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 மூன்றாம் நிலைக்கல்வி, தொழிற்கல்வி ஆணைக்குழு
TERTIARY AND VOCATIONAL EDUCATION COMMISSION



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 இளைஞர் அலுவலகம் மற்றும் திறன்கள் அபிவிருத்தி அமைச்சு
Ministry of Youth Affairs & Skills Development

දිනය
 திகதி
 Date

22/10/2013

මගේ අංකය
 எனது எண்
 My No.

TVEC/9/12

ඔබේ අංකය
 உமது எண்
 Your No.

NVQ Circular : 07/ 2013

**Guidelines to get Accreditation
 for Construction Equipment Operator Courses**

1. Objective of the Circular

CBT Curricula for Construction Equipment Operator has specified the course durations for training in different Construction Equipment and many training institute have interpreted them differently. In some instances, appropriate Machine / Instructor / Trainees ratios are not maintained. These issues were discussed with developers of the National Competency Standard and Curricula and training providers and course durations and ratios agreed upon are given in this circular. These course duration and ratios were validated by the National Industrial Training Advisory Committee and approved by the Board of Commission of TVEC by Commission Memo No 189/12.

2. Different Phases of Course Delivery

Course is consisted of following phases.

- i. Basic Modules which are common to all the Construction Machines
- ii. Machine Theory and Demonstration – An Instructor demonstrates and explains the machine operation.
- iii. Operation of Machines by individual trainees
- iv. Observation of machine operation- One trainee operates the machine under instruction and supervision of an Instructor and other trainees of the group observe the machine operation and listen to instructor's advices.
- v. On the job training essential to NVQ level 4 to more practice time in real work environment and should be placed to cover the modules which are not covered in the training centre.
- vi. Initial Training - Training in first machine
- vii. Further Training - Training in 2nd and subsequent machines

3. Machine / Instructor / Trainee Ratio

- i. Instructor / Trainee Ratio in Basic Module

Theory	1: 40
Practical	1 : 6
- (For more details, refer NVQ Circular 02/2012 Trainer – Trainee Ratio for TVET Courses)
- ii. Instructor / Trainee Ratio in Machine Theory and Demonstration 1 : 20



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- iii. Instructor / Trainee Ratio in Individual Operation 1 : 1
- iv. Instructor / Trainee Ratio in Observation of machine operation by trainees 1 : 6
- v. Machine / Instructor ratio to ensure safety 1 : 1

4. Training in Machines

	Machine/ Competency Unit	N	Initial Training				Further Training			
			Basic Module and Theory and Demonstration	Individual Operation	Observation of machine operation	Observation of machine operation	Theory and Demonstration	Individual Operation	Observation of Machine Operation	Observation of Machine Operation
			Hour	Hour	Hour	Hours	Hour	Hour	Hour	Hours
1	Crawler Dozer	3	60	15-20	75	-	30	10	30	-
2	Crawler Dozer-Advance	4	60	15-20	75	6	30	10	30	6
3	Self Powered Roller	4	60	15-20	75	6	30	10	30	6
4	Motor Grader	4	60	15-20	75	6	30	10	30	6
5	Motorized Scraper	4	60	15-20	75	6	30	10	30	6
6	Crawler Excavator	3	60	15-20	75	-	30	10	30	-
7	Crawler Excavator-Advanced	4	60	15-20	75	6	30	10	30	6
8	Wheel Excavator	3	60	15-20	75	-	30	10	30	-
9	Wheel Excavator-Advance	4	60	15-20	75	6	30	10	30	6
10	Boggy Mounted Excavator	3	60	15-20	75	-	30	10	30	-
11	Wheel Front End Loader	4	60	15-20	75	6	30	10	30	6
12	Crawler Front End Loader	4	60	15-20	75	6	30	10	30	6
13	Back Hoe Loader	3	60	15-20	75	-	30	10	30	-
14	Back Hoe Loader-Advanced	4	60	15-20	75	6	30	10	30	6
15	Crawler Rock Drill-Advanced	4	60	15-20	75	6	30	10	30	6
16	Crawler Crain	4	60	15-20	75	6	30	10	30	6
17	Tower Crane	4	60	15-20	75	6	30	10	30	6
18	Truck Mixer	3	60	15-20	75	-	30	10	30	-
19	Pump Cart	3	60	15-20	75	-	30	10	30	-
20	Concrete Mixer	3	60	15-20	75	-	30	10	30	-
21	Concrete Batching Plant	3	60	15-20	75	-	30	10	30	-

5. Subjects to be covered Under Basic Modules

- Attend Daily Maintenance work
- Follow institutional Procedures and Regulation
- Attend Safety Procedures
- Communicate with Superiors / Subordinates / Colleagues
- Demonstration of relevant machine operation

as specified in Curricula for Construction Equipment Operator.

6. These NVQ qualifications certify the competencies to operate Construction machinery and equipment in construction sites. This qualification is not a license to drive the machines on roads. Further, it may not valid for insurance.
7. **All training providers are expected to adhere to and implement this circular with effect from 01.11.2013.**


Dr. S.B.R. Perera
Director General