



ENVIRONMENTAL HEALTH COUNCIL OF NIGERIA
Established by Act 11 of 2002 (As Amended)

**GUIDELINES FOR APPROVAL OF NATIONAL AND HIGHER NATIONAL DIPLOMA IN
ENVIRONMENTAL HEALTH TRAINING PROGRAMMES IN NIGERIA**

**(ENVIRONMENTAL HEALTH TECHNOLOGY, PUBLIC HEALTH TECHNOLOGY,
EPIDEMIOLOGY & DISEASE CONTROL TECHNOLOGY)**

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FOREWORD

VISION

Ensure that Environmental Health Practice is positioned as the fulcrum of Public Health in Nigeria

MISSION

To improve Standard in Training and Practice adding value to Environmental Health Services

MANDATE

- a. Determining what standards of knowledge and skill are to be attained by persons seeking to become members of the profession of Environmental Health and improving those standards from time to time as circumstances may permit;
- b. Securing in accordance with the provisions of this Act the establishment and maintenance of a register of persons registered under this Act as members of the profession and the publication from time to time of lists of those persons;
- c. Conducting examinations in the profession and awarding certificates or diplomas to successful candidates as appropriate and for such purpose and the Council shall prescribe fees to be paid in respect thereof, and
- d. Performing the other functions conferred on the Council by this act.

GUIDELINES FOR APPROVAL OF NATIONAL AND HIGHER NATIONAL DIPLOMA IN ENVIRONMENTAL HEALTH TRAINING PROGRAMMES IN NIGERIA

(ENVIRONMENTAL HEALTH TECHNOLOGY, PUBLIC HEALTH TECHNOLOGY, EPIDEMIOLOGY & DISEASE CONTROL TECHNOLOGY)

1.0 INTRODUCTION

The Environmental Health Council of Nigeria (EHCON) is established by Act 11 of 2002 (As Amended) to regulate the practice of Environmental Health Profession in Nigeria. The mandates of the Council given in section 1 include **‘determining what standards of knowledge and skill are to be attained by persons seeking to become members of the profession of Environmental Health and improving those standards from time to time as circumstances may permit’**.

In pursuance of Sections 1(a), 10 and 12 of the Act, the Council has developed these guidelines for approval of National and Higher National Diploma in Environmental Health Programmes to guide academic institutions in the administration of training programmes. These guidelines further specify minimum academic and practical skills to be acquired by trainee Environmental Health Practitioners in Nigeria.

2.0 PURPOSE

The purpose of these guidelines therefore is to ensure uniform standard, maintenance of minimum academic requirements and ensuring that training institutions provide minimum human and material resources to impart the required knowledge, skills and competencies to the trainees.

3.0 OBJECTIVES

This document serves as a guide for the establishment of National and Higher National Diplomas for Environmental Health Technology programmes in Colleges of Health, Polytechnics, and Monotechnics in Nigeria.

3.1 The specific objectives of these guidelines are as follows:

1. To promote a high-quality education for person(s) studying Environmental Health Technology Programme(s) in Colleges of Health, Polytechnics, and Monotechnics in Nigeria.

2. To determine the adequacy of physical facilities, human resource and equipment available for the training of prospective Environmental Health professionals in the institutions.
3. To ensure uniformity in the scope and coverage of basic areas in Environmental Health Technology Education needed in the 21st century.
4. To support polytechnics, monotechnic, colleges and schools of health technology in developing capacity required in environmental health technology.
5. To ensure compliance with admission requirements into Environmental Health Technology programme(s).
6. To approve programmes for institutions that meet minimum requirements to mount Environmental Health Programme(s).
7. To inform the public on the approval status of the programmes for institutions from time to time.

4.0 PROFESSIONAL APPROVAL FOR ENVIRONMENTAL HEALTH PROGRAMMES

For the avoidance of doubt, the following Environmental Health Programmes are those for which these guidelines apply

- (i) Higher National Diploma in Environmental Health Technology
- (ii) National Diploma in Environmental Health Technology
- (iii) Higher National Diploma in Public Health Technology
- (iv) National Diploma in Public Health Technology
- (v) Higher National Diploma in Epidemiology and Disease Control Technology
- (vi) National Diploma in Epidemiology and Disease Control Technology

5.0 GENERAL PROGRAMME STATUS

There shall be three (3) classes of approval namely:

- A. Professional Programme Approval
- B. Renewal of Approval
- C. Revalidation

5.2 PROCEDURE FOR PROFESSIONAL PROGRAMME APPROVAL

An institution intending to mount any of the programme(s) listed in section 4.0 is expected to comply with the requirements outlined in these guidelines.

