



National Competency Standards Level-5 for Environmental Technology
“Environmental Supervisor”



**National Competency Standards Level-5 for Environmental
Technology
“Environmental Supervisor”**



**National Vocational and Technical Training Commission (NAVTTTC),
Government of Pakistan**



National Competency Standards Level-5 for Environmental Technology
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ACKNOWLEDGEMENTS

National Vocational and Technical Training Commission (NAVTTTC) extends its gratitude and appreciation to representatives of business, industry, academia, government agencies, provincial TEVTAs, sector skill councils and trade associations who spared time and extended their expertise for the development of National Vocational Qualification for the trade of **Level-5 for Environmental Technology “Environmental Supervisor”**. This work would not have been possible without the technical support of the above personnel.

NAVTTTC initiated development of CBT&A based qualifications for 200 traditional / hi-tech trades under the Prime **Minister’s Hunarmand Pakistan Program**, focusing on Development & Standardization of 200 Technical & Vocational Education & Training (TVET) Qualifications. NAVTTTC efforts have received full support from the Ministry of Federal Education and Professional Training which highly facilitated progress under this initiative.

It may not be out of place to mention here that all the experts of Industry, Academia and TVET experts of TEVTAs, BTEs and PVTC work diligently for making this qualification worthy and error free for which all credit goes to them. However, NAVTTTC accepts the responsibility of all the errors and omissions still prevailing in the Qualification document.

It is also noteworthy that development of Skill Standards is a dynamic and ongoing process, and the developed skill standards needs periodic review and updating owing to the constant technological advancements, development in scientific knowledge, and growing experience of implementation at the grass root level as well as the demand of industry. NAVTTTC will ensure to keep the qualifications abreast with the changing demands of both national and international job markets.

Sajid Baloch
Executive Director (NAVTTTC)



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1. Introduction

Climate change is already happening in the world today, and largely caused by human emissions of greenhouse gases. Changes to the earth's climate have included: warming of the atmosphere and oceans, reduced snow and ice, a rise in the level of the oceans, and changes in rainfall patterns and climate extremes. According to the latest research from the Intergovernmental Panel on Climate Change (IPCC), we have less than 11 years to make the transformation necessary to avoid the worst impacts of climate change. The level of carbon dioxide in the atmosphere would have to be cut by 45 per cent by 2030 to prevent global warming above 1.5°C. In other words, the threshold at which the worst impacts of climate change could be averted.

This Environmental Technology program will provide you with theoretical and practical knowledge to protect, conserve and preserve the environment with a career as an environmental technologist. The program will give you the skills and knowledge you need to work in the laboratory or field as an Environmental Technologist. You will work for the protection, conservation and preservation of our natural environment. The course applies the chemical, physical and biological sciences to environmental issues, and relates these issues to various possible career paths.

The Environmental Supervisor duties include conducting on site trainings and drills, performing analysis of administrative and technical tasks, supervising a team, assisting in implementation of environmental management system, and following green skills.

Being conscious of the emerging trends in the market, National Vocational & Technical Training Commission (NAVTTC) has developed competency standards in consultation with the stakeholders including academia, researchers, industry, chambers and TEVTAs for Level-5 Environmental Technology “Environmental Supervisor” under National Vocational Qualifications Framework (NVQF). The competency standard document has been designed to help trainees develop professional skills and facilitate them in targeting job market on national and international level especially Middle East.



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2. Purpose of the Qualification

The purpose of this qualification is to set the highly professional standards for “Environmental Supervisor” in order to compete local and international job market. The specific objectives of developing these qualifications are as under:

- Empower the youth with globally required employable skills.
- Cater the immediate need of skilled workers in GCC countries
- Produce competitive Environmental Supervisor
- Improve the quality and effectiveness of the training and assessment for Environmental Supervisor

3. Date of Validation

The National Competency Standards Level-5 for Environmental Technology “Environmental Supervisor” has been validated by the Qualifications Validation Committee (QVC) members on 29th April, 2022 and will remain valid for ten years i.e. 28th April, 2032.

4. Date of Review

The National Competency Standards Level-5 for Environmental Technology “Environmental Supervisor” has been validated by the Qualifications Validation Committee (QVC) members on 29th April, 2022 and shall be reviewed after three years 29th April, 2025.



