National Vocational Certificate Level 1 in Electrical Equipment Installation and Repair

CBT Curriculum

Set NAVTTC

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Date of approval by NCRC:

29th -30th October 2014

Date of Notification:

10th December 2014, vide notification no F.2-1/2013-DD(VT)

This curriculum has been produced by the National Vocational & Technical Training Commission (NAVTCC) with the technical assistance of TVET Reform Support Programme, which is funded by the European Union, the Embassay of the Kingdom of the Netherland, Federal Republic of Germany and the Royal Norwegian Embassy. The Programme has been commissioned by the German Federal Ministry for Economic Cooperation and Development and is being implemented by the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH.

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1. Introduction

Today's 'Demand of worlds' has undergone radical changes. The emergence of new technologies, global markets for products and services, and international competition require economies to upgrade and enhance the skill level of their human resources. Technical and Vocational Education and Training (TVET) systems all over the world are constantly challenged by this question of how to respond to the demand of a knowledge-based economy. As TVET systems and their training programmes directly relate to the world of work in terms of quantity and quality output, the approach of TVET programmes need to focus on the acquisition of technical and non-technical skills, also referred to employability skills.

With the release of the National Skills Strategy 2009-2013 the Pakistan government has made skills development a political priority. The framework for skills development aims to:

- > Change TVET education from time-bound, curriculum-based training to flexible, competency-based training;
- Bring about a shift from supply-led training to demand-driven (outcome-based) skills development by promoting the role of industry in designing and delivering TVET.

The curriculum for *Electrical Equipment Installer & Repairer (Level 1) – Level 1* aims to respond to this demand. Ithas beendeveloped asan outcome-based course designed to teach the employability skills needed to succeed in a high-performance work environment, as defined by labour market requirements. Although occupation specific, this course seamlessly articulates with advanced training programmes on NVQF level 2, such as *Electrical & Electronic Assembler (Assistant), Electro Machine Installer& Repairer (Assistant), Building Electrician (Assistant), andIndustrial Electrician(Assistant).*

1.1 course objective

The overall objective of this introductory course is to teach trainees transferable skills necessary to succeed in the ever-changing workplace through teamwork, problem-solving, communication, self-management, and career readiness. Trainees will enhance soft skills, basic workplace skills, interpersonal skills, communication skills, and leadership skills while becoming career-ready.

1.2 Course competencies

Curriculum modules (training input) are clusters of competenciesexpressed inlearning units, learning outcomes, and learning elements. After successful completion of the two curriculum modules of this course, the traineehas gained a range of competencies required to proceed in the world of work. The competencies stated in table 1 reflect the industry requirements expressed in competency standards (training output).

Table 1: Relationship of curriculum modules with competency standards

Curriculum Modules (training input)	Competency Standards (training output)
Module 1: Workshop introduction LU-1: Health and safety precaution LU-2: Carry out basic maintenance LU-3: Demonstrate positive workplace attitude and behaviours	 Maintain health, safety and cleanliness Carry out maintenance procedures as Electrical Equipment Installer & Repairer (Level 1) Apply a problem solving method Demonstrate positive workplace attitude and behaviours
Module 2: Workshop communication LU-1: Communicate in the workplace LU-2: Complete work documents LU-3: Apply basic numeracy LU-4: Develop personal career portfolio	 Communicate in different work contexts Apply basic reading, writing and speaking skills in different life contexts Apply basic numeracy skills in different life contexts Produce a plan for career options related to a Electrical Equipment Installer & Repairer (Level 1)

1.3 Job opportunities

The level 1 training course related to *Electrical Equipment Installer & Repairer (Level 1)*transfers work-readiness skills (employability skills) and articulates with a number of level 2 training programmes in Electrical Engineering.Based on the design and flexible approach qualified trainees will find opportunities in a number of specialised areas to workas a 'Level 1', such as *Electrical & Electronic Assembler (Level 1), Electro Machine Installer & Repairer (Level 1), Building Electrician (Level 1), and Industrial Electrician (Level 1).*

After completion of the level 2 training programme qualifiedtrainees can further progress and embark on a career in the field of Electrical Engineering, providing job opportunities as Technician, Foreman, Manager, Owner or Electrical Engineer in government, semi-government or private enterprises. Experienced Electricians may advance through promotions with the same employer or by moving to more advanced positions with other employers.