A. Professional Programme Approval

This is a status granted to a new programme by the Council through the following processes:

- i. Application for **Professional Programme Approval** of Environmental Health Programme(s) by a prospective training Institution,

- ii. Submission of completed EHCON questionnaire by prospective institution in respect of the intended Programme(s).
- iii. Payment for the applicable visit will then be made by the institution to the Council and a date for the Facility/Resource assessment visit by the Council will be communicated to the institution.
- iv. Communication of the outcome of the visit (approval or denial) by the Council to the institution.
- v. Professional Programme Approval lasts for three years.

B. RENEWAL OF PROFESSIONAL PROGRAMME APPROVAL

Professional Programme Approval will be renewed at the expiration of the approval period (3 Years). The renewed programme will equally last for three (3) Years and the procedures for the renewal is as follows:

- i. The Council shall notify the institution in writing three months prior to the expiration of the subsisting approval.
- ii. The institution makes payment as applicable to Council for the renewal of approval visit.
- iii. Where the institution fails to comply with the notice and after three months of grace period, the approval granted the institution is withdrawn.
- iv. If the outcome of the approval visit is positive, the Approval is renewed
- v. If the outcome of the approval assessment is negative, the Council will communicate the institution accordingly. Institution is given six months to rectify the identified deficiencies.
- vi. After the expiration of six months and no satisfactory remedial action(s) taken by the institution, the Council shall withdraw the approval and shall take further appropriate measures.

C. REVALIDATION

Where a programme changes its location to a new site, it automatically loses its existing approval status and will require re-validation The procedure for revalidation is as follows:

- i. The institution notifies the Council about the movement of the programme not later than three (3) months after such movement.
- ii. Institution makes applicable payment for revalidation visit.
- iii. If the outcome of the revalidation visit is positive, the approval status is maintained
- iv. If the outcome of the revalidation visit is negative, the Council will communicate the institution accordingly. Institution is given six months to rectify the identified deficiencies.
- v. After the expiration of six months and no satisfactory remedial action(s) taken by the institution, the Council shall withdraw the approval and may take further appropriate measures.

6.0 REQUIREMENTS FOR MOUNTING THE ENVIRONMENTAL HEALTH PROGRAMME(S)

- i. Establishment: Institutions seeking for approval of any of the Environmental Health Programme(s) must be established by law for public institutions: while privately owned institutions, shall be registered and be in good standing with the Corporate Affairs Commission as a company limited by shares.
- ii. Governing Council- Institutions established by law must have a Council in place. Institutions without governing council for a period of two years will not be visited by the by the Environment Health Council of Nigeria.
- iii. Land/Site- The Institution must own a sizeable land capable of hosting all the required facilities and other resources need of the programme(s)
- iv. Buildings- The Institution must have adequate structures capable of accommodating the programme including all learning facilities such as laboratories, classrooms, library, workshops, hostels, studios, offices etc
- v. Water Supply- The Institution must have potable and adequate source of water supply.
- vi. Electricity supply- The institution should have constant electricity supply and alternative source of power (Thermal, Solar, Wind, National Grid)
- vii. Access Road- The institution must have good access road and road network within the campus with good landscape.
- viii. Communication- There must be good means of communication within the campus and outside
- ix. Staff/student Welfare- There must be provision for social amenities within the campuses for both staff and student.
- x. Accommodation- There should be good accommodation for both staff and students, where not available alternative arrangement should be made within the community
- xi. Recreational Facilities- The institution should provide sport facilities for both staff and students.
- xii. Cafeteria- Institution should provide good catering services for both staff and students
- xiii. Health Care Facility-The institution should have health care facility for emergencies and treatment of minor ailments with qualified health personnel.
- xiv. Insurance- There must be provision of insurance for both staff and student
- xv. Environmental Sanitation- The institution must provide good and adequate sanitary conveniences with gender demarcation, waste disposal facility and promote aesthetic value in the campus.
- xvi. Security- There should be adequate security for staff, students and facilities.
- xvii. Transportation/Logistics- There should be good transport system for both staff and students to and from the campus
- xviii. Pension Scheme- There should be pension scheme for staff
- xix. Funding- There should be adequate funding of the programme to ensure sustainability
- xx. Teaching Facilities- There should be good and adequate teaching facilities such as classrooms, laboratories, workshops, studios, library, teaching aids, internet, audio-visuals etc
- xxi. Human Resources- There should be adequate and qualified teaching staff, service staff, technical staff and administrative support staff
- xxii. Practice Areas- There should be adequate arrangement for field work facilities for students