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5. Codes of Qualifications

The International Standard Classification of Education (ISCED) is a framework for assembling, compiling and analyzing cross-nationally comparable statistics on education and training. ISCED codes for these qualifications are assigned as follows:

ISCED Classification	
Code	Description
0712-EPT (2)	National Competency Standards Level-2 for Environmental Technology “Environmental Services Attendant”
0712-EPT (3)	National Competency Standards Level-3 for Environmental Technology “Assistant Environmental Technician”
0712-EPT (4)	National Competency Standards Level-4 for Environmental Technology “Environmental Technician”
0712-EPT (5)	National Competency Standards Level-5 for Environmental Technology “Environmental Supervisor”



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6. Members of Qualification Development Committee

The following members participated in the qualification development process at PITAC, Lahore.

Date: 14-03-2022 to 18-03-2022

S#	Name	Designation	Organization
1.	Mr. Muhammad Aasim	Assistant Director Coordinator	NAVTTTC
2.	Mr. Aijaz Ahmed Zia	Data Annotation Specialist/ DACUM Facilitator	Pointivo (USA)
3.	Mr. Abdul Qayum Memon	Assistant Director Nomination from STEVTA	STEVTA
4.	Prof. Dr. Muhammad Hassan Mushtaq	Professor	EPPH, UVAS Lahore
5.	Dr. Furqan Awan	Lecturer	EPPH, UVAS Lahore
6.	Mr. Qais Raza	MSc Energy & Environmental Engineering Research Assistants	University of the Punjab
7.	Mr. Adeel Khan	Energy & Environmental Engineer Nomination from STEVTA	GPI Sachal, Karachi
8.	Mr. Naeem Ahmad	Quality Assurance Trainer and Auditor	Pak TIC Service Pvt. Ltd. Lahore
9.	Dr. Farzana Rashid	Professor	Lahore College for Women University (LCWU), Lahore



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10.	Ms. Sheeba Bibi	CBT&A Expert	Bahria University, Islamabad
11.	Syed Abdulrehman Jaffery	MSc Energy & Environmental Engineering Research Assistants	University of the Punjab
12.	Mr. Abid Shah	PhD Environmental Sciences &Engineering Agronomist	Philip Morris Mardan Pakistan Ltd
13.	Mr. Hassaan Bin Saadat	Lecturer, Environmental Sciences	University of the Punjab



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7. Qualification Validation Committee

The following members participated in the qualification development process at PITAC, Lahore.

Date: 25-04-2022 to 29-04-2022

S#	Name	Status in Committee	Organization
1.	Mr. Muhammad Aasim	Assistant Director Coordinator	NAVTTC
2.	Mr. Aijaz Ahmed Zia	Data Annotation Specialist/ DACUM Facilitator	Pointivo (USA)
3.	Ms. Sumbal Ayaz	Co-DACUM Facilitator	Abacus Consultation
4.	Engr. Kifayatullah	HOD Representative B-TEVTA	GPI Khanozia
5.	Mr. Mushtaq Ahmed	Director M&E	P-TEVTA
6.	Engr. Rizwan Ahmed	Assistant Director (AA&R)	P-TEVTA
7.	Prof. Dr. Muhammad Hassan Mushtaq	Professor	EPPH, UVAS Lahore
8.	Mr. Adeel Khan	Energy & Environmental Engineering	Nomination from STEVTA
9.	Mr. Naeem Ahmed	Auditor	Pak TIC Services Pvt. Ltd Lahore
10.	Prof. Dr. Farzana	Professor	Lahore College for Women, Lahore



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11.	Syed Abdulrehman Jaffery	MSc Energy & Environmental Engineering Research Assistants,	University of the Punjab
12.	Mr. Shaukat Ali Rana	Deputy Controller	PBTE
13.	Mr. Hassaan Bin Sadat	Lecturer Environmental Sciences	University of the Punjab

8. Entry Requirements

The entry requirement for National Competency Standards Level-5 for Environmental Technology “Environmental Supervisor” is:

1. A person having Level 4 Environmental Technology Certificate of Environmental Technician

9. Regulation of the qualification and schedule of units

Not Applicable



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10. Generic Modules with respective levels

