

CENTRAL MOTOR VEHICLES (1ST AMENDMENT) RULES, 2004

RQ-33004/ 9 s\oh D. L.-33004/99 Che Gazette of India EXTRAORDINARY (i) PART II—Section (i) PUBLISHED BY AUTHORITY No. 691 461 GI/2004 Part, 10, 21, 1525 NEW DELHI, TUESDAY, FEBRUARY 10, 2004 (WMAHA 21, 2004 1989 1988 (1988 59) 212 E. 6146), 30 2003 2, 3, (i) , 30 2003 2fi, e.tT, e.tT qg 1 2003 2.fi 31<:, 27, 41, 50 110 (1) GAZETTE OF INDIA: EXTRAORDINARY [PART II gg 1989 (1) (2004 I 1. (2) REN, 2. 1989 (ffä 2) . qh•gg" 3Ta-na ' ; 3. 4. 50 (5) "30 341W" "45 31fÄ•\$' 57 (2) Ttv 3Q.iq:- 5. 93 (7) 6. 93 312iq:- '93G. - : (1) 2.6 i (2) 6.5 I 3 (3) \$1 3.8 q•ä I (9 1.85 I 700 7'. 94 — F) (1) ZITA" (iv) 8. 95 "95T.T@ --(1) QIT.HT.:13154-1991- W, I QIT.HT.: 13154-1991Ä 4 : EXTRAORDINARY arrgg (311<-8trg€T) 9. 96 (4) (iv) "96 q. — q-r.qr.: 12061-1994 12207-1999 I 11. 98 : 12222-1987 F) 1 2004 3 ; @ 1 2004 3 12, 98 '98 Rg (1) I 30 ART II—SEC. 3(i) 5 crr.qr. •. 11859-1986 I (3) eruf&T tl.311*.w. (gan-*g9: 042 I " 13. 9" " " 14. (1) 28.5 QAT.HT.:8339-1993 I " I 105 — 106 (1) (9 17. 109 I 112 "<-g 18. 6 THE 19. 115 €5) (2) qrgrrr, "(2) 1 2004 tg (€1.3-ä.) 1 2. 3. 4 5 (2/4 (31 q-ä, 2000 (31 2000 (34 2000 11 4 4.5 3.5 3.5 0.5 11 3.0 [PART II—SEC. *g-Qft (W 9000 6000 4500 750 1500 15 1989 (fiJFä3TR) 7 116(3) gg 300 gq.gq. €r.3*r.3tV/uT *urqSi (p-q-q-q-g-q-fi) = 0.3 X (wffT) (qq#r) = 0.5 X GINT, t, Rig -erg •q-rq--* € 115 116 8 (PART II—SEC. qi-g 1 2004 22 (ii) 2.45 65 60 i. 116 (3) 3- gtg +500 \$1 + 300 I gq-l 25 0.25 I 10 qra 9 qrg" 20. 115 ' '*i-tTN7 70 3.i*i "2119i (NQ \$r (gq-gq•gq€r) = 0.3X 1" @ (III) I (q) (III FT i (El)JRØ5, 7 qq\$R q-rg-fi, eq-l) eq-2 a, \$r -d *FTT, \$1 2004 21. 115 (1) q? , " (1) 10 EXTRAORDINARY EARTH—SEC. 301 = o.5xgq-€r l" 22 116 (3), (4), (5), (6) (8) 115 (2)" 115 (2) (7)" 23. 119 (u) (1) " g3flfi+014/2001" (q) (2) -a-IA" 24. 120 3028-1998 1996 6 (71) (2) 11 a-IT.T{T. : 12180 90 (2) 100 98 25. 121 (1) u13" ' 'vfi u13" I 26. 122 (1) 2F" fiF:q 3i-a-i7 27. 124 312fia•.- Rig qßqj--(l) 1606-1997 I 12 (q) äA4•, GAZETTE OF INDIA:EXTRAORDINARY IPART II—SEC. : 030 • 1 3ia,2005 n-un-fä-@t 062 I 7079-1995 I QTT3TT.: 8654-1986 I (5) -q-gi t, 12056-1987 I (6) Q-TTYTT.: 12056-1987 Q--fiYIT.: 12056-1987 3.2.1 I 13 (7) Q*T.CIT.: 13941- 1994 i" I 28. 126 ' 'Rfiqfrl" ' 'Gg 3112Tifr7 frg 29. qrgtIT, :- "1." qrgrrr "2. g, @TöFT 30. 22 1 2004 lifi, 124 12fi 127]" 115(6), 115(7), 124, I 31. 1 2004 47(ü), 124, 127]" 115(6), 115(7), 1 Ifi, 124, 12fi 127]" QR I 14 : mCIRAORDINARY EARTH—SEC. 32. 8 — 312tq:- q:q) g•q-RuT 2. 026/027 6<-3.ER-67-01uT : 14899-2000 1981 : 14899-2000 1981 filt-34R-67-01ZIT : 15100-2001 1981 21211 I Fl. €. 37T(ä-11028/11/2002-gqqftg•«] 3.7* -aft-q 590(3-1), 2 1989 927(37), 5 2003 15 MINISTRY OF ROAD TRANSPORT AND HIGHWAYS NOTIFICATION New Delhi, the 10th February, 2004 G.S.R. the draft of certain rules further to amend the Central Motor Vehicles Rules, 1989, were published as required by sub-section (1) of section 212 of the Motor Vehicles Act, 1988 (59 of 1988) in the Gazette of India, Extraordinary, Part-I, Section 3, Sub-section (i), dated the 30th July, 2003 in the notification of Government of India in the Ministry of Road Transport and Highways, number G.S.R. 614 (E), dated the 30th July, 2003, inviting objections or suggestions from all persons likely to be affected thereby within a period of sixty days from the date on which copies of the Gazette-of India, in which the said notification was published, were made available to the public; And whereas the copies of the said Gazette of India were made available to the public on the 1st August, 2003; And whereas objections or suggestions received from the public in respect of the said draft rules have been considered by the Central Government; Now, therefore, in exercise of the powers conferred by sections 27, 41, 50 and 110 of the said Act, the Central Government hereby makes the following rules further to amend the Central Motor Vehicles Rules, 1989, namely:- (1) These rules may be called the Central Motor Vehicles (First Amendment) 1. Rules, 2004. (2) Save as otherwise provided in these rules they shall come into force after six months from the date of their final publication in the Official Gazette