7.0 QUALITY CONTROL MONITORING

Monitoring of programmes for quality assurance by the Council will be conducted from time to time to ensure that the programmes are run in line with approved standards. Information on enrolment, graduation, recruitment etc will be made available to the Council by the institution

8.0 FAIR PRACTICES IN EDUCATION

The Council expects the programme and sponsoring Institutions to comply with the following fair practice standards in education.

8.1 Advertisement of Programme

Announcements and advertisements of Environmental Health Programme(s) must accurately reflect the approval status of the programme(s) offered.

8.2 Non-Discrimination

Student admission and faculty/school/department recruitment shall be non-discriminatory with respect to race, creed, state of origin, sex, or national origin. However, only prospective students who are physically fit should be eligible for admission in consideration of the job description for the products which entails extensive field work and regulatory enforcement.

8.3 Health, Safety and Environment

The health and safety of students, faculty, and the public associated with student educational activities must be adequately safeguarded and guaranteed. Safety equipment and instruction should be provided and enforced within the institution premises. Well-equipped and functional clinic should be provided for emergencies and prompt treatments of minor ailments. The aesthetics and safety of the environment should be maintained at all time

8.4 Matriculation

The programme should spell out conditions of the study and prospect of the programme. Student hand book, rules and regulations guiding the programme and conduct of student should be made available. The prospective student should be properly initiated into the programme.

9.0 QUESTIONNAIRE

A set of questionnaire will be completed by institution before the approval visit to ascertain the level of preparedness for the programme

10.0 RATING

For the purpose of clarity, the variables in the questionnaire shall be rated for any of the categories of the approval and every 1% is equivalent to 4 points.

10.1 APPROVAL VISIT

Institutions should note that compliance with the requirements for Full Approval of Environmental Health Programme(s) shall be rated as follows:

Table 1: Scores and Marks obtainable

<u>Serial</u>	<u>Sections</u>	<u>Points Obtainable</u>	<u>Obtainable Percentage (%)</u>
	Administration	<u>8</u>	<u>2</u>
	Infrastructure and Equipment	68	17
	Basic Sciences Laboratory (Physics, Chemistry and Biology)	<u>24</u>	<u>6</u>
	Environmental Health Laboratory	<u>44</u>	<u>11</u>
	Environmental Health Museum	<u>24</u>	<u>6</u>
	Technical Drawing Studio	<u>8</u>	<u>2</u>
	Audio Visual Studio	<u>8</u>	<u>2</u>
	Classroom	<u>12</u>	<u>3</u>
	SIWES/Field Practical areas	<u>8</u>	<u>2</u>
	Human Resources	<u>136</u>	<u>34</u>
	Curriculum Implementation	<u>12</u>	<u>3</u>
	Environmental Health Services	<u>12</u>	<u>3</u>
	Entrepreneurship in Environmental Health	<u>12</u>	<u>3</u>
	Miscellaneous	<u>24</u>	<u>6</u>
	<u>Total</u>	<u>400</u>	<u>100</u>

At the end of the approval visit, outcome shall be rated as follows:

- (a) 70% and above is granted Professional Programme Approval
- (b) 69% and below – Institutions are given six months to remedy the grey areas and request for an assessment after a payment of half of the approval fee.
- (c) Where Institutions fail to remedy the observed deficiencies within six months, the approval remains denied and the institution will be required to pay full approval on application.
- (d) Council if satisfied the institution shall be granted approval.

