

## Qualification Pack



# Aquaculture Worker

QP Code: AGR/Q4904

Version: 3.0

NSQF Level: 3

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## Qualification Pack

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## Qualification Pack

### AGR/Q4904: Aquaculture Worker

#### Brief Job Description

An Aquaculture Worker is responsible for assisting in various aquaculture activities such as preparing aquaculture farm for culturing various fish species; maintenance of the cultured species, tools, equipment, water and waste disposal systems. The individual is also responsible for assisting in harvesting fish and carrying out its post-harvest processing.

#### Personal Attributes

The individual must possess good eyesight along with the ability to work as per instructions. The person must be able to swim and have the physical stamina to work for long durations. The ability to read and write are the other important requirements in this job role.

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [AGR/N4919: Assist in culture unit preparation activities](#)
2. [AGR/N4920: Assist in stocking, post stocking, harvesting and post-harvesting activities](#)
3. [AGR/N4964: Assist in maintaining the water system, waste disposal system, tools and equipment](#)
4. [AGR/N4955: Follow the hygiene and safety practices in culture operations](#)
5. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Fisheries
<b>Occupation</b>	Aquaculture
<b>Country</b>	India
<b>NSQF Level</b>	3
<b>Credits</b>	10
<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/9216

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<b>Minimum Educational Qualification &amp; Experience</b>	8th Class (Pass and pursuing continuous regular schooling) OR 5th Class with 4 Years of experience relevant experience OR Certificate-NSQF (Level-3 (Hatchery Production Worker) with 6 Months of experience relevant experience OR Ability to read and write with 5 Years of experience relevant experience
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	18 Years
<b>Last Reviewed On</b>	NA
<b>Next Review Date</b>	30/12/2024
<b>NSQC Approval Date</b>	30/12/2021
<b>Version</b>	3.0
<b>Reference code on NQR</b>	2022/AGR/ASCI/06532
<b>NQR Version</b>	1.0

## Qualification Pack

### AGR/N4919: Assist in culture unit preparation activities

#### Description

This OS unit is about assisting in carrying out the preparation of the culture unit and performing pre-stocking activities under supervision.

#### Scope

The scope covers the following :

- Assist in preparing the culture unit for stocking seeds
- Assist in supplying water to the reservoir and pond/tank
- Perform waste management

#### Elements and Performance Criteria

##### *Assist in preparing the culture unit for stocking seeds*

To be competent, the user/individual on the job must be able to:

- PC1.** drain the culture unit and sun-dry it
- PC2.** remove the aquatic weeds and predatory/ weed fish using the recommended method
- PC3.** apply organic manure/ inorganic fertilizer in the pond/tank as per the instructions
- PC4.** apply the recommended treatment in the pond to control aquatic insects before stocking seeds
- PC5.** maintain the record of fertilizers and any treatments applied in the pond

##### *Assist in supplying water to the reservoir and pond/tank*

To be competent, the user/individual on the job must be able to:

- PC6.** draw water from the source up to the required level in the reservoir
- PC7.** assist in treating the water with the appropriate methods such as chlorination
- PC8.** pump the treated water to the culture pond from the reservoir

##### *Perform waste management*

To be competent, the user/individual on the job must be able to:

- PC9.** segregate waste into appropriate categories and deposit at identified locations
- PC10.** dispose the non-recyclable waste appropriately

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the process of drawing water from the source to fill the reservoir
- KU2.** the importance of optimum and sustainable utilisation of water resources
- KU3.** water treatment methods/ processes
- KU4.** process for pumping treated water into the culture pond from the reservoir after treatment
- KU5.** pre-stocking and pond preparation activities carried out in freshwater aquaculture system

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- KU6.** use of appropriate fertilizers/manures for desired plankton growth
- KU7.** consequences of improper usage of chemicals
- KU8.** different methods of recycling and disposing waste
- KU9.** common sources of pollution and ways to minimise it

### Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** read the relevant literature to get updated information about the field of work
- GS2.** maintain work-related notes and records
- GS3.** plan and prioritise tasks to ensure timely completion
- GS4.** take quick decisions to resolve work-related issues
- GS5.** communicate effectively and politely
- GS6.** co-ordinate with the co-workers to achieve the work objectives

