

राजस्थान सरकार
परिवहन विभाग

क्रमांक: प 7(523)परि/नियम/मु./2014/3035

जयपुर, दिनांक: 09.02.2018

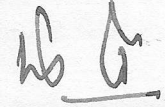
प्रादेशिक/जिला परिवहन अधिकारी
.....समस्त।

कार्यालय आदेश संख्या 02 / 2018

ई रिक्शा/ई-कार्ट के चालको को प्रशिक्षण हेतु पाठ्यक्रम

केन्द्रीय मोटर वाहन नियम, 1989 के नियम 8A के प्रावधानों के अनुसार ई-रिक्शा/ई-कार्ट के चालको को निर्माता के स्तर से चालन प्रशिक्षण कराया जाना अनिवार्य है। इस प्रशिक्षण हेतु पाठ्यक्रम का प्रारूप अनुमोदित किया जा चुका है जिसकी प्रति आपको प्रेषित कर निर्देशित किया जाता है कि आप उक्त पाठ्यक्रम का अनुकरण सुनिश्चित करावें।

संलग्न:- उपरोक्तानुसार।



(शैलेन्द्र कुमार अग्रवाल)
अतिरिक्त मुख्य सचिव
एवं परिवहन आयुक्त

प्रतिलिपि सूचनार्थ एवं आवश्यक कार्यवाही हेतु:-

प-7 (523) परि/नियम/मु./2014/3036 - 3039

दिनांक - 09.02.18

1. विशिष्ट सहायक, माननीय परिवहन मंत्री, राजस्थान सरकार।
2. निजी सचिव, अतिरिक्त मुख्य सचिव एवं परिवहन आयुक्त।
3. समस्त मुख्यालय अधिकारीगण।
4. श्री संजय सिंघल, सिस्टम एनालिस्ट को विभागीय वेबसाईट पर अपलोड करने हेतु।
5. रक्षित पत्रावली।

अपर परिवहन आयुक्त (नियम)

**TRANSPORT DEPARTMENT
GOVERNMENT OF RAJASTHAN**

Syllabus for imparting instructions in driving of E-Rickshaw/E-Cart

As per the GSR 27(E) dated 13-01-2015 (Rule 8 A of CMVR, 1989) each trainee is required to undergo at least 10 days training for driving E-rickshaw. The actual driving hours for trainees in driving E-rickshaw shall not be less than five hours in pursuance of the above, the following subject matter shall be covered during such training:-

A. Driving Theory	
1. Know your vehicle	<ul style="list-style-type: none"> • Simple introduction to traction battery, traction motor power controller and their working.
2. Vehicle control (i) Foot Controls (ii) Hand controls (iii) other controls	<ul style="list-style-type: none"> • Foot brake, • Handle Bar, Hand Brake, parking brake • Horn, Light, ignition switch, starter, dipper and indicators. • Rear-view mirror(right and left side) • Side indicators
3. Pre- driving Check	<ul style="list-style-type: none"> • Before sitting on driver's seat and After sitting on driver's seat.
4. Beginning to drive	<ul style="list-style-type: none"> • Precautions just before moving, • While moving, Stopping and Braking, • Accelerator (gradual/sudden) • Traffic sense, road sense, judgment, • Parking and positioning according to road users, • Reversing
5. Driving on the road	<ul style="list-style-type: none"> • Anticipation, judgment and road positioning according to other road users.
6. Driving at inter-sections	<ul style="list-style-type: none"> • Mirror Signal and Maneuvers (MSM) and Position Speed and Look (PSL). Zone of vision.
7. Maneuvers	<ul style="list-style-type: none"> • Merging and diverging maneuvers- turning maneuvers to left, right, and U-turn, overtaking stationary vehicle, moving vehicle in left side and right side.
8. Reversing	<ul style="list-style-type: none"> • Locating reverse gear in sitting position, speed control.
9. Parking	<ul style="list-style-type: none"> • Parallel, angular, perpendicular parking facing uphill, parking facing downhill, common errors.