12.0 SPECIFIC REQUIREMENTS

This section set out specific requirements applicable to each of the programmes

12.1 NATIONAL DIPLOMA IN ENVIRONMENTAL HEALTH TECHNOLOGY

List of physical facilities

1. Laboratories

- i. Basic Sciences (Biology; Chemistry & Physics)
- ii. Environmental Health
- iii. Computer

2. Studios

- i. Technical Drawing Room
- ii. Audio Visual
- iii. Studio

3. Demonstration Ground

4. Museum (Housing models; Pest control equipment; Charts; Posters etc.)

5. Libraries (Physical and Electronic)

12.2 MATERIAL REQUIREMENTS IN LABORATORIES, STUDIOS, MUSEUMS AND OTHER PRACTICAL SITES

TABLE I: LIST OF MODELS IN DEMONSTRATION GROUND.

S/NO	EQUIPMENT.	QUANTITY REQUIRED.
1.	House Hold Refuse Composter	1
2.	Model of Incinerators	1
3.	Conventional water treatment system	1 set
4.	Conventional sewage treatment system	1
5.	Composting pit [Wilson & indoor processes]	1 each
6.	Steamer [Fomite Disinfection]	1
7.	VIP Latrine [multiple & single compartments]	1 each
8.	Pit Latrine	1
9.	Water Closet	1
10.	Ventilation Opening	1
11.	Septic Tank	1

TABLE II: LIST OF EQUIPMENT IN ENVIRONMENTAL HEALTH LABORATORY

S/No	EQUIPMENT	QUANTITY REQUIRED
1.	Hatch Kit for Chlorine, PH & Oxy.	1
2.	Incubator	1
3.	Thermometer	5
4.	Dosimeter	2
5.	Audiometer	2
6.	PH Meter	2
7.	Anemometer	1
8.	Dual Detector	2
9.	Spring Balance	1
10.	Mechanical Balance	1
11.	Weighing Scale	1
12.	Electronic Balance	1
13.	Cold Box	2
14.	Distiller	1
15.	Centrifuge	2
16.	Suction Pressure	1
17.	Steam Sterilizer	1
18.	Autoclave	2
19.	Hot Plate	2
20.	Water Bottle	2
21.	Radiation Monitor	2
22.	Rotator	1
23.	Water Bath	1
24.	Slide Projector	1

25.	Hand Lens	5
26.	Dissecting Kit	2

TABLE III: LIST OF EQUIPMENT IN AUDIO VISUAL STUDIO.

S/No	EQUIPMENT	QUANTITY REQUIRED
1.	Video Recorder	1
2.	Overhead projector	1
3.	Film projector	1
4.	Public address system	1
5.	Television set	1
6.	Camera	1
7.	Computer Systems.	5
8.	Universal Serial Bus	1
9.	Microphones	3
10.	Scanner	1
11.	Memory Chips	2

TABLE IV: LIST OF EQUIPMENT IN TECHNICAL DRAWING STUDIO.

S/No	EQUIPMENT	QUANTITY REQUIRED
1.	Adjustable Drawing Boards	30
2.	T-square	30
3.	Drafting Stools.	30
4.	Pin-up Boards	1
5.	Board Pin Square	1
6.	Board Protractor.	1
7.	Board Pair of Compass	1
8.	Board Pair of Dividers	1

9.	Board Set Squares. [45 & 60 degrees].	5
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TABLE V: LIST OF EQUIPMENT IN ENVIRONMENTAL HEALTH MUSEUM

S\NO	EQUIPMENT	QUANTITY
1.	Motorized sprayers	1
2.	Knapsack sprayer	3
3.	Fog Machine	1
4.	Compressor Sprayer	2
5.	Ultra-Low Volume Sprayer	2
6.	Leg trap	2
7.	Break back	5
8.	Container for mixing of chemical	3
9.	Respirator	3
10.	Eye google	1 packet
11.	Hand gloves	5 PAIRS
12.	Glue board trap	7
13.	Pesticides specimen of various types	10
14.	Masks	6
15.	Model water closet	3
16.	Waste bin bucket (plastic)	5
17.	Model waste bin (wood)	2
18.	Model incinerator	1
19.	PVC pipe	1
20.	Ceramic bath	1
21.	Wooden model house (2 roof model)	2
22.	Model of water treatment tank	1

23.	Layout model	1
24.	Preserved soil samples	2
25.	Preserved animal specimen (rat)	1
26.	Wooden model of a well	1
27.	Composting chamber model (wooden)	1
28.	Metal tripod stand	1
29.	Wooden board	1

13.0 HUMAN RESOURCES MINIMUM QUALIFICATION

For effective administration of required technical training of students, the following human resource are minimum staff needed for smooth running of the programme.