1.4 Trainee entry level

Individuals who wish to enter this course of study have to comply against the following criteria:

- ➢ Grade 8 (Middle) or equivalent;
- > Comfort level of English language and mathematics;
- > Satisfactory completion of appropriate admission assessment test/interview.

1.5 Trainer requirements

Trainers who wish to offer this programme should meet one of the following requirements:

- > B.Sc. Eng. and 2 years of relevant work experience; or
- > B-Tech and 4 years of relevant work experience; or
- > Diploma Associate Engineer (DAE) and 5 years relevant work experience; or
- Certificate issued by authentic authority/body as Electrical Equipment Installer & Repairer with 8 years relevant work experience

Trainers offering this programme must be computer literate and be conversant with the delivery of competency-based education and training (CBET). All legislative requirements applicable to carry out training and assessment, if any, must be complied with.

1.6 Teaching strategies in a competency-based environment

Training in a competency-based environment differs from the traditional method of training delivery. It is based on defined competency standards, which are industry oriented.

The traditional role of a trainer changes and shifts towards the facilitation of training. A facilitator in CBETencourages and assists trainees to learn for themselves. Trainees are likely to work in groups (pairs)and all doing something different. Some are doing practical tasks in the workshop, some writing, some not even in the classroom or workshop but in another part of the building using specialist equipment, working on computers doing research on the Internet or the library. As trainees learn at different pace they might well be at different stages in their learning, thus learning must betailored to suit individual needs.

The following facilitation methods (teaching strategies) are generally employed in CBET programmes:

- Direct Instruction Method: This might beeffective when introducing a new topic to a larger group of trainees in a relative short amount of time. In most cases this method relies on one-way communication, hence there are limited opportunities to get feedback on the trainee's understanding.
- Discussion Method: This allows trainees to actively participate in sharing knowledge and ideas. It will help the trainer to determine whether trainees understand the content of the topic. On the other hand, there is a possibility ofstraying offtopic under discussion and some trainees dominating otherson their views.
- Small Group Method: Pairing trainees to help and learn from each other often results in faster knowledge/skill transfer than with the whole class. The physical arrangement of the classroom/workshop and individual assessment may be challenging.
- Problem Solving Method: This is avery popular teaching strategy for CBET. Trainees are challenged and are usually highly motivated when they gain new knowledge and skills by solvingproblems (Contingency skills). Trainees develop critical thinking skills and the ability to adapt to new learning situations (Transfer skills). It might be time consuming and because trainees sometimes work individually, they may not learn all the things that they are expected to learn.
- Research Method: This is used for workshops and laboratory tasks, field experiments, and case studies. It encourages trainees to investigate and find answers for themselves and to critically evaluate information. It however requires a lot of time and careful planning of research projects for the trainee.

1.7 Medium of instruction

Instructions will be provided in Urdu, local languages and/or English.

1.8 Sequence and delivery of the modules

The curriculum for *Electrical Equipment Installer & Repairer (Level 1) – NVQF level 1*, consists of two (2) modules and should be delivered in the following sequence:

Module 1:Workplace introduction

Learning units within this module can be delivered interchangeably as stand-alone modules or in a holistic approach

Module 2:Workplace communication

Learning units within this component will provide knowledge and skills to effectively communicate verbally and non-verbally.

All theoretical content related to the modules should be delivered, where possible, in an applied settingrelated to the *Electrical Equipment Installer & Repairer (Level 1)* work environment.

2. Overview about the programme:

Curriculum for Electrical Equipment Installer & Repairer (Level 1) – NVQF Level 1

Module Title and Aim	Learning Units	Theory ¹ hours	Workplace ² hours	Timeframe of modules
Module 1: Workplace introduction				
Aim:	LU-1:			
To provide trainees with the knowledge	Maintain health and safety			
and skills to carry out safely basic	LU-2:	65	95	160
maintenance work asElectrical Equipment Installer & Repairer (Level 1)	Carry out basic maintenance	05	35	100
	LU-3:			
	Demonstrate positive workplace attitude and behaviours			
Module 2: Workplace communication				
Aim:	LU-1:			
To provide trainees with the knowledge	Communicate in the workplace			
and skills to effectively communicate	LU-2:			
verbally and non-verbally in aElectrical Equipment Installer & Repairer (Level 1)	Complete work documents	115	55	170
work environment	LU-3:			
	Apply basic numeracy			
	LU-4:			
	Develop personal career portfolio			

¹Learning hours in training provider premises ²Training workshop, laboratory and on-the-job workplace