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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Assist in preparing the culture unit for stocking seeds</i>	<b>12</b>	<b>16</b>	-	<b>12</b>
<b>PC1.</b> drain the culture unit and sun-dry it	-	-	-	-
<b>PC2.</b> remove the aquatic weeds and predatory/ weed fish using the recommended method	-	-	-	-
<b>PC3.</b> apply organic manure/ inorganic fertilizer in the pond/tank as per the instructions	-	-	-	-
<b>PC4.</b> apply the recommended treatment in the pond to control aquatic insects before stocking seeds	-	-	-	-
<b>PC5.</b> maintain the record of fertilizers and any treatments applied in the pond	-	-	-	-
<i>Assist in supplying water to the reservoir and pond/tank</i>	<b>12</b>	<b>16</b>	-	<b>12</b>
<b>PC6.</b> draw water from the source up to the required level in the reservoir	-	-	-	-
<b>PC7.</b> assist in treating the water with the appropriate methods such as chlorination	-	-	-	-
<b>PC8.</b> pump the treated water to the culture pond from the reservoir	-	-	-	-
<i>Perform waste management</i>	<b>6</b>	<b>8</b>	-	<b>6</b>
<b>PC9.</b> segregate waste into appropriate categories and deposit at identified locations	-	-	-	-
<b>PC10.</b> dispose the non-recyclable waste appropriately	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	-	<b>30</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4919
<b>NOS Name</b>	Assist in culture unit preparation activities
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Fisheries
<b>Occupation</b>	Aquaculture
<b>NSQF Level</b>	3
<b>Credits</b>	3
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	17/11/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

# AGR/N4920: Assist in stocking, post stocking, harvesting and post-harvesting activities

## Description

This OS unit is about assisting in carrying out the various stocking and post stocking culture operations along with harvesting and post-harvest management of fish.

## Scope

The scope covers the following :

- Assist in stocking seeds
- Assist in post-stocking pond culture operations
- Assist in harvesting and post-harvest management of fish
- Optimise resource utilisation

## Elements and Performance Criteria

### *Assist in stocking seeds*

To be competent, the user/individual on the job must be able to:

- PC1.** acclimate the seeds as per the instructions of the supervisor/ aquaculture technician
- PC2.** remove weak and dead seeds following the netting process
- PC3.** stock the seeds at an appropriate density and species ratio

### *Assist in post-stocking pond culture operations*

To be competent, the user/individual on the job must be able to:

- PC4.** feed seed stock with the recommended quantity of feed and supplementary feed as per the schedule prescribed by the supervisor/aquaculture technician
- PC5.** carry out split feeding as per the instructions of the aquaculture technician
- PC6.** carry out netting operation and periodic sampling of the soil, water and fish
- PC7.** apply manure, fertilizer, lime and therapeutics as recommended by the supervisor
- PC8.** adhere to the recommended guidelines for aeration and water replenishment in the culture pond
- PC9.** carry out regular repair and maintenance of the implements, nets and gears, pond dyke, etc.

### *Assist in harvesting and post-harvest management of fish*

To be competent, the user/individual on the job must be able to:

- PC10.** use nets of appropriate mesh size to harvest the fish
- PC11.** harvest fish of the size as advised by the aquaculture technician, in case of partial harvesting
- PC12.** carry out minimum handling of the fish between harvesting and transportation
- PC13.** store the harvested fish at the recommended temperature and Relative Humidity (RH)
- PC14.** pack the harvested fish in appropriate container for transportation

### *Optimise resource utilisation*

To be competent, the user/individual on the job must be able to:

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**PC15.** optimise the usage of water, electricity and relevant materials in various tasks and processes

**PC16.** plug any water leakages to prevent its wastage

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** standard procedures for acclimatisation of seeds