13.1 LECTURER CADRE

LECTURER (Lecturer III, Lecturer II and Lecturer I)

A Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing any of the following: Bachelor of Environmental Health Science (B. EHS)/Bachelor of Science (B.Sc.) Environmental Health/Bachelor of Technology (B. Tech.) Environmental Health
Any Licensed Environmental Health Officer/Technologist possessing HND in Environmental Health with additional Bachelor's Degree in any of the Environmental Health related Discipline acceptable for upgrade of registration Status by the Council like B.Sc. Health Education, B.Sc. Environmental Management, B. Tech. Public Health etc.

SENIOR LECTURER (Senior Lecturer, Principal Lecturer and Chief Lecturer)

A Senior Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing the Lecturer Qualification with Master of Science (M.Sc.) in Environmental Health or Master's Degree in any relevant discipline.

13.2 INSTRUCTOR CADRE

An Instructor should be a Licensed Environmental Health Officer/Technologist with teaching qualification and possessing any of the following: Higher National Diploma (HND) in Environmental Health, Post Graduate Diploma (PGD) Environmental Health, PGD Public Health/Epidemiology, PGD Environmental Management etc.

13.3 TECHNICAL STAFF MINIMUM QUALIFICATION

Technical Staff are responsible for manning the laboratories, workshops, studios, demonstration ground and museum

Technologist qualification – HND or equivalent in Environmental Health Technology

Technician qualification – ND in Environmental Health Technology

Laboratory Assistant qualification – At least SSCE

13.4 SERVICE/GENERAL STUDIES STAFF

For Service/General studies courses, Lecturers should possess minimum of first Degree in the course assigned.

13.5 ADMINISTRATIVE STAFF

For administrative support staff, there should be a qualified secretary with at least an ND in Secretarial Studies/Office Technology and Management (OTM) and a clerical assistant with at least SSCE (WAEC/NECO/NABTEB/NTC)

13.6 STAFF STRENGTH

The table below contains the minimum staff strength and the mix for one stream.

S/N	CATEGORY	NUMBER
1.	Senior Lecturer and above	1
2.	Lecturer II	1
3.	Lecturer III/Assistant Lecturer	2
4.	Instructor	8
5.	Technologist	4
6.	Technician	3
7.	Assistant	1
8.	Administrative	3

14.0 REQUIRED FACILITIES FOR HIGHER NATIONAL DIPLOMA IN ENVIRONMENTAL HEALTH TECHNOLOGY

14.1 LIST OF PHYSICAL FACILITIES

Laboratories

1. Basic Sciences (Biology; Chemistry & Physics)
2. Environmental Health
3. Computer

Studios

1. Technical Drawing Room
2. Audio Visual Studio
3. Demonstration Ground
4. Museum (Housing Models; Pest Control Equipment; Charts; Posters etc.)
5. Libraries (Physical and Electronic)

14.2 MATERIAL REQUIREMENTS IN LABORATORIES, STUDIOS, MUSEUMS AND OTHER PRACTICAL SITES

TABLE I: LIST OF MODELS IN DEMONSTRATION GROUND.

S/NO	EQUIPMENT.	QUANTITY REQUIRED.
1.	House Hold Refuse Composter	1
2.	Model of Chemical Closet	1
3.	Model of Incinerators	1
4.	Brick Models for Making Bricks	1
5.	Models of Bonding	Varied
6.	Damp-Proof Courses	1
7.	Footings/Foundations	1
8.	Conventional water treatment system	1 set
9.	Conventional sewage treatment system	1
10.	Slaughter Slab	1
11.	Composting pit [Wilson & indoor processes]	1 each
12.	Steamer [Fomite Disinfection]	1
13.	VIP Latrine [multiple & single compartments]	1 each
14.	Pit Latrine	1
15.	Water Closet	1
16.	Biogas Digester	Varied
17.	Structures/Types of Houses	1
18.	Waste Segregation Chambers	1
20.	Ventilation Opening	1
21.	Septic Tank	1
22.	Waste Collection Centre	1

TABLE II: LIST OF EQUIPMENT IN ENVIRONMENTAL HEALTH LABORATORY

S/No	EQUIPMENT	QUANTITY REQUIRED
1.	Hatch Kit for Chlorine, PH& Oxy.	1
2.	Incubator	1
3.	Thermometer	5
4.	Dosimeter	2
5.	Audiometer	2
6.	PH Meter	2
7.	Anemometer	1
8.	Dual Detector	2
9.	Spring Balance	1