2. In the Central Motor Vehicles Rules, 1989 (hereinafter referred as the said rules), in rule 2, for clause (d), the following clause shall be substituted from the date of final publication of this notification in the Official Gazette, namely:- '(d) "financier" means a person or a title holder cum dealer who lets a motor vehicle on hire under an agreement of hire purchase or lease or hypothecation to the operator with a permission to get it registered in operator's name as registered owner; 3 In rule 50 of the said rules, in sub-rule (5), for the words and figures "vertical by more than 30 degrees" , the words and figures "vertical plane by more than 45 degrees" shall be substituted.' In rule 57 of the said rules, in sub-rule (2), the following proviso shall be 4. inserted from the date of final publication of this notification in the Official Gazette, namely:- "Provided that motor vehicle

in the name of the Central Government or State 16 'TFEGAZETIEOFNDIA:EXIRAOR.DNARY [PART11—Sæ.301 Government shall not be transferred by the concerned registering authority without verifying the proceeding of the auction or disposal of the concerned vehicle

5. In rule 93 of the said rules, after sub-rule (7), first proviso shall be omitted

6. After rule 93 of the said rules, the following rule shall be inserted, namely:- "93A .(2) (3) (4) Overall dimension for agricultural tractors.- The overall width of the agricultural tractor shall not exceed 2.6 metres The overall length of the agricultural tractor shall not exceed 6.5 metres. The overall height of the agricultural tractor shall not exceed 3.8 metres. The overhang of the agricultural tractor shall not exceed 1.85 metres. 7

