



New Paradigm In Driver Training

Background

Safety on roads need good road infrastructure, strict adherence to traffic regulations, road worthy vehicles and also well trained reliable hands behind the wheel.

At present nearly 6, 00,000 new Commercial Vehicles are being put on the Indian roads every year. Since it is common practice in India that CVs run nearly 16 hrs a day, there should be at least two Drivers per vehicle. However, considering only one also implies that India requires at least six Lakh new Commercial Vehicle Drivers every year. This is in addition to Taxi Drivers and Chauffeurs and 3Wheeler Drivers.

Several attempts have been made for setting up of Driver Training Centres; however, the quality of output; the numbers coming out of such centres and the sustainability of operations has been very challenging.

In this backdrop, under the guidance of Ministry of Skills Development & Entrepreneurship and after due consultation with industry experts and Training providers, ASDC has developed a profile of a centre that would meet the objectives of quantity, quality and sustainability of the centre.

Outline profile of such a centre is in the annexure herewith.

Broadly, the centre will have infrastructure that would deliver training as per ASDC QP/NOS through classrooms, lab/workshop, simulator and a driving track for on vehicle training. The Trainers would be ASDC trained and the curriculum/content would be aligned to ASDC QP/NOS.

Such a centre when built over approx. 5 acres of land would be able to produce around 500 new Drivers in a year. The land for the centre would be owned/leased/rented by the organisation proposing to setup the centre. Some of these centres with additional 1 or 2 acres land would also accommodate training of off highway vehicles/equipments like backhoe loader, dumper etc

Delhi

October 2015



Automotive Skills Development Council

Driver Training Centre

BACKGROUND

Several attempts have been made by Industry as well as Government for establishing Driver training centres.

While there are few centres operating across the country most of them suffer on account of either inadequate infrastructure that leads to qualitative issues or the centre is unviable owing to the highly resource intensive model of operations.

New model needs to cover the “triple V” objectives of VISIBILITY, VOLUME & VIABILITY. This requires to optimize on land and capital as also on operational costs. Accordingly, the proposed model minimizes capital requirement for acceptable level of volume and visibility. Details are as follows:-

➤ Training Centre outline

Each centre to train 500 Heavy Commercial Vehicle Drivers per year as per ASDC guidelines.

• Infrastructure Outline

Description	ASDC	
Land Space	Approx 5 acres	
Buildings	Provision	Specification
Class Rooms	Yes	3 Class room 8M × 5M
Office and Staff Rooms	-	2 rooms of size each 5M × 5M
Furniture and fittings	Yes	-
Driving Laboratory	-	One hall of size 10m × 8m
Workshop	Yes	One hall of size 15m × 12m
Simulators	Yes	- Mounted on Heavy Vehicle cabin x 1nos - Mounted on Light Vehicle cabin x 1nos
Canteen	No	Buliding of size 25m × 8m includng
Hostels	No	Nil

- **Vehicle for Training**

Description	ASDC	
	Provision	Specification
Heavy Vehicle	Yes	4
Light Vehicle	Yes	1

- **Teaching and Training Equipments :**

Description	ASDC	
	Provision	Specification
Working Models	Yes	Transmission System, Electrical System, cooling system, Fuel System
Cut Section Models	Yes	One Set of cut sections of engine & other vehicles aggregates like Rear Axle assembly (Working Models) <ul style="list-style-type: none"> - Petrol Engine with clutch and gear box (4cylinder) - Diesel Engine with clutch and gear box (6cylinder)
	No	Major units engine with clutch, gear box, front axle assembly, suspension steering assembly with linkages
Failed Components	Yes	Failed componenets to illustrate linkage to bad driving <ul style="list-style-type: none"> - Clutch cover assembly - Clutch Disc - Axle Shaft - Crown wheel with pinion - Starter motor - Alernator - Piston, liners, valve - Connecting rod - Clutch cover assembly - Clutch Disc - Gear Box parts Gears:- - Top Gear Shaft - Main Shaft - Counter Gear - Axle Shaft - Crown wheel with pinion - Differential parts - Starter motor - Alernator