3. Electrical Equipment Installer & Repairer (Level 1)Curriculum Contents

Module 1:	Workplace introduction				
Objective of the Module:	 industry standards and/or industry standards and/or industry Maintain health and Carry out maintena Apply a problem so 	d safety Ince procedures as part of E	lectrical Equipment		
Duration:	Total: 160 hours	Theory:	65hours	Practice:	95hours
Learning Unit	Learning Outcomes	Learning Elements	Duration(Hours)	Materials Required	Learning Place
LU-1: Maintain health and safety This learning unit addresses competency standard(s): FL-001 – A1/2/3/4* FL-011 – A3* * In absence of a	 1.1 Define the term 'hazard' 1.2 Identify the different types of hazards 1.3 Describe the different ways of controlling hazards 	Definition • Hazard • Acute hazards • Chronic hazards • Elimination • Substitution • Enclosure or isolation • Work practices • Training and education • Administrative controls	Total 60 Theory 20 Practical 40	 Fire extinguisher Fire blanket Fire bucket Safety signage Personal protective equipment and clothing Teaching aids Flip charts Computer 	Classroom Workplace
national coding system for competency standards, internal training provider codes are being used	1.4 Describe the procedures for reporting hazards	Procedures for reporting hazards	-	(preferably with internet access)	
a. e a bing dood	1.5 Define the term 'personal protective equipment and clothing'	DefinitionPersonal protective equipment and clothing			

1.6 Identify different types of personal protective clothing and equipment, their use and storage	Clothing • Overall • Steel cap boots • High visibility vest • Jacket • Rubber insulated gloves Equipment • Safety goggles • Safety hat • Ear muffs/plugs Use and storage	
1.7 Define the term 'emergency' and 'evacuation'	Definition Emergency Definition Evacuation 	
1.8 Identify emergency situations	 Accidents Fire Electric shock Flood Chemical spill 	
1.9 Demonstrate procedures for dealing with emergency situations	Roles and responsibilities Safety officer Supervisor 	
1.10 Demonstrate evacuation procedures	Worker Procedures	

- [1	
1.11 List fire prevention methods	House keepingTraining	
1.12 Describe the different classes of fire	 Class A – wood, paper or cloth Class B – liquids Class C – gas Class E - electrical 	
1.13 Identify different types of fire fighting equipment	Fire blanketFire extinguisher	
1.14 Demonstrate use of fire fighting equipment	 Procedures for using fire fighting equipment 	
1.15 Describe the key features of safety signs and symbols	ShapeColourGraphics	
1.16 Explain the meaning of safety and electrical signs and symbols	 Hazard identification Facility or location signs Site safety Directional Traffic Warning signs and symbols Basic Electric Symbol 	
1.17 Describe the importance of cleanliness	Personal hygieneWorkplace cleanliness	

	1.18 Demonstrate procedures for handling and storing items and materials	 Procedures for handling and storing 			
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LU-2: Carry out basic maintenance This learning unit addresses competency standard(s): FL-003 – A1/2/3*	 2.1 Define the terms 'preventive' and 'corrective maintenance' 2.2 Describe benefits of preventive maintenance 	Definition • Preventive maintenance • Corrective maintenance Benefits may include: • Safety • Efficiency • Time- and cost saving	Total 60 Theory 15 Practical45	 Hand tools Tools and materials for cleaning, lubricating, sharpening, oiling, and insulating Labels Storage facilities 	Classroom Workplace
FL-011 – A1/2* * In absence of a national coding system for competency standards, internal training provider codes are being used	2.3 Identify hazards associated with preventive maintenance	Hazards may include but are not limited to: • Cuts • Burns • Electric shocks • Fire • Explosion		 Examples of workplace documentation Safety signage Personal protective equipment and clothing 	
	2.4 Demonstrate procedures for conducting basic checks on tools and equipment	 Labeling of functional and non-functional tools and equipment 		 Teaching aids Flip charts Computer (preferably with internet access) 	
	2.5 Perform basic maintenance procedures as part of Electrical Equipment Installer & Repairer (Level 1)	Maintenance programme Cleaning and lubricating Sharpening Oiling Insulating 			