**KU2.** process and techniques for seed stocking

**KU3.** activities involved in post-stocking culture operations

**KU4.** netting process for removing unwanted and harmful organisms from the pond

**KU5.** standard procedure for feeding supplementary feed to fish

**KU6.** the process of split feeding

**KU7.** how to detect abnormal behaviour patterns, lesions and parasites in the fish

**KU8.** procedure for periodic soil, water, and fish sampling

**KU9.** practices for feeding and rearing fish to harvestable size

**KU10.** the process of partial harvesting

**KU11.** guidelines for handling fish between harvest and transportation

**KU12.** the appropriate method of packing the harvested fish

**KU13.** different feed types and routines for feeding different species

**KU14.** safety and hygiene protocols to be followed during stocking and post-stocking operations

**KU15.** the growth cycle of the species and the growth environment

**KU16.** practices for harvesting and post-harvest care of the fish produce

**KU17.** the process of applying lime, manure and fertilizers

**KU18.** the use of aerator pumps to maintain the required level of dissolved oxygen in the pond water

**KU19.** the importance of following environmental and ecological best practices

**KU20.** benefits of resource optimisation

**KU21.** ways of efficiently managing various materials

**KU22.** common practices of conserving electricity

### Generic Skills (GS)

User/individual on the job needs to know how to:

**GS1.** write work-related notes

**GS2.** communicate politely and professionally

**GS3.** read the relevant literature to learn about new latest developments in the field of work

**GS4.** listen attentively to understand the information/ instructions being shared by the speaker

**GS5.** plan and prioritise tasks to ensure timely completion

**GS6.** co-ordinate with co-workers to achieve work objectives

**GS7.** evaluate all possible solutions to a problem to select the best one



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- GS8.** identify possible disruptions to work and take appropriate preventive measures
- GS9.** take quick decisions to deal with workplace emergencies/ accidents

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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Assist in stocking seeds</i>	<b>6</b>	<b>10</b>	-	<b>6</b>
<b>PC1.</b> acclimate the seeds as per the instructions of the supervisor/ aquaculture technician	-	-	-	-
<b>PC2.</b> remove weak and dead seeds following the netting process	-	-	-	-
<b>PC3.</b> stock the seeds at an appropriate density and species ratio	-	-	-	-
<i>Assist in post-stocking pond culture operations</i>	<b>10</b>	<b>12</b>	-	<b>10</b>
<b>PC4.</b> feed seed stock with the recommended quantity of feed and supplementary feed as per the schedule prescribed by the supervisor/aquaculture technician	-	-	-	-
<b>PC5.</b> carry out split feeding as per the instructions of the aquaculture technician	-	-	-	-
<b>PC6.</b> carry out netting operation and periodic sampling of the soil, water and fish	-	-	-	-
<b>PC7.</b> apply manure, fertilizer, lime and therapeutics as recommended by the supervisor	-	-	-	-
<b>PC8.</b> adhere to the recommended guidelines for aeration and water replenishment in the culture pond	-	-	-	-
<b>PC9.</b> carry out regular repair and maintenance of the implements, nets and gears, pond dyke, etc.	-	-	-	-
<i>Assist in harvesting and post-harvest management of fish</i>	<b>10</b>	<b>14</b>	-	<b>10</b>
<b>PC10.</b> use nets of appropriate mesh size to harvest the fish	-	-	-	-
<b>PC11.</b> harvest fish of the size as advised by the aquaculture technician, in case of partial harvesting	-	-	-	-
<b>PC12.</b> carry out minimum handling of the fish between harvesting and transportation	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC13.</b> store the harvested fish at the recommended temperature and Relative Humidity (RH)	-	-	-	-
<b>PC14.</b> pack the harvested fish in appropriate container for transportation	-	-	-	-
<i>Optimise resource utilisation</i>	<b>4</b>	<b>4</b>	-	<b>4</b>
<b>PC15.</b> optimise the usage of water, electricity and relevant materials in various tasks and processes	-	-	-	-
<b>PC16.</b> plug any water leakages to prevent its wastage	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	-	<b>30</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4920
<b>NOS Name</b>	Assist in stocking, post stocking, harvesting and post-harvesting activities
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Fisheries
<b>Occupation</b>	Aquaculture
<b>NSQF Level</b>	3
<b>Credits</b>	3
<b>Version</b>	3.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	17/11/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

# AGR/N4964: Assist in maintaining the water system, waste disposal system, tools and equipment

## Description

This OS unit is about carrying out repair and maintenance of the water system, waste disposal system, tools and equipment.