8. Provided that lateral projection upto 700 millimetres beyond the central line of the rear wheel shall be permitted." In rule 94 of the said rules.- (a) in sub-rule (1), for the words "Every motor vehicle", the words " Every motor vehicle including agricultural tractor and its trailed' shall be substituted; (b) in sub-rule (2), for the words "a motor vehicle", the words "a motor vehicle including agricultural tractor and its trailer" shall be substituted; (c) in sub-rule (3), after the second proviso, the following proviso shall be inserted, namely:- "Provided also that the requirements of the Non-Skid depth (NSD) and Tread Wear Indicator (IWI) specified in clause (iv) shall not be applicable for the agricultural tractor tyres.". After rule 95 of the said rules, the following rule shall be inserted, namely:- "95A. Size and ply rating of tyres for agricultural tractor.- (1) The tyre of the agricultural tractor shall have load carrying capacity as may be specified by the tyre manufacturer, subject to the condition that the maximum load specified by the agricultural tractor manufacturer shall not be greater than the load permitted by the tyre manufacturer. (2) The agricultural tractor manufacturer shall select only that rim size as recommended by the tyre manufacturer. Note: For compliance to the above two sub-rules, the following shall be referred to IS: 13154-1991 as amended from time to time - Tyres for agricultural tractor, implements and power tillers. In case a particular size of tyres is not listed in IS: 13154-1991, any equivalent International Standard like Econanic 17 9, 10. 12

13. Commission of Europe (ECE), Japanese Automotive Tyre Manufacturers Association (JATMA); European Tyre & Rim Technical Organisation (ETRTO), The Tyre & Rim Association Inc.(T & RA) and Indian Tyre Technical Advisory Committee(11TAC), etc., shall be accepted." In rule 96 of the said rules, in sub-rule (4), shall be omitted. After rule 96B of the said rules, the following rule shall be inserted, namely:- "96C. Brakes for agricultural tractor.- The braking system of the agricultural tractor shall conform to IS: 12061-1994 and IS: 12207-1999, as amended from time to time. ". In rule 98 of the said rules,- (a) for sub-rule (2), the following sub-rule shall be substituted, namely:- "(2) The steering gear of every motor vehicle shall be so constructed as to conform to IS: 12222-1987, as amended from time to time."; (b) in sub-rule (3), for the words "invalid carriages and agricultural tractors", the words "and invalid carriages" shall be substituted. (c) for sub-rule (5), the following sub-rule shall be substituted, namely:- "(5) The power steering shall be fitted in.- (a) the Category N3 multi-axle vehicles on and from 1st May, 2004; and (b) other than multi-axle vehicles of Category N3 on and from 1st December, 2004.". After rule 98A of the said rules, the following rule shall be inserted, namely:- "98B. Steering Gears for agricultural tractors.- (1) The steering gear of agricultural tractor shall be maintained in good and sound condition, free from back-lash exceeding 30 degrees on the steering wheels. All ball joints connecting the steering linkage shall be protected by rubber caps and where the connections are secured with bolts, or pins, the bolts or pins shall be effectively locked. (2) The turning circle diameter and turning circle clearance diameter of every agricultural tractor shall conform to IS: 11859-1986, as amended from time to time. (3) The steering effort requirement of agricultural tractor shall conform to Automotive Industry Standard(AIS):042 as amended from time to time, till such time the corresponding BIS standard is notified." In rule 99 of the said rules, for the words "construction equipment vehicle", the words "construction equipment vehicle and agricultural tractor" shall be substituted. 18 14. 16. 17. 18. 19. [PARTH—SEC. After rule 104A of the said rules, the following rule shall be inserted, namely:- "104B. Fitment of reflectors for agricultural tractors.- (1) Every agricultural tractor shall be fitted with two non-triangular red reflectors of not less than 28.5 sq.cm reflecting area one each on both sides at the rear. (2) The reflectors referred in sub-rule(1) of this rule shall be of the reflex type conforming to Indian Standard IS:8339-1993, amended from time to time."