- Health and Safety

LEVEL 2

- Digital Skills

LEVEL 3

- Soft Skills

LEVEL 4



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11. Summary of competencies

Sr No	Competency Standards	NVQF Level	Category	Estimated Contact Hours			Cr Hr
				Th	Pr	Total	
1	Conduct On-Site Training	5	Technical	30	60	90	9
2	Conduct Analysis of all Technical and Administrative Field Tasks	5	Technical	44	66	110	11
3	Supervise the Team to Achieve Goals and Prepare Action Plan on Daily Basis	5	Technical	56	84	140	14
4	Coordinate with all Departments, Establishing Collaborative Relationship to Achieve Objectives.	5	Technical	44	56	100	10
5	Assist in Implementation of Environmental Management System (EMS)	5	Technical	90	120	210	21
6	Implement Emergency Response Plan (ERP)	5	Technical	60	90	150	15
7	Assist in Environmental Safety (ES) Assessment	5	Technical	30	90	120	12



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8	Perform Cost Analysis related to Operations and Maintenance	5	Technical	36	54	90	9
9	Follow Green Skills	5	Technical	90	100	190	19
	Total			480	720	1200	120
	Percentage (%)			40	60		

Proposed Course Duration: 12 Months

Estimated Contact Hours: 1200 Hours

Estimated Credit Hours: 120 Hours



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OCCUPATIONS AND LEVELS DESCRIPTOR

Level 2



Level 3



Level 4



Level 5



S #	Occupations	No of Modules/CS	Level	Occupation Credit Hours	Training duration
1.	Environmental Services Attendant	7	2	60	6 Months
2.	Assistant Environmental Technician	7	3	60	6 Months
3.	Environmental Technician	12	4	120	12 Months
4.	Environmental Supervisor	9	5	120	12 Months



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12. Qualification Levelling and Packaging

Level 5

(Environmental Supervisor)

1. Conduct on-site trainings
2. Conduct an Analysis of all Technical and Administrative field Tasks
3. Supervise the Team to Achieve Goals and Prepare Action Plan on Daily Basis
4. Coordinate with all Departments, Establish Collaborative Relationship to Achieve Objectives
5. Assist in Implementation of Environmental Management System (EMS)
6. Implement Emergency Response Plan (ERP)
7. Assist in Environmental and Safety (E&S) Assessment
8. Perform Cost Analysis related to Operations and Maintenance
9. Follow Green Skills



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13. Detail of Qualifications and its Competency Standards

A. Technical Competency Standards

0712-EPT-1: Conduct On-Site Training

Overview

This competency standard will provide knowledge and skills required to conduct on- Job training recommended by the management.

Competency Units	Performance Criteria
CU1. Train team for operation, maintenance and repair procedures	P1. Conduct operational training according to the requirement P2. Conduct training on repair and maintenance procedures. P3. Plan on-job training
CU2. Conduct job safety analysis	P1. Conduct risk assessment P2. Conduct fire safety analysis P3. Participate in preparing emergency response planning P4. Implement standard operating procedure for working at height
CU3. Perform Post Training Assessment	P1. Assess required knowledge and skills P2. Assess outcomes P3. Perform post training evaluation



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Knowledge & Understanding

Trainee must be able to know and understand:

- Describe SOPs to conduct training.
- Enlist the steps required for training assessment.
- Describe various on-site safety trainings.



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Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Multimedia
3.	Microsoft Office
4.	Internet
5.	Safety manuals
6.	Training manuals
7.	Training checklist
8.	Emergency response protocol
9.	Safety sign boards

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Conduct job safety training
- Perform training assessment



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0712-EPT-2: Perform Technical and Administrative Field Tasks

Overview

This competency standard provides knowledge and skills required to conduct analysis of all technical and administrative field tasks to manage a team and perform responsibilities related to information sharing, problem resolution and root cause analysis in an efficient and systematic way.