10.	Mechanical Balance	1
11.	Weighing Scale	1
12.	Electronic Balance	1
13.	Cold Box	2
14.	Distiller	1
15.	Centrifuge	2
16.	Suction Pressure	1
17.	Steam Sterilizer	1
18.	Autoclave	2
19.	Hot Plate	2
20.	Water Bottle	2
21.	Rotator	4
22.	Water Bath	1
23.	Radiation Monitor	2
24.	Hand Lens	5
25.	Dissecting Kit	2
26.	Gas Meter	

TABLE III: LIST OF EQUIPMENT IN AUDIO VISUAL STUDIO.

S/No	EQUIPMENT	QUANTITY REQUIRED
1	Video Recorder	1
2	Overhead projector	1
3	Film projector	1
4	Public address system	1
5	Television set	1
6	Camera	1
7	Computer Systems.	5
8.	Universal Serial Bus	1
9.	Microphones	3
10.	Scanner	1
11	Memory Chips	2
12	Projector	

TABLE IV: LIST OF EQUIPMENT IN TECHNICAL DRAWING STUDIO.

S/No	EQUIPMENT	QUANTITY REQUIRED
1	Adjustable Drawing Boards	30
2	T-square	30
3	Drafting Stools.	30
4	Pin-up Boards	1
5	Board Pin Square	1
6	Board Protractor.	1
7	Board Pair of Compass	1
8.	Board Pair of Dividers	1
9.	Board Set Squares. [45 & 60 degrees].	5

TABLE V: LIST OF EQUIPMENT IN ENVIRONMENTAL HEALTH MUSEUM

S\NO	EQUIPMENT	QUANTITY
1	Motorized sprayers	1
2	Knapsack sprayer	3
3	Fog Machine	1
5	Compressor Sprayer	2
7	Ultra-Low Volume Sprayer	2
8	Leg trap	2
9	Break back	5
10	Container for mixing of chemical	3
11	Respirator	3
12	Eye google	1 packet
13	Hand gloves	5 PAIRS
14	Glue board trap	7
15	Pesticides specimen of various types	10
16	Masks	6
17	Model water closet	3
18	Waste bin bucket (plastic)	5
19	Model waste bin (wood)	2
20	Model incinerator	1
21	Pvc pipe	1
23	Ceramic bath	1
28	Wooden model house (2 roof model)	2
30	Model of water treatment tank	1
31	Layout model	1
32	Preserved soil samples	2
33	Preserved animal specimen (rat)	1
34	Wooden model of a well	1
35	Composting chamber model (wooden)	1
36	Metal tripod stand	1
37	Wooden board	1
38	Posters of Environmental Health Antiquities	Varied

14.3 HUMAN RESOURCES MINIMUM QUALIFICATION

14.3.1 LECTURER CADRE

a) LECTURER II

Lecturer II should be a Licensed Environmental Health Officer with teaching qualification and possessing any of the following: Masters of Environmental Health Science (M.

EHS)/Masters of Science (M.Sc.) Environmental Health/Masters of Technology (M. Tech.)
Environmental Health

Any Licensed Environmental Health Officer/Technologist possessing HND in Environmental Health with additional Master's Degree in any of the Environmental Health related Discipline

b) SENIOR LECTURER

A Senior Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing the Senior Lecturer Qualification with Master of Science (M.Sc.) in Environmental Health or Master's Degree in any relevant discipline.

c) PRINCIPAL LECTURER

A Principal Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing the Principal Lecturer Qualification with Master of Science (M.Sc.) in Environmental Health or Master's Degree in any relevant discipline.

d) CHIEF LECTURER

A Chief Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing the Chief Lecturer Qualification with Master of Science (M.Sc.) in Environmental Health or Master's Degree in any relevant discipline.

14.4 TECHNICAL STAFF MINIMUM QUALIFICATION

Technical Staff are responsible for manning the laboratories, workshops, studios, demonstration ground and museum

- i. Technologist qualification – HND or equivalent in Environmental Health Technology
- ii. Technician qualification – ND in Environmental Health Technology
- iii. Laboratory Assistant qualification – At least SSCE

14.5 SERVICE/GENERAL STUDIES STAFF

For Service/General studies courses, Lecturers should possess minimum of first Degree in the course assigned.