15. In rule 105 of the said rules,- (a) in sub-rule (3), second proviso shall be omitted.(b) In sub-rule (4), proviso shall be omitted In rule 106 of the said rules, in sub-rule (1), the proviso to clause (a) shall be omitted. In rule 109 of the said rules, second proviso shall be omitted. In rule 112 of the said rules, in the fourth proviso, for the words "Provided the words "Provided further that in further that in the case of tractors, vertical", the case of agricultural tractors, vertical or horizontal" shall be substituted. In rule 115 of the said rules,- (a) for sub-rule (2), the following sub-rule shall be substituted; namely:- "(2) On and after 1st October, 2004, every motor vehicle operating on (i) Petrol/CNG/LPG shall comply with the idling emission standards for Carbon Monoxide (CO) and Hydro Carbon (HC) given in the Table below.- Table: Petrol/CNG/LPG driven vehicles Sr. No. 1. 2

3. Vehicle Type 2&3-- Wheelers (2/4-stroke) (Vehicles manufactured on and before 31st March 2000 2&3-- Wheelers (2-stroke) (Vehicles manufactured after 31st March 2000 2&3 Wheelers (4-stroke) (Vehicles manufactured after 31st March 2000 co % 4.5 3.5 3.5 hexane equivalent) m 9000 6000 4500 19 4. Bharat Stage-II compliant 4 wheelers 5. 4-Wheelers other than Bharat Stage II compliant 0.5 3.0 750 1500 Note: The test shall be carried out using the instrument type approved as per rule 116 (3) of the Central Motor Vehicles Rules, 1989 (CMVR) with the vehicle engine warmed up after a run of minimum 15 minutes on a variable course under normal traffic condition. During the test the vehicle engine shall be running at idling speed and the sampling probe shall be inserted into the vehicle exhaust system to a depth not less than 300mm. In case CO and/or HC emission values recorded during the test are not within the limits, the testing shall be discontinued and the vehicle owner shall be advised to resubmit the vehicle after repair/service. The idling emission standards for vehicles when operating on Compressed Natural Gas (CNG), shall contain Non-Methane Hydro Carbon (NMHC) in place of Hydrocarbon (HC) and shall be estimated by the following formula: $NMHC = 0.3 \times HC$ Where HC = Total hydrocarbon measured as n-hexane equivalent Similarly idling emission standards for vehicles when operating on Liquefied Petroleum Gas (LPG) shall contain Reactive Hydro Carbon (RHC) in place of Hydrocarbon (HC) and shall be estimated by the following formula: $RHC = 0.5 \times HC$ Where HC = Total Hydrocarbon measured as n-hexane equivalent Provided that in case of Petrol vehicles fitted with three way closed loop catalytic converters operating in a specific city or area, the Government of the respective State or Union Territory Administration, as the case may be, may, b" notification in the Official Gazette, specify the introduction of measurement of LAMBDA (dimensionless value representing burning efficiency of an engine in terms of the air/fuel ratio in the exhaust gases) and tighter emission norms for in-use vehicles with such periodicity as may be warranted, after ensuring that gas analyzers capable of measuring the values, duly approved by the testing agencies, are available in such city or area, as the case may be: Provided further that testing procedures are prescribed in TAP documents No. 115 and 116 as amended from time to time. Provided also that the compliance to the limits prescribed in the above proviso shall be included in the certificate issued by the vehicle manufacturer in Form 22 or Form 22A, as applicable for the vehicle manufactured on or after 1st October, 2004.". (ij) Smoke density for all Diesel driven- vehicles shall be as follows:- 20 GAZETTE Table: Diesel vehicles. Maximum Smoke Density [PART II—SEC. 301 Method of Test Light absorption coefficient 11m 2.45 Hartidge units 65 Free acceleration test for turbo charged engine and naturally aspirated engine. The free acceleration test shall be carried out using the instrument type approved as per CMVR 116 (3) with the vehicle engine warmed up to attain oil temperature of minimum 600 C. During each free acceleration, maximum no load speed reached shall be within bandwidth of +500 rpm of the average value in respect of 3-wheeler vehicles and +300 rpm of the average value for all other categories of vehicles. The free acceleration test shall be repeated till the peak smoke density values recorded in four successive accelerations meeting above maximum no load rpm criteria are situated within a bandwidth of 25% of the arithmetic mean (in m-1 unit) of these values or within a bandwidth 0.25 K, whichever is higher and do not form a decreasing sequence. The smoke density to be recorded shall be arithmetic mean of these four readings. In case the valid readings are not obtained within 10 free accelerations or the smoke density recorded is not within the limits, the testing shall be discontinued and the vehicle owner shall be advised to resubmit the vehicle after repair/service.". (b) in sub-rule (7), for the words "six months or any lesser period as may be 20. specified by the State Government from time to time", the words "six months" shall be substituted. In rule 115B of the said rules,- (a) for the portion beginning with the words, "Mass emission standards for vehicles" and ending with the words and figures, "Fuel shall not be less than 70%", the following words, letters and figures shall be