Competency Units	Performance Criteria
CU1. Follow organizational policies and standards	P1. Ensure implementation of company policies and guidelines P2. Perform required field tasks following standard procedures P3. Develop SOPs for specific task P4. Report technical issues to concerned person P5. Prepare reports as required
CU2. Conduct Toolbox Talks (TBT)	P1. Conduct informal safety meeting at start of each shift P2. Highlight safe working practices P3. Inform workers about changes in working conditions
CU3. Perform company and site-specific administrative activities	P1. Follow administrative procedures and guidelines P2. Manage team tasks on daily basis P3. Assign the duties according to the roster P4. Manage housekeeping and time keeping log sheets P5. Maintain record of all administrative approvals P6. Maintain personal data of employees

Knowledge & Understanding

Trainee must be able to know and understand:



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- Define Overall Equipment Efficiency (OEE).
- Define Total Productive Maintenance (TPM).
- Describe the importance of Calibration at plant.
- Describe Root Cause Analysis.
- Explain 5-W's Analysis.
- Explain Ishikawa Diagram (fish bone diagram).

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Multimedia
3.	Calibration apparatus
4.	Technical manual
5.	OEM manual
6.	Toolbox

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Perform calibration on given apparatus to ensure accuracy.



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0712-EPT-3: Supervise the Team to Achieve Goals and Prepare Action Plan on Daily Basis

Overview

This competency standard provides knowledge and skills related to supervision of team to achieve goals and prepare action plan on daily basis.

Competency Units	Performance Criteria
CU1. Motivate the team for maximum efficiency	Trainee must be able to: P1. Appreciate team members when they do a good job P2. Be a respectful, honest and supportive supervisor P3. Ensure psychological health of workers P4. Share positive feedback
CU2. Monitor productivity of workers	P1. Encourage learning opportunities. P2. Provide team with latest technology P3. Strengthen communication protocols P4. Align goal with performance metrics
CU3. Set appropriate standards of performance for self and others	P1. Let your employees know that you are analyzing their performance P2. Set a probation period/timeline
CU4. Manage the reciprocal relationship between staff and organization	P1. Know your team on an individual level P2. Keep communication channels always open P3. Ask for the opinions and feedback P4. Listen to the arguments P5. Create strong bonding with staff
CU5. Identify issues and using appropriate approaches	P1. Enhance working knowledge P2. Analyze future development P3. Identify effective solution to resolve any problem



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choose the course of action	
CU6. Maintain a hierarchy of control	P1. Identify organizational chart P2. Check job descriptions and responsibilities of departmental staff P3. Check standard operating procedures for control measures P4. Ensure team working according to organizational charts

Knowledge & Understanding

Trainee must be able to know and understand:

- Define the term ‘motivation’
- Explain team management and its importance
- Explain how to enhance workplace efficiency
- Explain how to supervise the team
- Explain how to achieve the goals
- Describe organizational hierarchy of control

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer
2.	Multimedia
3.	Internet
4.	Placards
5.	Sign boards



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Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Give a presentation on identification of team issues and by using appropriate approaches choose the course of action.



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0712-EPT-4: Coordinate with all Departments, Establishing Collaborative Relationship to Achieve Objectives.

Overview

This competency standard provides knowledge and skills required to coordinate with all departments and establish collaborative relationship to achieve targets.

Competency Units	Performance Criteria
CU1. Convey information and ideas with other departments	P1. Conduct inter departmental meetings P2. Record minutes of meetings
CU2. Use collaborative relationships with other departments to achieve day to day targets	P1. Develop collaborations with other departments P2. Create sense of community and collaborative culture P3. Encourage open feedback
CU3. Assist management in achieving the target by promoting team spirit	P1. Encourage team work in achieving daily targets P2. Motivate the team P3. Assist management in achieving targets
CU4. Welcome feedback from subordinates and incorporate into actions after assessment	P1. Collect feedback from subordinates P2. Assess feedback P3. Respond to the feedback

Knowledge & Understanding

Trainee must be able to know and understand:

- Define the term ‘feedback’



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- Differentiate between positive and negative feedback
- Define the term ‘collaboration’

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Internet
3.	Microsoft Office

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Give a presentation on collaborative relationship within an organization.



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0712-EPT-5: Assist in Implementation of Environmental Management System (EMS)

Overview

This competency standard will provide knowledge and skills required by trainee in order to develop capacity to assist in implementation of environmental management system.