14.6 ADMINISTRATIVE STAFF

For administrative support staff, there should be a qualified secretary with at least an ND in Secretarial Studies/Office Technology and Management (OTM) and a clerical assistant with at least SSCE (WAEC/NECO/NABTEB/NTC)

14.7 STAFF STRENGTH

The table below contains the minimum staff strength and the mix for one stream.

S/N	CATEGORY	NUMBER
1.	Chief Lecturer	1
2.	Principal Lecturer and above	2
3.	Senior Lecturer	2
4.	Lecturer I &II	2
5.	Technologist	4
6.	Technician	3
7.	Assistant	1
8.	Administrative	3

15.0 REQUIREMENT FOR NATIONAL DIPLOMA (ND) IN PUBLIC HEALTH TECHNOLOGY

In addition to the general requirement provided in 6.0, the following shall be specific requirements for National Diploma (ND) in Public Health Technology.

15.1 LIST OF PHYSICAL FACILITIES

Programme	Laboratory	Studio/Drawing Room and Other
National Diploma (ND) in Public Health Technology	Basic Science (Biology and Chemistry)	<ol style="list-style-type: none"> 1. Audio Visual Studio 2. Museum 3. Side laboratory with a minimum of disease detection and screening equipment based on their objectives of the training

TABLE I: LIST OF EQUIPMENT IN AUDIO VISUAL STUDIO

S/NO	EQUIPMENT	QUANTITY REQUIRED
1	Video Recorder	1
2	Overhead projector	1
3	Film projector	1
4	Public Address System	1
5	Television set	1
6	Camera	1

7	Computer System	5
8	Universal Serial Bus	1
9	Microphones	5
10	Scanner	1

15.2 HUMAN RESOURCES

15.2.1 LECTURER CADRE

a) LECTURER

A Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing any of the following: Bachelor of Science (B.Sc.)/Bachelor of Technology (B.Tech.) Public Health, Bachelor of Environmental Health Science (B. EHS)/Bachelor of Science (B.Sc.) Environmental Health

Any Licensed Environmental Health Officer/Technologist possessing HND in Public Health with additional Bachelor's Degree in any of the Public Health related Discipline acceptable for upgrade of registration Status by the Council like B.Sc. Health Education, B.Sc. Environmental Health,

b) SENIOR LECTURER

A Senior Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing the Lecturer Qualification with Master of Science (M.Sc.) Public Health/Master of Public Health or Master's Degree in any relevant discipline.

15.3 INSTRUCTOR CADRE

An instructor should be a Licensed Environmental Health Officer/Technologist with teaching qualification and possessing any of the following: Higher National Diploma (HND) in Public Health/Higher National Diploma (HND) in Environmental Health, PGD Public Health/Epidemiology, Post Graduate Diploma (PGD) Environmental Health, PGD Environmental Management etc.

15.4 TECHNICAL STAFF MINIMUM QUALIFICATION

Technical Staff are responsible for manning the laboratories, workshops, studios, demonstration ground and museum

- i. Technologist qualification – HND in Public Health/Environmental Health Technology
- ii. Technician qualification – ND in Public Health/Environmental Health Technology
- iii. Laboratory Assistant qualification – At least SSCE

15.5 SERVICE/GENERAL STUDIES STAFF

For Service/General studies courses, Lecturers should possess minimum of first Degree in the course assigned.

15.6 ADMINISTRATIVE STAFF

For administrative support staff, there should be a qualified secretary with at least an ND in Secretarial Studies/Office Technology and Management (OTM) and a clerical assistant with at least SSCE (WAEC/NECO/NABTEB/NTC)

15.7 STAFF STRENGTH

The table below contains the minimum staff strength and the mix for one stream.

S/N	CATEGORY	NUMBER
1.	Senior Lecturer and above	1
2.	Lecturer II	1
3.	Lecturer III/Assistant Lecturer	2
4.	Instructor	8
5.	Technologist	2
6.	Technician	2
7.	Assistant	1
8.	Administrative	3

16.0 REQUIREMENTS FOR NATIONAL DIPLOMA (ND) IN EPIDEMIOLOGY AND DISEASE CONTROL

16.1 LIST OF PHYSICAL FACILITIES

Programme	Laboratory	Studio/Drawing Room and Other
National Diploma (ND) in Epidemiology and Disease Control	Basic Science (Biology, Chemistry and Physics)	1. Audio Visual Studio 2. Demonstration Ground 3. Museum (Pest control equipment; Charts; Posters etc.)