substituted, namely:- "Mas emission standards for vehicles when operating on Compressed Natural Gas (hereinafter in this rule referred to as "CNGII) shall be the same as are applicable for gasoline vehicles with the exception that HC shall be replaced by Non-Methane Hydrocarbon (NMHC), where NMHC = 0.3 x HC." (b) In item A, Clause (III) shall be omitted. (c) In item B, Clause (III) shall be omitted. (d) In item F, under Note, entry at Sl. No. 7, the following entry shall be substituted, namely:- "In case of conversion kits on in-use Gasoline Vehicles or converted diesel vehicles the validity of the certificates issued by the testing agencies shall apply to all such vehicles manufactured in the year of manufacture of the vehicle on which such kit has been tested and would extend till the validity of India-2000 [3(i)] 21 21. (India Stage-I) or Bharat Stage-II norms respectively as may be applicable. Testing agencies will be required to indicate specifically, the models and their variants on which the certificate will be valid." Provided that the above provisions shall come into force after one month from the date of publication of the Central Motor Vehicles (First Amendment) Rules, 2004 in the Official Gazette. In rule 115C of this said rules, in sub-rule (1), for the portion beginning with the words and figures, "(1) Mass emission standards for vehicles" and ending with the words, "Total Hydrocarbon measured", the following words, letters and figures shall be substituted, namely:- "(1) Mass emission standards for vehicles when operating on Liquefied Petroleum Gas (hereinafter in this rule referred to as "LPG") shall be same as are applicable for gasoline vehicles with the exception that HC shall be replaced by Reactive Hydrocarbon (RHC), where HC." 22. In rule 116 of the said rules, in sub-rules (2), (3), (4), (5), (6) and (8), for the words "sub-rule (2) of rule 115," the words "sub-rule (2) and sub-rule (7) of rule 115" shall be substituted

23. In rule 119 of the said rules, - (a) in sub-rule (1), for the 'words "including construction equipment vehicle", the words "including construction equipment vehicle and agricultural tractor" shall be substituted; (b) under sub-rule (1), in proviso, for the letters and figures "AIS-014/2001", the letters and figures "AIS-014" shall be substituted. (c) in sub-rule (2), for the words "motor vehicle", the words "motor vehicle including agricultural tractor" shall be substituted

24. In rule 120 of the said rules.- (a) in sub-rule (1), for the words "Every motor vehicle" , the words "Every motor vehicle including agricultural tractor" shall be substituted. (b) For sub-rule (2) including the Table, the following shall be substituted namely:- "(2) Noise standards.- Every motor vehicle shall be constructed and maintained so as to conform to noise standards specified in Part E of the Schedule VI to the Environment (Protection) Rules, 1986, when tested as per IS:3028-1998, as amended from time to time.". (c) After sub-rule (2), the following sub-rule shall be inserted, namely:- "(3) In the case of agricultural tractor, the passby noise test and the noise level test at the operator's ear level shall be carried out as per IS: 12180-2000, n as amended from time to time and shall conform to the levels as indicated in the Table below:- TABLE No. (2) Date of Implementation Six months from the date of notification Two and a half years from the date of notification Bystanders Position 90 dB (A) 88 dB (A) Operator's Ea level 100 dB (A) 98 dB (A)"

25. In rule 121 of the said rules, in sub-rule (1), for the words "construction equipment vehicle", the words "agricultral tractor and construction equipment vehicle" shall be substituted

26. In rule 122 of the sad rules, in sub-rule (1), for the words "every motor vehicle other than trailers and semi-trailers", the words "every motor vehicle including agricultral tractor and construction equipment vehicle other than trailer and semi- trailed' shall be substituted