Competency Units	Performance Criteria
CU1. Follow Environmental policies and SMART (Specific, Measurable, Achievable, Realistic and Time bound) objectives	Trainee must be able to: P1. Identify environmental policy P2. Implement environmental policy in assigned tasks P3. Assist in development of SMART objectives in relation with environmental technology P4. Develop an action plan to achieve environmental objectives P5. Implement SMART objectives P6. Assure compliance of environmental policy and objectives
CU2. Assist in planning	P1. Assist in building up team P2. Engage team in planning process P3. Monitor and communicate planning progress
CU3. Assist in implementation	P1. Implement plan P2. Assign roles and responsibilities P3. Support operations



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CU4. Assist in monitoring and control	P1. Develop work instruction sheets for various monitoring and control operations P2. Ensure the implementation of SOPs P3. Inspect the operational activities P4. Supervise the team in monitoring and control activities
CU5. Perform Management Review	P1. Identify the target process for improvement P2. Organize the team for continual improvement P3. Collect current performance data P4. Identify value added activities P5. Establish desired performance goals P6. Develop an action plan to improve the targeted process P7. Evaluate the result in perspective of action plan P8. Attend management review meetings P9. Repeat the cycle to look for new opportunities
CU6. Assist in internal audits	P1. Assist in scheduling internal audit P2. Assist in fieldwork of audit P3. Take physical evidence of internal audit findings P4. Assist in reporting audit findings

Knowledge & Understanding

Trainee must be able to know and understand:

- Define the terms ‘Environmental policy and objectives’
- Describe audit and its types.
- Explain PDCA cycle with reference to continuous improvement.



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- Enlist different steps of ISO-14001

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Microsoft Office
3.	Multimedia
4.	Internet
5.	Related documents

Critical Evidence(s) Required

The candidate needs to develop following critical evidence(s) in order to be competent in this competency standard:

- Assist in conducting an internal audit of specified department.



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0712-EPT-6: Implement Emergency Response Plan (ERP)

Overview

This competency standard will provide knowledge and skills required to implement the emergency response plan.

Competency Units	Performance Criteria
CU1. Assist in Developing prevention and mitigation strategies	Trainee must be able to: P1. Identify potential environmental emergencies P2. Assist in performing environmental emergency risk assessment P3. Update Materials Safety Data Sheet (MSDS) in accordance with Workplace Hazardous Materials Information System (WHMIS) P4. Implement preventive maintenance program for equipment in timely manner to prevent environmental emergencies
CU2. Ensure quick response	P1. Assess the emergency situation P2. Determine response level to emergency P3. Ensure quick reporting of incident to higher management P4. Execute emergency exit plan under emergency situations
CU3. Ensure timely recovery	P1. Follow post emergency procedures P2. Update the emergency response plan P3. Check response PPEs are available P4. Ensure medium to long term recovery P5. Inform respective agencies according to the situation



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	P6. Restock response supplies
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Knowledge & Understanding

Trainee must be able to know and understand:

- Define the term ‘prevention and mitigation’
- Describe various phases of ERP.
- Describe procedure for environmental risk assessment

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Microsoft Office
3.	Multimedia
4.	Survey checklist
5.	PPEs
6.	Emergency sirens
7.	Emergency signs
8.	First aid kit
9.	Fire extinguishers
10.	Spill kits

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:



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- Conduct drill and exercises related to fire fighting.



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0712-EPT-7: Assist in Environmental Safety (ES) Assessment

Overview

This competency standard will provide knowledge and skills required to identify hazards, perform risk assessment and improve environmental performance.

Competency Units	Performance Criteria
CU1. Identify hazards	Trainee must be able to: P1. Conduct surveys to identify various hazards P2. Determine permanent and temporal characteristics of different hazards P3. Identify various scenarios under which different hazards could cause threat
CU2. Perform risk assessment	P1. Calculate accident probability for various scenarios P2. Assess the accident consequences for different hazards P3. Determine risk associated with each hazard P4. Determine whether risk is within acceptance limit P5. Report to higher management to modify process, plant, or emergency response in case risk is not within acceptance limit
CU3. Suggest recommendations to maintain and improve environmental performance	P1. Identify Key Performance Indicators (KPIs) related to environmental performance. P2. Improve environmental performance KPIs P3. Suggest new KPIs for environmental performance measurement
CU4. Ensure environmental regulations are being followed	P1. Determine the relevant environmental regulations



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	<p>P2. Identify requirements for compliance of environmental regulations</p> <p>P3. Conduct internal audit to assess whether the processes are aligned with legal provisions</p> <p>P4. Report environmental compliance to higher management</p>
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Knowledge & Understanding

Trainee must be able to know and understand:

- Explain the procedure for risk assessment
- Explain the environmental regulations being followed in your region
- Explain the procedures for handling different types of hazards

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Microsoft Office
3.	Multimedia
4.	Survey checklist
5.	Environmental performance record documents
6.	Environmental litigation documents



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Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Perform risk assessment of given scenario.