2.6 Demonstrate procedures for storing tools and equipment	 Inventory of tools and equipment Proper storage of tools and equipment Documentation of maintenance procedures 			
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2.7 Demonstrate problem solving procedures as Electrical Equipment Installer & Repairer (Level 1)related to preventive maintenance	 Apply the Bransford IDEAL model (problem solving) Identify the problem Define the problem through thinking about it and sorting out the relevant information 		
	• Explore solutions through looking at alternatives, brainstorming, and checking out different points of view		
	 Act on strategies 		
	 Look back and evaluate the effects of your capacity 		

LU-3: Demonstrate	3.1 Define the term 'work ethic'	Definition Work ethic 	Total 40	Teaching aids Flip charts Computer	Classroom
Demonstrate positive workplace attitude and behaviours This learning unit addresses competency standard(s): FL-007 – A1/2/3* * In absence of a national coding system for competency standards, internal training provider codes are being used	3.2 Describe factors that demonstrate strong work ethic	Work ethic factors Integrity - Confidentiality Sense of responsibility - Time management Emphasis on quality - Commitment to work Discipline - Patience and tolerance Sense of teamwork - Meeting goals as a team Customer service Communication Attire Influencing factors, such as: Anger Stress	40 Theory 30 Practical10	• Prip charts • Computer (preferably with internet access)	
		 Depression Ways to assess own professional behaviour 			

Module 2:	Workplace communication
Objective of the Module:	 On completion of this module the trainee will be able to demonstrate the following competencies according to industry standards and/or requirements: Communicate in different work contexts

	Apply basic numeracy	riting and speaking skills in Eng skills in different life contexts eer options related to Electrical	-		.evel 1)
Duration:	Total: 170 hours	Theory:	115hours	Practice:	55hours
Learning Unit	Learning Outcomes	Learning Elements	Duration	Materials Required	Learning Place
LU-1: Communicate in the workplace	1.1 Define technical terms related to succeeding on the job	Terms pertaining to basic work skillsin Electrical Equipment Installer & Repairer (Level 1)	Total 30 Theory 15	 Examples of workplace documentation Workplace forms 	ClassroomWorkplace
This learning unit addresses competency	1.2 List different types of communication	Face to face Verbal and non verbal 	Practical	Safety signageTeaching aids	
standard(s):		Written	10	(Flip charts,	
FL-002 - A1/2/3*		Work instructions		Computer(prefera	
FL-005 – A3*		 Specifications 		bly with internet	
* In absence of a national coding system for		 Safety sheets 		access), etc)	
competency standards,		Notice boards			
internal training provider codes are being used		Visual			
g		 Safety signs 			
		 Hand signals 			
		Electronic			
		 Purpose and function of electronic communication devices, such as: 			
		- Two way radio			
		- Telephone, Facsimile			
		- E-mail			

1.3 Demonstrate receiving and responding to information using different communication types	 Effective face to face communication Appropriate communication etiquette 		
	 Effective written communication 		
	 Appropriate communication etiquette 		
	 Effective visual communication 		
	 Appropriate communication etiquette 		
	 Effective electronic communication 		
	 Appropriate communication etiquette 		

LU-2: Complete work- related documents This learning unit addresses competency standard(s): FL-002 – A4* FL-005 – A1/2* * In absence of a national coding system for competency standards, internal training provider	2.1 Assess the need for accurate written directions to complete a task	Interpretation of texts, key words and phrases, in work related documents, such as • Workplace forms • Job cards • Installation guides • Manufacturers' specifications Completion of work related documents • Workplace forms • Job cards	Total 60 Theory 40 Practical20	 Examples of workplace documentation Workplace forms Job cards Installation guides Manufacturers' specifications Technical literature Safety signage 	Classroom Workplace
codes are being used	2.2Write a short reportin simple English for practical purposesrelated to theElectrical Equipment Installer & Repairer (Level 1) work environment	Planning • Introduction • Conclusion • Summary Drafting Editing • Spelling • Grammar • Punctuation		 Teaching aids Flip charts Computer (preferably with internet access) 	
	2.3 Demonstrate understanding from reading a simple text related tothe work of a Electrical Equipment Installer & Repairer (Level 1)	Purpose of text Main idea(s) of text Key words and phrases Opinion on text			