		- damaged tyres
Static Models in Driving Procedures	No	With the Help of the vehicle toys the following driving procedure - MSM & PSL safety Routines - IPDE principle - Stopping distance - Following distance - Curve Handling
Other Facilities	No	- Traffic Sign Boards - TV & VCR/VCD - Multimedia Projector - Magnetic Board - PC /LAPTOPS with internet facility
Workshop Equipment	Yes	Complete set of tools and other accessories such as air compressor, with tyre lever, wheel brace, jack and tyre pressure gauge, trolley jack, grease gun, spanners (a set each of fix spanners, box spanners, pliers, screw drivers, screw spanners and hammers), battery charger, a fully equipped first aid box are required for workshop for use in emergency.
Testing Equipments	No	Vision drum placed 20ft/6mts from the person - Trial set with frame - Ishihara chart (for colour Vision testing) - Near Vision chart - weighting machine - Height meter (for measuring height)
Office Equipments and other facilities	Yes	- Power - Telephone, computers and internet -UPS Xerox Machine, fax machine, lamination machine, EPABX & telephone instruments, modem, internet connection and computer with accessories. Fire extinguisher and First Aid kit

- **Simulators**

Description	ASDC	
	Provision	Specification
Mounted on Heavy Vehicle cabin	Yes	- Mounted on Heavy Vehicle cabin x 1nos
Mounted on Light Vehicle cabin	Yes	- Mounted on Light Vehicle cabin x 1nos

- **Driving Range**

As per the Track layout design refer annexure (1)

Description	ASDC	
	Provision	Specification
Annexure	Yes	Track to accommodate straight runs, round and sharp bends, humps, reversing and parking practice space. - This track should be developed at least by Compacting Earth method(may not be matted to begin with). - Track layout design is given in Annexure (A)

- **Training content**

The Curriculum/content would be aligned to ASDC QP/NOS.

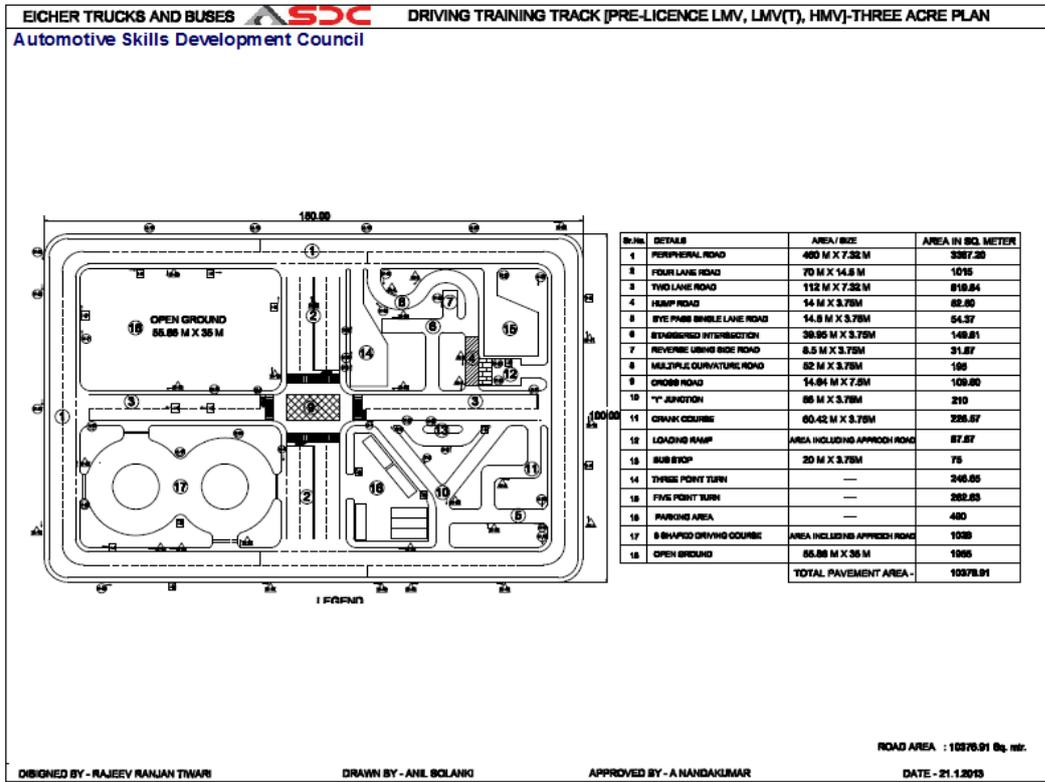
- **Human Resource**

Description	ASDC	
	Provision	Specification
Min Qualification	Yes	Trainers will be Trained by ASDC (10 th Std/ASDC certified Commercial vehicle Driver)
Valid License		Yes
Experience		3 year of driving & ASDC certification Trainer
Operation Team including Centre surface, Trainer, Mobilizer/counsellor etc - Commercial Officer -Head Trainer -Trainers on vehicle -Trainers for theory & simulator -Placement In charge -Office Assistant -Demonstrator cum maintenance technician	Yes	-
Person for Civil Maintenance/housekeeping/security	Yes	-

Annexure (A)

Track Layout Design Options

- 3 Acre



- 6 Acre