27. After rule 124 of the said rules, the following rule shall be inserted, nanely:- "124A. Safety standards of components for agricultural tractors.- (1) The bulbs of the lamps used on agricultural tractors shall conform to IS: 1606- 1979, (c) (d) (f) (g) (h) as amended from time to time. Head light main and dip; Parking light; Direction indicator lamp; Tail lamp; Reversing lamp; Stop lamp; Rear Registration mark indicating lamp; and Top light. (2) (3) The lighting and light signalling devices for agricultural tractor shall be in accordance with AIS:030, as amended from time to time, till such time the corresponding BIS standard is notified: Provided that the performance requirements of the lighting, light signalling and indicating systems of agricultural tractor manufactured on and from ISt April, 2005 shall' be in accordance with safety standard AIS: 062, as amended from time to time, till such time corresponding BIS standards are notified. The hydraulic brake hoses wherever used in agricultural tractor and its trailer shall be in accordance with IS:7079-1995, as amended from time to time. 23 (4) (5) (6) (7) 28. The vegetable, non-mineral- based hydraulic fluids, wherever used in agricultural tractor shall be in accordance with IS: 8654-

1986, as amended from time to time. The tow hook wherever used in agricultural tractor shall be in accordance with IS: 12056-1987, as amended from time to time. The fuel tanks of agricultural tractor shall comply with the requirements laid down in IS: 12056-1987, as amended from time to time: Provided that the clause 3.2.1 of IS 12056-1987 be exempted for agricultural tractor that have a gravity feed fuel flow system. The wheel nuts and hub caps used in agricultural tractor shall be in accordance with IS: 13941-1994, as from time to time. In rule 126 of the said rule, (a) for the words "manufacturer", the words "manufacturer or importer" and for the words 'to be manufactured by him', the words "to be manufactured or imported by him" shall be substituted. (b) after the proviso, the following proviso shall be inserted, namely:- "Provided further that in respect to the vehicles imported into India as completely built units (CBU), the importer shall submit a vehicle of that particular model and type to the testing agencies for granting a certificate by that agency as to the compliance to the provisions of the Act and these rules.". 29 In Form IA of the said rules, in Note, the following shall be inserted from the date of final publication of this notification in the Official Gazette, namely:- In Form •IA of this said rules, the Note shall be numbered as "1". thereof, and after Note No. 1 as so numbered, the following Note shall be inserted namely:- "2. Dumb persons without deafness may be granted a valid certificate of driving licence for non-transport vehicle.". In Form 22 of the said rules, on and from 1st October, 2004, for the words and figures "[Rules 47 (g), 115(6), 115A, 124, 126A and 127]" the words and figures "[Rules 47 (g), 115(2) 115(6), 115(7), 115A, 124 126A and 127]", shall be substituted

31. In Form 22A of the said rules, on and from 1st October, 2004, for the words and figures "[Rules 47 (g), 124, 126A and 127]" the words and figures "[Rules 47 (g), 115(2) 115(6), 115(7), 115A, 124, 126A and 127]" , shall be substituted. 24 THE GAZETTE OF INDIA: EXTRAORDINARY 32. In Annexure VIII of the said rules, in the Table. - PART—SEC. (a) for the column heading "Certifying Authority", the Column heading "Approving/Certifying Authority" shall be substituted; (b) For items No. 1 and 2 and the entries relating thereto, the following items and entries, respectively shall be substituted, namely:- Kit LPG Component "1. a) Cylinder for wheelers above and Approving/Certifying Authority Department of Explosives, Nagpur to approve/endorse in case of foreign make Department of Explosives, Nagpur to approve/endorse in case of foreign make Clause of 026/027/Other Standards, etc. ECE-R-67-01 or 19.14899-2000 or approved under AIS Rules, as Gas b) Cylinder for two wheelers and three 2. Cylinder Valves / Multi Function Valve Cylinder Rules, 1981 ECE-R-67-01 or IS:14899-2000 or as approved under Gas Cylinder Rules, 1981 ECE-R-67-01 or 19.15100-2001 or as approved under Gas Cylinder Rules 1981". [F.NO. RT-11028/11/2002-MVL] ALOK RAWAT, Jt. secy. Note : The principal rules were notified vide G.S.R. 590(E) dated the 2nd June, 1989 and last amended vide G.S. R. 927(E), dated the 5th December, 2003. Printed by the Manager, Govt. of India Press, Ring Road, Mayapuri, New Delhi-110064 and Published by the Controller of Publications, Delhi-110054.