## Scope

The scope covers the following :

- Assist in maintaining the water and waste disposal systems
- Assist in maintaining various tools and equipment

## Elements and Performance Criteria

### *Assist in maintaining the water and waste disposal systems*

To be competent, the user/individual on the job must be able to:

- PC1.** assist in arranging for an alternative water supply before the repair and maintenance of the water system
- PC2.** remove sedimentation and any obstructions from the water pipes
- PC3.** carry out the cleaning of water pipes with the approved cleaning agents such as bleach
- PC4.** repair or replace the faulty or damaged water pipes and fittings as per instructions
- PC5.** assist in reconnecting the water supply system appropriately after repair and maintenance activities
- PC6.** carry out repair and maintenance of the waste disposal system as per the supervisor's instructions

### *Assist in maintaining various tools and equipment*

To be competent, the user/individual on the job must be able to:

- PC7.** prepare the appropriate repair and maintenance tools, equipment and materials for use as per the supervisor's instructions
- PC8.** assist in carrying out repair and maintenance of water pump, aerator, blower, air compressor and other aquaculture equipment according to the manufacturer's instructions
- PC9.** assist in replacing any faulty equipment with the new one
- PC10.** co-ordinate with an expert for complex repair and maintenance needs
- PC11.** assist in testing the aquaculture equipment for the correct functioning after repair and maintenance
- PC12.** carry out maintenance of the repair and maintenance tools and equipment as per the supervisor's instructions and store them safely at the designated storage
- PC13.** assist in maintaining the record of repair and maintenance of all the equipment

## Knowledge and Understanding (KU)

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The individual on the job needs to know and understand:

- KU1.** the importance of arranging for an alternative water supply before the repair and maintenance of the water system
- KU2.** the process of cleaning the water pipes and carrying out repair and maintenance of the water system
- KU3.** how to disconnect and reconnect the water supply system before and after maintenance
- KU4.** the process of carrying out repair and maintenance of the waste disposal system
- KU5.** use of the relevant repair and maintenance tools, equipment and materials
- KU6.** how to carry out repair and maintenance of water pump, aerator, blower, air compressor and other aquaculture equipment
- KU7.** how to replace any faulty equipment
- KU8.** the process of testing the aquaculture equipment for the correct functioning after repair and maintenance
- KU9.** applicable documentation requirements

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to get the latest updates about the field of work
- GS3.** communicate politely and professionally
- GS4.** listen attentively to understand the information/ instructions being given
- GS5.** plan and schedule various for the effective use of time
- GS6.** take quick decisions to deal with workplace emergencies
- GS7.** co-ordinate with the co-workers to achieve the work objectives

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Assist in maintaining the water and waste disposal systems</i>	<b>10</b>	<b>20</b>	-	<b>15</b>
<b>PC1.</b> assist in arranging for an alternative water supply before the repair and maintenance of the water system	-	-	-	-
<b>PC2.</b> remove sedimentation and any obstructions from the water pipes	-	-	-	-
<b>PC3.</b> carry out the cleaning of water pipes with the approved cleaning agents such as bleach	-	-	-	-
<b>PC4.</b> repair or replace the faulty or damaged water pipes and fittings as per instructions	-	-	-	-
<b>PC5.</b> assist in reconnecting the water supply system appropriately after repair and maintenance activities	-	-	-	-
<b>PC6.</b> carry out repair and maintenance of the waste disposal system as per the supervisor's instructions	-	-	-	-
<i>Assist in maintaining various tools and equipment</i>	<b>20</b>	<b>20</b>	-	<b>15</b>
<b>PC7.</b> prepare the appropriate repair and maintenance tools, equipment and materials for use as per the supervisor's instructions	-	-	-	-
<b>PC8.</b> assist in carrying out repair and maintenance of water pump, aerator, blower, air compressor and other aquaculture equipment according to the manufacturer's instructions	-	-	-	-
<b>PC9.</b> assist in replacing any faulty equipment with the new one	-	-	-	-
<b>PC10.</b> co-ordinate with an expert for complex repair and maintenance needs	-	-	-	-
<b>PC11.</b> assist in testing the aquaculture equipment for the correct functioning after repair and maintenance	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> carry out maintenance of the repair and maintenance tools and equipment as per the supervisor's instructions and store them safely at the designated storage	-	-	-	-
<b>PC13.</b> assist in maintaining the record of repair and maintenance of all the equipment	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	-	<b>30</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4964
<b>NOS Name</b>	Assist in maintaining the water system, waste disposal system, tools and equipment
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Fisheries
<b>Occupation</b>	Aquaculture
<b>NSQF Level</b>	3
<b>Credits</b>	2
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	17/11/2025
<b>NSQC Clearance Date</b>	17/11/2022