10. Driver's responsibility on the road	<ul style="list-style-type: none"> • Driving behavior, consideration for other road- users, courtesy and competitiveness, over-confidence, impatience and defensive driving. • Distance between cars while driving at Railway Crossing.
11. Qualities of a good driver	<ul style="list-style-type: none"> • Patience, responsibility, self-confidence, anticipation concentration, courtesy, defensive driving, knowledge of road rules/regulations. Knowledge of vehicle controls, maintenance and simple mechanism
12. Priority for certain vehicles	<ul style="list-style-type: none"> • Emergency vehicles, Fire engines and Ambulance.
13. Defensive driving techniques	<ul style="list-style-type: none"> • Judgment • Anticipation • Escape route
14. Night Driving	<ul style="list-style-type: none"> • Location of head light switch • Procedure • Obligation to light the lamps, • Restriction on lighting the lamps
15. Emergency maneuvers	<ul style="list-style-type: none"> • Prevention is better than cure in case of skidding, horn stuck • Fire, wheels coming out • Brake failure • Burst of front tyre • sudden obstruction in front of the vehicle • Brake failure during down the slope.
16. Driving under special conditions	<ul style="list-style-type: none"> • In wet weather • In drawn, dusk and misty roads • In dense traffic.

B. Traffic Education	
1. Driving regulations	<ul style="list-style-type: none"> • Road use regulations made under section 118 of the Motor Vehicle Act, 1988. Knowledge of Road Regulations notified by ministry of Road Transport and Highways. (<u>Notification G.S.R 634(E) dated 23-06-2017 regarding rules of Road Regulations</u>)
2. Hand Signals	<ul style="list-style-type: none"> • Stop, right turn, overtaking & slow down.
3. Traffic- signals	Schedule of Motor Vehicle Act, 1988

4. Hand signals of Traffic Constables/Traffic warden	
5. Introduction to automatic light signals	<ul style="list-style-type: none"> • Understanding the order of yellow, green & red light and what these lights convey. • Blinking of yellow light. • Blinking of red light.
6. Introduction to road marking	<ul style="list-style-type: none"> • white line: continuous and broken • yellow line • lane marking • zebra- crossing • Stop-line • Parking markings • Sense of road singles
7. Speed regulations on city roads	<ul style="list-style-type: none"> • on congested road • At traffic junctions(manned & unmanned)
8. Parking at objectionable places	<p>Don't park vehicle</p> <ul style="list-style-type: none"> • At or near a road crossing, a bend , top of a hill or a humpbacked bridge; • on a foot-path • near a traffic light or pedestrian crossing; • in a main road or one carrying fast traffic; • opposite another parked vehicle or as obstruction to other vehicle; • alongside another parked vehicle; • on roads or at places or road where there is a continuous white line with or without a broken line; • Near a bus stop, school or hospital entrance or blocking a traffic sign or entrance to a premises or a fire hydrant. • on the wrong side of the road; • where parking is prohibited; • away from the edge of the footpath.
9. Some important provisions of the Motor Vehicles Act, 1988	<ul style="list-style-type: none"> • Sections 112, 113, 121, 122, 123, 125, 126, 131, 132, 134, 185, 186, 194 and 207 of the Motor Vehicle Act, 1988.
10. Know about vehicle registration Plate.	<ul style="list-style-type: none"> • State code, Authority code and number
11. Test of competence to driver E-rickshaw	<ul style="list-style-type: none"> • Sub- rule(3) of rule 15 of central Motor Vehicles Rules, 1989

12. Traffic island	<ul style="list-style-type: none"> • Types of roundabouts • Channelizes , median
13. Road Junctions	<ul style="list-style-type: none"> • Principles and types • T Junctions • Y junctions • Controlled junctions • Uncontrolled junction
14. Lane Selection and lane discipline	<ul style="list-style-type: none"> • Drive in a proper lane and change only after giving proper signal
15. Accidents	<ul style="list-style-type: none"> • Types of accidents • causes of accidents • Preventive methods • Driver's duties and responsibilities on the occurrence of accidents.
16. Important provisions in Motor Vehicle Act, 1988 (59 of 1988), Central Motor Vehicle Rules, 1989 and the State Motor Vehicle Rules.	<ul style="list-style-type: none"> • Certain definitions • Driving license and its renewal • Certificates/documents to be carried in a vehicle and production of such document on demand by checking officer • Traffic offences and penalties stipulated under the Act and Rules.

