWTH, SAFETY AND REGULATION  
OF ELECTRIC VEHICLES.**

**Details of electric 2-Wheelers registered vehicles-**

<b>States</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025 (Till 27/11/2025)</b>
<b>Andaman &amp; Nicobar Island</b>	<b>1</b>	<b>0</b>	<b>16</b>	<b>12</b>	<b>46</b>	<b>85</b>
<b>Andhra Pradesh</b>	<b>930</b>	<b>7,899</b>	<b>27,585</b>	<b>28,547</b>	<b>48,760</b>	<b>45,131</b>
<b>Arunachal Pradesh</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>15</b>	<b>42</b>
<b>Assam</b>	<b>40</b>	<b>374</b>	<b>1,901</b>	<b>2,438</b>	<b>4,388</b>	<b>3,251</b>
<b>Bihar</b>	<b>384</b>	<b>2,789</b>	<b>9,930</b>	<b>12,384</b>	<b>22,027</b>	<b>21,861</b>
<b>Chandigarh</b>	<b>12</b>	<b>197</b>	<b>855</b>	<b>2,141</b>	<b>1,774</b>	<b>1,293</b>
<b>Chhattisgarh</b>	<b>591</b>	<b>2,613</b>	<b>16,345</b>	<b>25,192</b>	<b>32,846</b>	<b>21,252</b>
<b>Delhi</b>	<b>1,163</b>	<b>7,555</b>	<b>34,563</b>	<b>37,564</b>	<b>31,530</b>	<b>33,318</b>
<b>Goa</b>	<b>55</b>	<b>849</b>	<b>4,991</b>	<b>8,396</b>	<b>9,497</b>	<b>6,758</b>
<b>Gujarat</b>	<b>530</b>	<b>7,884</b>	<b>64,584</b>	<b>78,512</b>	<b>65,086</b>	<b>54,379</b>
<b>Haryana</b>	<b>274</b>	<b>3,792</b>	<b>11,711</b>	<b>7,445</b>	<b>18,807</b>	<b>12,795</b>
<b>Himachal Pradesh</b>	<b>22</b>	<b>304</b>	<b>945</b>	<b>890</b>	<b>1,287</b>	<b>951</b>
<b>Jammu and Kashmir</b>	<b>74</b>	<b>1,130</b>	<b>2,132</b>	<b>1,834</b>	<b>3,001</b>	<b>2,230</b>
<b>Jharkhand</b>	<b>293</b>	<b>1,672</b>	<b>6,730</b>	<b>7,378</b>	<b>10,273</b>	<b>9,731</b>
<b>Karnataka</b>	<b>8,684</b>	<b>29,620</b>	<b>86,852</b>	<b>1,34,593</b>	<b>1,54,154</b>	<b>1,41,283</b>
<b>Kerala</b>	<b>351</b>	<b>5,882</b>	<b>33,456</b>	<b>61,799</b>	<b>66,852</b>	<b>70,107</b>
<b>Ladakh</b>	<b>0</b>	<b>6</b>	<b>20</b>	<b>18</b>	<b>18</b>	<b>0</b>
<b>Lakshadweep</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>2</b>	<b>13</b>
<b>Madhya Pradesh</b>	<b>929</b>	<b>5,104</b>	<b>22,179</b>	<b>35,963</b>	<b>63,011</b>	<b>66,275</b>
<b>Maharashtra</b>	<b>5,065</b>	<b>23,662</b>	<b>1,17,526</b>	<b>1,67,965</b>	<b>2,10,112</b>	<b>1,95,969</b>
<b>Manipur</b>	<b>7</b>	<b>20</b>	<b>125</b>	<b>89</b>	<b>76</b>	<b>291</b>
<b>Meghalaya</b>	<b>3</b>	<b>0</b>	<b>22</b>	<b>74</b>	<b>209</b>	<b>219</b>
<b>Mizoram</b>	<b>1</b>	<b>1</b>	<b>36</b>	<b>167</b>	<b>558</b>	<b>735</b>