## Qualification Pack

# AGR/N4955: Follow the hygiene and safety practices in culture operations

## Description

This OS unit is about following various hygiene and safety practices during culture operations.

## Scope

The scope covers the following :

- Maintain the water body and its hygiene
- Maintain the health of cultured organisms
- Maintain personal health and safety

## Elements and Performance Criteria

### *Maintain the water body and its hygiene*

To be competent, the user/individual on the job must be able to:

- PC1.** follow the recommended practices to protect the aquaculture farm from different types of threats such as storms, predatory birds, harmful organisms, poachers, etc.
- PC2.** carry out regular maintenance of the dykes and fences in the culture pond
- PC3.** identify and remove the preying organisms from the culture pond or tank
- PC4.** remove sludge, algae, uneaten feed and any other waste materials from the culture pond or tank
- PC5.** apply the necessary disinfectants or preventive treatment in the culture pond or tank to prevent disease outbreak and the growth of harmful organisms

### *Maintain the health of cultured organisms*

To be competent, the user/individual on the job must be able to:

- PC6.** follow the recommended practices to protect the cultured organisms from the air, water or fomite-borne contamination and diseases
- PC7.** sample the cultured organisms regularly to identify the signs of stress/ disease/ phenotypic disorders and the presence of parasites and pathogens
- PC8.** identify, quarantine and treat the unhealthy organisms following the recommended practices
- PC9.** monitor the quarantined organisms for signs of improvement and restock them in the culture pond or tank on complete recovery
- PC10.** remove the dead and moribund organisms and dispose them in an environment-friendly manner

### *Maintain personal health and safety*

To be competent, the user/individual on the job must be able to:

- PC11.** check the relevant Personal Protective Equipment (PPE) before use and repair or replace it, as required
- PC12.** use the relevant PPE during various aquaculture operations such as the application of hazardous chemicals
- PC13.** use the recommended soap or sanitiser to keep hands sanitised

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- PC14.** store hazardous chemicals, tools and equipment in the safe storage area to avoid personal harm or injury
- PC15.** administer first-aid to the injured personnel and co-ordinate with the emergency services for further medical attention

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** how to protect the aquaculture farm and cultured species from various threats
- KU2.** the process of identifying and removing predators or preying organisms from the culture pond or tank
- KU3.** the importance and process of carrying out regular cleaning of the culture pond or tank to remove sludge, algae, uneaten feed, etc.
- KU4.** the recommended disinfectants for water bodies and the process of applying them to prevent disease outbreak and growth of harmful organisms
- KU5.** recommended practices to protect the cultured organisms from air/ water/ fomite-borne contamination and diseases during and after harvesting
- KU6.** the process of sampling the cultured organisms to identify disease, disorders and presence of parasites and pathogens
- KU7.** the signs of stress or disease in the cultured organisms such as spots, lesions, erratic movement, etc.
- KU8.** the process of identifying, quarantining and treating the unhealthy organisms
- KU9.** the signs of improvement in the quarantined organisms
- KU10.** the importance of removing the dead and moribund organisms from the water body promptly and disposing them safely
- KU11.** the importance of using the relevant PPE and ensuring it is damage-free
- KU12.** appropriate practices to be followed to maintain personal hygiene and prevent infections
- KU13.** the importance of storing hazardous chemicals, tools and equipment safely
- KU14.** how to administer first-aid and co-ordinate with emergency services