C. Vehicle mechanism and Repairs	
1. Layout of vehicle	<ul style="list-style-type: none"> • Brakes, parking brakes, location of traction battery, traction motor, power controller and charger
2. Suspension system	<ul style="list-style-type: none"> • Purpose • Springs • Leaf spring, shackle and shackle Pin • Shock absorber and its bushes
3. Brakes System	<ul style="list-style-type: none"> • Purpose • Brake maintenance and adjustment
4. Electrical system	<ul style="list-style-type: none"> • Traction Battery and its condition, electrolyte level, charging of battery • Proper locking of battery terminals and cleaning thereof • Head lights, rear lights, brake lights, reverse lights, indicators, horn • Lights –knowledge to read the charging rate in the Ampere meter
5. Tyres	<ul style="list-style-type: none"> • Maintenance • Effects of under inflation /over inflation • Effect of defective tyres.

6. Instruments cluster, dash board meters	• Their purposes and functions.
7. Maintenance and cleaning of vehicle	<ul style="list-style-type: none"> • Greasing and oiling as per recommendation of manufacturer • Seats • Body paint, protection of sharp corners/edges. • Proper looming and insulation of electric wires.

D. Public relations for drivers, gender sensitization. Knowledge of guideline for Good Samaritan in case of road accidents.

Some basic aspect about ethical and courteous behavior with other road users. Assist the senior citizen and differently able persons. Due respect the women, not to pass lewd remarks and unexpected gesture. Knowledge of guideline for Good Samaritan in case of road accidents.

E. Fire-Hazards

Fire- Fighting and prevention methods on vehicle

F.Vehicle – maintenance

- 1- Factors affecting the vehicle parts due to bad and negligent driving.
- 2- General day to day maintenance and periodical inspection
- 3- Battery maintenance
- 4- Brake maintenance.
- 5- Observation of dash- board meters.
- 6- Greasing and lubrication
- 7- Maintenance of lights, indicators

G. First- Aid

- 1- Introduction to first- aid
- 2- Outline of first- aid
- 3- Structure and functions of the body.
- 4- Dressing and bandages..
- 5- Respiration
- 6- Injuries to bones
- 7- Burning scales
- 8- Unconsciousness (insensibility)

H. Know important telephone no.

- | | |
|--------------------------------|--------------|
| 1- Police control room | 100 |
| 2- (a)Women helpline | 1091 |
| (b) Nirbhaya Sambhali Helpline | 1800 1200020 |
| 3- Ambulance helpline | 108 |
| 4- Fire Control room | 101 |

Name of the Association/Institute.....

CERTIFICATE OF TRAINING IN DRIVING OF E-RICKSHAW/E-CART

(See rule 8A of CMVR,1989)

Certificate No.

Date:

This is to certify that Shri/Smt./Kumari.....son /wife
/daughter of Shriresiding at.....was enrolled in this
Association / institute on name and.....and his/her name is registered at
serial numberin our register and that he/she has undergone the course
of training in driving of E- rickshaw/E-cart(Strike out which is not applicable)
according to the syllabus prescribed for a period
from.....To.....satisfactorily.

I am satisfied with his/her physical fitness and sense of responsibility.

Signature.....

Name.....

Designation.....

Details of registered of E- rickshaw association/ manufacture

Name.....

Address.....

Registration No.....Date.....

The enrollment of trainee (s) and the driving hours spent by a trainees are to be maintained by the associations /manufacturer of E- rickshaws in form 14 and 15 of CMVR, 1989 respectively.