<b>Nagaland</b>	<b>11</b>	<b>2</b>	<b>3</b>	<b>3</b>	<b>7</b>	<b>14</b>
<b>Odisha</b>	<b>610</b>	<b>4,944</b>	<b>25,723</b>	<b>38,350</b>	<b>56,303</b>	<b>59,893</b>
<b>Puducherry</b>	<b>86</b>	<b>393</b>	<b>1,410</b>	<b>2,451</b>	<b>4,047</b>	<b>3,527</b>
<b>Punjab</b>	<b>128</b>	<b>3,237</b>	<b>7,571</b>	<b>8,621</b>	<b>19,425</b>	<b>21,229</b>
<b>Rajasthan</b>	<b>1,968</b>	<b>13,956</b>	<b>54,117</b>	<b>59,419</b>	<b>76,735</b>	<b>70,384</b>
<b>Sikkim</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>
<b>Tamil Nadu</b>	<b>5,413</b>	<b>23,935</b>	<b>61,619</b>	<b>78,423</b>	<b>1,14,766</b>	<b>1,23,134</b>
<b>Tripura</b>	<b>7</b>	<b>3</b>	<b>196</b>	<b>256</b>	<b>415</b>	<b>484</b>
<b>UT of DNH and DD</b>	<b>10</b>	<b>20</b>	<b>88</b>	<b>100</b>	<b>261</b>	<b>150</b>
<b>Uttar Pradesh</b>	<b>1,194</b>	<b>6,284</b>	<b>23,547</b>	<b>40,379</b>	<b>94,661</b>	<b>92,174</b>
<b>Uttarakhand</b>	<b>178</b>	<b>1,210</b>	<b>5,698</b>	<b>5,687</b>	<b>8,247</b>	<b>7,890</b>
<b>West Bengal</b>	<b>97</b>	<b>915</b>	<b>8,412</b>	<b>11,414</b>	<b>22,910</b>	<b>24,262</b>
<b>Grand Total</b>	<b>29,112</b>	<b>1,56,254</b>	<b>6,30,889</b>	<b>8,58,510</b>	<b>11,42,107</b>	<b>10,91,113</b>

**ANNEXURE REFERRED TO IN REPLY TO PARTS (a) OF THE LOK SABHA STARRED QUESTION NO. \*68 FOR ANSWER ON 04.12.2025 ASKED BY SHRI P C MOHAN REGARDING GROWTH, SAFETY AND REGULATION OF ELECTRIC VEHICLES.**

**Details of electric Four Wheelers registered under category Light Motor Vehicles, Light Passenger Vehicles, Four Wheeler(Invalid Carriage) -**