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0712-EPT-8: Perform Cost Analysis related to Operations and Maintenance

Overview

This competency standard will provide knowledge and skills required to analyze cost data, prepare cost analysis report and assist in cost management related to operations and maintenance.

Competency Units	Performance Criteria
CU1. Analyze data	<i>Trainee must be able to:</i> P1. Identify various types of costs P2. Choose appropriate economic evaluation method P3. Apply statistical methods to analyze cost data P4. Interpret results from cost data P5. Apply the result obtained from cost data
CU2. Prepare cost analysis report	P1. Identify various parts of cost analysis report P2. Identify the impacts and select measurement indicators P3. Prepare cost benefit analysis report

Knowledge & Understanding

Trainee must be able to know and understand:



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- Define the term 'Cost Management'
- Describe the types of costs associated with operations and maintenance
- Describe various measures of central tendency and measures of dispersion
- Explain different sections of cost analysis report
- Describe various economic evaluation methods

Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Multimedia
3.	Microsoft Office
4.	Calculator

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Perform cost-benefit analysis of various operations.

B. Generic Competency Standards

0712-EPT-9: Follow Green Skills



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Overview

This competency standard will provide knowledge and skills required to follow and implement green skills. It includes pollution reduction and green energy production.

Competency Units	Performance Criteria
CU1. Follow Sustainable Development Goals (SDG's) 7 th ,12 th ,13 th ,14 th and 15 th	Trainee must be able to: P1. Increase the percentage of renewable energy in total energy consumption P2. Improve energy efficiency P3. Implement responsible management of chemicals and waste P4. Promote sustainable product procurement practices P5. Build knowledge and capacity to meet climate change P6. Implement United Nation Framework Convention on Climate Change (UNFCCC) P7. Conserve coastal and marine areas P8. Protect biodiversity and natural habitats P9. Support elimination of poaching and trafficking of protected species
CU2. Reduce pollution	P1. Use environmentally friendly resources P2. Modify production process to produce less waste P3. Ensure that leaky faucets and hoses are repaired
CU3. Implement 4R strategy (Reduce, Reuse, Recycle and Recover)	P1. Implement the methods used for reduction of waste P2. Promote use of biodegradable products P3. Reduce consumption of needless items P4. Print on both sides of a paper P5. Use rechargeable batteries



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	<p>P6. Apply criteria for the reuse of waste</p> <p>P7. Isolate the recycled materials from non-recycle material</p> <p>P8. Implement green skills necessary for sustainable development</p> <p>P9. Implement green skills to support sustainable green economy</p>
CU4. Promote earth day	<p>P1. Promote awareness regarding earth day</p> <p>P2. Arrange team for park cleanup activities</p> <p>P3. Organize recycling drives</p> <p>P4. Carry out composting projects</p> <p>P5. Conduct an eco-audit</p>
CU5. Arrange sponsored green activities	<p>P1. Plant trees in vicinity of organizations</p> <p>P2. Campaign to prevent deforestation</p> <p>P3. Participate in reforestation/afforestation</p> <p>P4. Participate in urban forestry</p> <p>P5. Engage community through green activities</p>

Knowledge & Understanding

Trainee must be able to know and understand:

- Define green skills
- Differentiate between renewable and non-renewable energy sources
- Define the term ‘pollution’
- Describe sustainable development goals
- Describe 4Rs strategy
- Define the term ‘eco audit’
- Explain deforestation and its causes



National Competency Standards Level-5 for Environmental Technology
“Environmental Supervisor”



Tools and Equipment Required

The tools and equipment required for this competency standard are given below:

S. No.	Items
1.	Computer system
2.	Multimedia
3.	Microsoft Office
4.	SDGs documents
5.	Audio/ Video aids

Critical Evidence(s) Required

The candidate needs to produce following critical evidence(s) in order to be competent in this competency standard:

- Arrange a plantation drive in your organization.