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** maintain work-related notes and records
- GS2.** read the relevant guidelines and safety instruction in the local language/ English
- GS3.** listen attentively to understand the information/ instructions being given
- GS4.** communicate politely and professionally
- GS5.** co-ordinate with the co-workers to achieve the work objectives
- GS6.** evaluate all the possible solutions to a problem to select the best one
- GS7.** take quick decisions within the limits of authority to resolve work-related issues
- GS8.** plan and schedule tasks to ensure timely completion

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### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintain the water body and its hygiene</i>	<b>10</b>	<b>15</b>	-	<b>10</b>
<b>PC1.</b> follow the recommended practices to protect the aquaculture farm from different types of threats such as storms, predatory birds, harmful organisms, poachers, etc.	-	-	-	-
<b>PC2.</b> carry out regular maintenance of the dykes and fences in the culture pond	-	-	-	-
<b>PC3.</b> identify and remove the preying organisms from the culture pond or tank	-	-	-	-
<b>PC4.</b> remove sludge, algae, uneaten feed and any other waste materials from the culture pond or tank	-	-	-	-
<b>PC5.</b> apply the necessary disinfectants or preventive treatment in the culture pond or tank to prevent disease outbreak and the growth of harmful organisms	-	-	-	-
<i>Maintain the health of cultured organisms</i>	<b>10</b>	<b>15</b>	-	<b>10</b>
<b>PC6.</b> follow the recommended practices to protect the cultured organisms from the air, water or fomite-borne contamination and diseases	-	-	-	-
<b>PC7.</b> sample the cultured organisms regularly to identify the signs of stress/ disease/ phenotypic disorders and the presence of parasites and pathogens	-	-	-	-
<b>PC8.</b> identify, quarantine and treat the unhealthy organisms following the recommended practices	-	-	-	-
<b>PC9.</b> monitor the quarantined organisms for signs of improvement and restock them in the culture pond or tank on complete recovery	-	-	-	-
<b>PC10.</b> remove the dead and moribund organisms and dispose them in an environment-friendly manner	-	-	-	-
<i>Maintain personal health and safety</i>	<b>10</b>	<b>10</b>	-	<b>10</b>

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC11.</b> check the relevant Personal Protective Equipment (PPE) before use and repair or replace it, as required	-	-	-	-
<b>PC12.</b> use the relevant PPE during various aquaculture operations such as the application of hazardous chemicals	-	-	-	-
<b>PC13.</b> use the recommended soap or sanitiser to keep hands sanitised	-	-	-	-
<b>PC14.</b> store hazardous chemicals, tools and equipment in the safe storage area to avoid personal harm or injury	-	-	-	-
<b>PC15.</b> administer first-aid to the injured personnel and co-ordinate with the emergency services for further medical attention	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>40</b>	<b>-</b>	<b>30</b>

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### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4955
<b>NOS Name</b>	Follow the hygiene and safety practices in culture operations
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Fisheries
<b>Occupation</b>	Aquaculture
<b>NSQF Level</b>	4
<b>Credits</b>	1
<b>Version</b>	2.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	24/02/2025
<b>NSQC Clearance Date</b>	24/02/2022

## Qualification Pack

### DGT/VSQ/N0101: Employability Skills (30 Hours)

#### Description

This unit is about employability skills, Constitutional values, becoming a professional in the 21st Century, digital, financial, and legal literacy, diversity and Inclusion, English and communication skills, customer service, entrepreneurship, and apprenticeship, getting ready for jobs and career development.