<b>States</b>	<b>2020</b>	<b>2021</b>	<b>2022</b>	<b>2023</b>	<b>2024</b>	<b>2025(Till 27<sup>th</sup> November, 2025)</b>
<b>Andaman &amp; Nicobar Island</b>	<b>35</b>	<b>22</b>	<b>7</b>	<b>14</b>	<b>16</b>	<b>70</b>
<b>Andhra Pradesh</b>	<b>61</b>	<b>395</b>	<b>785</b>	<b>1,655</b>	<b>4,078</b>	<b>4,457</b>
<b>Arunachal Pradesh</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>17</b>	<b>29</b>	<b>40</b>
<b>Assam</b>	<b>7</b>	<b>7</b>	<b>82</b>	<b>267</b>	<b>401</b>	<b>416</b>
<b>Bihar</b>	<b>22</b>	<b>61</b>	<b>135</b>	<b>601</b>	<b>938</b>	<b>928</b>
<b>Chandigarh</b>	<b>35</b>	<b>106</b>	<b>273</b>	<b>1,037</b>	<b>1,403</b>	<b>1,395</b>
<b>Chhattisgarh</b>	<b>9</b>	<b>70</b>	<b>366</b>	<b>1,539</b>	<b>1,897</b>	<b>2,156</b>
<b>Delhi</b>	<b>883</b>	<b>1,948</b>	<b>5,649</b>	<b>8,333</b>	<b>6,517</b>	<b>13,099</b>
<b>Goa</b>	<b>25</b>	<b>189</b>	<b>621</b>	<b>966</b>	<b>1,239</b>	<b>1,388</b>
<b>Gujarat</b>	<b>230</b>	<b>862</b>	<b>2,831</b>	<b>6,597</b>	<b>6,274</b>	<b>10,273</b>
<b>Haryana</b>	<b>96</b>	<b>65</b>	<b>834</b>	<b>2,681</b>	<b>3,921</b>	<b>4,248</b>
<b>Himachal Pradesh</b>	<b>3</b>	<b>11</b>	<b>45</b>	<b>161</b>	<b>281</b>	<b>591</b>
<b>Jammu and Kashmir</b>	<b>0</b>	<b>5</b>	<b>49</b>	<b>165</b>	<b>276</b>	<b>419</b>
<b>Jharkhand</b>	<b>37</b>	<b>47</b>	<b>156</b>	<b>468</b>	<b>593</b>	<b>700</b>
<b>Karnataka</b>	<b>695</b>	<b>1,471</b>	<b>4,311</b>	<b>11,969</b>	<b>14,079</b>	<b>18,024</b>
<b>Kerala</b>	<b>427</b>	<b>1,667</b>	<b>3,845</b>	<b>9,817</b>	<b>11,055</b>	<b>16,962</b>
<b>Ladakh</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>3</b>
<b>Lakshadweep</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Madhya Pradesh</b>	<b>29</b>	<b>194</b>	<b>536</b>	<b>1,736</b>	<b>2,589</b>	<b>4,108</b>
<b>Maharashtra</b>	<b>927</b>	<b>3,743</b>	<b>11,652</b>	<b>13,733</b>	<b>15,046</b>	<b>27,876</b>
<b>Manipur</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>30</b>	<b>77</b>	<b>98</b>
<b>Meghalaya</b>	<b>0</b>	<b>3</b>	<b>10</b>	<b>20</b>	<b>39</b>	<b>108</b>
<b>Mizoram</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>7</b>
<b>Nagaland</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>	<b>7</b>
<b>Odisha</b>	<b>20</b>	<b>59</b>	<b>436</b>	<b>1,331</b>	<b>2,509</b>	<b>3,959</b>
<b>Puducherry</b>	<b>1</b>	<b>10</b>	<b>44</b>	<b>91</b>	<b>141</b>	<b>141</b>
<b>Punjab</b>	<b>11</b>	<b>41</b>	<b>46</b>	<b>799</b>	<b>1,469</b>	<b>2,670</b>
<b>Rajasthan</b>	<b>118</b>	<b>566</b>	<b>1,493</b>	<b>4,530</b>	<b>6,149</b>	<b>9,930</b>

<b>Sikkim</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>4</b>
<b>Tamil Nadu</b>	<b>283</b>	<b>946</b>	<b>2,463</b>	<b>5,984</b>	<b>7,788</b>	<b>13,211</b>
<b>Tripura</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>30</b>	<b>39</b>	<b>34</b>
<b>UT of DNH and DD</b>	<b>3</b>	<b>3</b>	<b>16</b>	<b>42</b>	<b>63</b>	<b>76</b>
<b>Uttar Pradesh</b>	<b>135</b>	<b>80</b>	<b>216</b>	<b>4,878</b>	<b>6,881</b>	<b>12,068</b>
<b>Uttarakhand</b>	<b>14</b>	<b>122</b>	<b>384</b>	<b>494</b>	<b>594</b>	<b>993</b>
<b>West Bengal</b>	<b>101</b>	<b>334</b>	<b>951</b>	<b>2,594</b>	<b>3,397</b>	<b>5,517</b>
<b>Grand Total</b>	<b>4,216</b>	<b>13,032</b>	<b>38,248</b>	<b>82,582</b>	<b>99,789</b>	<b>1,55,976</b>

\*\*\*\*\*