LU-3: Apply basic Apply basic dimensional shapes This learning unit addresses competency standard(s): FL-006 – A 1/2/3/4/5* * In absence of a national coding system for competency standards, internal training provider codes are being used Apply basic Image: Note that the standard for the system for competency standards, internal training provider codes are being used Image: Note that the system for competency standards, internal training provider codes are being used	Two or three dimensional shapes may include: • Rectangle • Triangle • Sphere • Cube • Cylinder • Pyramid • Square • Polygons • Circle • Cuboids Use correct terminology, such as: • Horizontal • Vertical • Parallel • Sides • Corners • Edges • Arc • Angles • Degrees • Length • Width • Breadth • Height	Total 50 Theory 40 Practical10	 Two- and three dimensional shapes / objects Measuring instruments, such as rulers, watches / clocks, scales, thermometers, AVO meter, gravity meter Teaching aids Flip charts Computer (preferably with internet access) 	• Classroom • Workplace
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	StraightPoints		
	Points		
	 Diameter 		
	Radius		
	Circumference		

	Τ	T
3.2 Sketch in diagrammatic	Two or three dimensional	
form simple two and	objects may include:	
three-dimensional shapes and objects	Rectangle	
and objects	Triangle	
	Sphere	
	• Cube	
	Cylinder	
	Pyramid	
	Square	
	Polygons	
	• Circle	
	Cuboids	
3.3 Assemble simple three-	Simple three dimensional	-
dimensional objects by	objects may include:	
following construction	• Cube	
instructions, plans or diagrams	Cylinder	
	Pyramid	
	Cuboids	
3.4 Identify measuring instruments used asElectrical Equipment Installer & Repairer	Measuring instruments for Electrical Equipment Installer & Repairer (Level 1) may include:	-
(Level 1)	 Rulers, including use 	
	Watches / clocks	
	Scales	
	Thermometers	
	AVO meter	
	Gravity meter	

		3.5 Calculate area and volume of regular shapes and objects	Simple formulae for calculating area and volume			
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3.6 Demonstrate basic calculation procedures related to money and time, including whole numbers, simple fractions and decimals	Money • Addition • Subtraction • Division • Percentage • Rounding Time • Calculate time lapsed • Summation of time • Appending additional time		
3.7 Demonstrate knowledge of graphs and tables	 Graphs may include: Simple line and bar graphs Tables may include: Simple two and three column tables Tables used in everyday 		
	life such as timetables Collect, sort and record data • Preparation of basic data, tables and graphs Construct and label graphs		
	IncreasingDecreasingConstant value		

3.8 Demonstrate use of	Simple formulae and		
simple formulae and	algebraic expressions may		

	algebraic expressions	relate to:			
		• Area			
		Perimeter			
		 Dimensions of regular and irregular shapes 			
		Verification may include:			
		 Estimation 			
		 Backtracking 			
		Improve			
LU-4:	4.1 Describe the purpose of	Personal development	Total	 Teaching aids 	Classroom
Develop a personal	developing a personal	Compatible career	30	 Flip charts 	
career portfolio	career profile	options	Theory	Computer	
This learning unit		 Sources for career information 	20 Practical10	(preferably with internet access)	
addresses competency standard(s): FL-016 – A1/2*	4.2 Assess personal values, knowledge, aptitudes, skills, interest,	 Analysis of own knowledge, skills, and abilities 			
* In absence of a national coding system for	experience, and accomplishments	 Compatible career options 			
competency standards, internal training provider codes are being used		 Sources for career information 	_		
	4.3 Identify realistic and	 Short-term goals 			
	measurable personal and professional goals	 Long-term goals 			
	professional goals	 Milestones 			
		 Completion date 			
		 Criteria for review 			
		Time period			

4. Assessment guidance

Competency-based assessment is the process of gathering evidence to confirm the candidate's ability to perform according to specified outcomes articulated in the competency standard(s).

4.1 Types of assessment

a) Sessional assessment

The goal of sessional assessment is to monitor student progress in order to provide constant feedback. This feedback can be used by the trainers to improve their teaching and by learners to improve their learning.

More specifically, sessional assessments Help learners to identify their strengths and weaknesses and Help trainers to recognise where learners are struggling and address problems immediately

Examples of sessional assessments include:

- Observations
- Presentations
- Activity sheets
- > Project work
- Oral questions
- b) Summative (final) assessment

The goal of summative (final) assessment is to evaluate learning progress at the end of a training programme by comparing it against, e.g. set of competency standards.

Examples of summative assessments include:

- Direct observation of work activities
- Final project
- > Written questions

4.2 Principles of assessment

When conducting assessment or developing assessment tools, trainers/assessors need to ensure that the following principles of assessment are met:

Validity

Indicates if the assessment outcome is supported by evidence. The assessment outcome is valid if the assessment methods and materials reflect the critical aspects of evidence required by the competency standards (Competency units, performance criteria, knowledge and understanding).