TABLE I: LIST OF EQUIPMENT IN DEMONSTRATION GROUND

S/NO	EQUIPMENT	QUANTITY REQUIRED
1	House Hold Refuse Composter	1
2	Model of Chemical Closet	1
3	Conventional water treatment system	1 set
4	Conventional sewage treatment system	1
5	Slaughter Slab	1
6	Composting pit (Wilson and indoor processes	1 each
7	Steamer (Fomite Disinfection)	1
8	VIP Latrine (multiple & single compartments	1 each
9	Pit Latrine	1
10	Water Closet	1
11	Biogas Digester	Varied
12	Bar Incinerator	1
13	Ventilation opening	1

TABLE II: LIST OF EQUIPMENT IN AUDIO VISUAL STUDIO

S/NO	EQUIPMENT	QUANTITY REQUIRED
1	Video Recorder	1
2	Overhead projector	1
3	Film projector	1
4	Public Address System	1
5	Television set	1
6	Camera	1
7	Computer System	5
8	DVD players	1
9	Microphones	5
10	Scanner	1

TABLE III: LIST OF EQUIPMENT IN EPIDEMIOLOGY AND DISEASE CONTROL

S/NO	EQUIPMENT	QUANTITY REQUIRED
1	Motorized sprayers	3
2	Knapsack sprayer	6
3	Cp3 mist blower	2
4	Catch-alive trap	1
5	Hudson sprayer	1
6	First aid boxes	6
7	Hand held sprayer	4
8	Leg trap	2
9	Break back	1
10	Container for mixing of chemical	1
11	Respirator	2
12	Eye goggle	1
13	Hand gloves	8 pairs
14	Glue board trap	7
15	Pesticides	5
16	Pesticides specimen of various types	22
17	Mask	6
18	Plastic tables	2

16.3 HUMAN RESOURCES FOR EPIDEMIOLOGY AND DISEASES CONTROL

17.1 LECTURER CADRE

a) LECTURER

A Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing any of the following: Bachelor of Science (B.Sc.) Epidemiology, Public Health or Environmental Health Science

Any Licensed Environmental Health Officer/Technologist possessing HND in Epidemiology with additional Bachelor's Degree in any of the Epidemiology related Discipline acceptable for upgrade of registration Status by the Council like B.Sc. Public Health, Health Education, Environmental Health,

b) SENIOR LECTURER

A Senior Lecturer should be a Licensed Environmental Health Officer with teaching qualification and possessing the Lecturer Qualification with Master of Science (M.Sc.) Epidemiology, Public Health, Environmental Health or Master's Degree in any relevant discipline.

17.2 INSTRUCTOR CADRE

An instructor should be a Licensed Environmental Health Officer/Technologist with teaching qualification and possessing any of the following: Higher National Diploma (HND) in Epidemiology/Public Health/Environmental Health

17.3 TECHNICAL STAFF MINIMUM QUALIFICATION

Technical Staff are responsible for manning the laboratories, workshops, studios, demonstration ground and museum

- i. Technologist qualification – HND in Epidemiology/Public Health/Environmental Health Technology
- ii. Technician qualification – ND in Epidemiology/Public Health/Environmental Health Technology
- iii. Laboratory Assistant qualification – At least SSCE

17.4 SERVICE/GENERAL STUDIES STAFF

For Service/General studies courses, Lecturers should possess minimum of first Degree in the course assigned.

17.5 ADMINISTRATIVE STAFF

For administrative support staff, there should be a qualified secretary with at least an ND in Secretarial Studies/Office Technology and Management (OTM) and a clerical assistant with at least SSCE (WAEC/NECO/NABTEB/NTC)

18.0 STAFF STRENGTH

The table below contains the minimum staff strength and the mix for one stream.

S/N	CATEGORY	NUMBER
1.	Senior Lecturer and above	1
2.	Lecturer II	1
3.	Lecturer III/Assistant Lecturer	2
4.	Instructor	4
5.	Technologist	2
6.	Technician	2
7.	Assistant	1
8.	Administrative	3

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