Reliability

Indicates the level of consistency and accuracy of the assessment outcomes. The assessment is reliable if the assessment outcome will produce the same result for learners with equal competence at different times or places, regardless of the trainer or assessor conducting the assessment.

Flexibility

Indicates the opportunity for learners to discuss certain aspects of their assessment with their trainer or assessor, such as scheduling the assessment. All learners should be made aware of the purpose of assessment, the assessment criteria, the methods and tools used, and the context and proposed timing of the assessment well in advance. This can be achieved by drawing up a plan for assessment.

Fair assessment

Fair assessment does not advantage or disadvantage particular learners because of status, race, beliefs, culture and/or gender. This also means that assessment methods may need to be adjusted for learners with disabilities or cultural differences. An assessment should not place unnecessary demands on learners that may prevent them from demonstrating competence.

4.3 Assessment template – Sessional and Summative assessment

Module 1: Workplace introduction

Learning Units	Recommended fo	rm of assessment
	Sessional	Summative
Maintain health and safety This learning unit addresses competency standard(s): FL-001 – A1/2/3/4* FL-012 – A3* * In absence of a national coding system for competency standards, internal training provider codes are being used	 Observation Activity sheets Simulation Oral and written questions Demonstration 	
Carry out basic maintenance This learning unit addresses competency standard(s): FL-003 – A1/2/3* FL-012 – A1/2* * In absence of a national coding system for competency standards, internal training provider codes are being used	 Observation Activity sheets Simulation Oral and written questions Demonstration 	 Integrated assessment: Project Demonstration Role play Oral and written questions
Demonstrate positive workplace attitude and behaviours This learning unit addresses competency standard(s): FL-007 – A1/2/3* * In absence of a national coding system for competency standards, internal training provider codes are being used	 Observation Activity sheets Simulation Oral and written questions Demonstration 	

Module 2: Workplace communication

Learning Units	Recommended for	orm of assessment
	Sessional	Summative
Communicate in the workplace	Observation	
This learning unit addresses competency standard(s):	Activity sheets	
FL-002 - A1/2/3*	Role play	
FL-005 – A3*	Oral and written questions	
* In absence of a national coding system for competency standards, internal training provider codes are being used		
Complete work-related documents	Observation	
This learning unit addresses competency standard(s):	Activity sheets	
FL-002 - A4*	Role play	
FL-005 – A1/2*	Oral and written questions	Integrated assessment:
* In absence of a national coding system for competency standards, internal training provider codes are being used		 Project Demonstration
Apply basic numeracy	Observation	Role play
This learning unit addresses competency standard(s):	Activity sheets	Oral and written
FL-006 - A1/2/3/4/5*	Role play	questions
* In absence of a national coding system for competency standards, internal training provider codes are being used	Oral and written questions	
Develop a personal career portfolio	Oral and written questions	
This learning unit addresses competency standard(s): FL-017 – A1/2*		
$\Gamma L^{*} U I I = A I / Z$		
* In absence of a national coding system for competency standards, internal training provider codes are being used		

5. List of Tools, Machinery & Equipment

Occupational title		Electrical Equipment Installer & Repairer (Level 1) – Level 1		
Duration		3 months		
Sr. No.		Name of Item/ Equipment / Tools	Quantity	
1.	Fire extinguishe	er	As per SOP requirement	
2.	Fire blanket			
3.	Fire bucket			
4.	Personal protective equipment and clothing			
5.	Teaching aids (Learning material, visual material)			
6.	Flip charts			
7.	Computer			
8.	Hand tools			
9.	Tools and materials for cleaning, lubricating, sharpening, oiling, and insulating			
10.	Tags/Labels			
11.	Storage facilities			
12.	Examples of workplace documentation, Workplace forms, Job cards, Installation guides, Manufacturers' specifications, Technical literature			
13.	Safety signage			

6. List of Consumable Supplies

Occupational title		Electrical Equipment Installer & Repairer (Level 1) – Level 1		
	Duration	3 months		
Sr. No.		Name of Consumable Supplies	Quantity	
1.	Notepad			
2.	Ball pens			
3.	Pencils			
4.	Erasers			
5.	Sharpeners			
6.	White board markers in different colours			
7.	Stapler			
8.	Paper punch			
9.	Ruler			
10.	Compass			