#### Scope

The scope covers the following :

- Introduction to Employability Skills
- Constitutional values - Citizenship
- Becoming a Professional in the 21st Century
- Basic English Skills
- Communication Skills
- Diversity & Inclusion
- Financial and Legal Literacy
- Essential Digital Skills
- Entrepreneurship
- Customer Service
- Getting ready for Apprenticeship & Jobs

#### Elements and Performance Criteria

##### *Introduction to Employability Skills*

To be competent, the user/individual on the job must be able to:

**PC1.** understand the significance of employability skills in meeting the job requirements

##### *Constitutional values - Citizenship*

To be competent, the user/individual on the job must be able to:

**PC2.** identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices

##### *Becoming a Professional in the 21st Century*

To be competent, the user/individual on the job must be able to:

**PC3.** explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.

##### *Basic English Skills*

To be competent, the user/individual on the job must be able to:

**PC4.** speak with others using some basic English phrases or sentences

##### *Communication Skills*

To be competent, the user/individual on the job must be able to:

**PC5.** follow good manners while communicating with others

**PC6.** work with others in a team

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### *Diversity & Inclusion*

To be competent, the user/individual on the job must be able to:

**PC7.** communicate and behave appropriately with all genders and PwD

**PC8.** report any issues related to sexual harassment

### *Financial and Legal Literacy*

To be competent, the user/individual on the job must be able to:

**PC9.** use various financial products and services safely and securely

**PC10.** calculate income, expenses, savings etc.

**PC11.** approach the concerned authorities for any exploitation as per legal rights and laws

### *Essential Digital Skills*

To be competent, the user/individual on the job must be able to:

**PC12.** operate digital devices and use its features and applications securely and safely

**PC13.** use internet and social media platforms securely and safely

### *Entrepreneurship*

To be competent, the user/individual on the job must be able to:

**PC14.** identify and assess opportunities for potential business

**PC15.** identify sources for arranging money and associated financial and legal challenges

### *Customer Service*

To be competent, the user/individual on the job must be able to:

**PC16.** identify different types of customers

**PC17.** identify customer needs and address them appropriately

**PC18.** follow appropriate hygiene and grooming standards

### *Getting ready for apprenticeship & Jobs*

To be competent, the user/individual on the job must be able to:

**PC19.** create a basic biodata

**PC20.** search for suitable jobs and apply

**PC21.** identify and register apprenticeship opportunities as per requirement

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** need for employability skills

**KU2.** various constitutional and personal values

**KU3.** different environmentally sustainable practices and their importance

**KU4.** Twenty first (21st) century skills and their importance

**KU5.** how to use basic spoken English language

**KU6.** Do and dont of effective communication

**KU7.** inclusivity and its importance

**KU8.** different types of disabilities and appropriate communication and behaviour towards PwD

**KU9.** different types of financial products and services

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- KU10.** how to compute income and expenses
- KU11.** importance of maintaining safety and security in financial transactions
- KU12.** different legal rights and laws
- KU13.** how to operate digital devices and applications safely and securely
- KU14.** ways to identify business opportunities
- KU15.** types of customers and their needs
- KU16.** how to apply for a job and prepare for an interview
- KU17.** apprenticeship scheme and the process of registering on apprenticeship portal

## Generic Skills (GS)

User/individual on the job needs to know how to:

- GS1.** communicate effectively using appropriate language
- GS2.** behave politely and appropriately with all
- GS3.** perform basic calculations
- GS4.** solve problems effectively
- GS5.** be careful and attentive at work
- GS6.** use time effectively
- GS7.** maintain hygiene and sanitisation to avoid infection

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Introduction to Employability Skills</i>	<b>1</b>	<b>1</b>	-	-
<b>PC1.</b> understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values - Citizenship</i>	<b>1</b>	<b>1</b>	-	-
<b>PC2.</b> identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	<b>1</b>	<b>3</b>	-	-
<b>PC3.</b> explain 21st Century Skills such as Self-Awareness, Behavior Skills, Positive attitude, self-motivation, problem-solving, creative thinking, time management, social and cultural awareness, emotional awareness, continuous learning mindset etc.	-	-	-	-
<i>Basic English Skills</i>	<b>2</b>	<b>3</b>	-	-
<b>PC4.</b> speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	<b>1</b>	<b>1</b>	-	-
<b>PC5.</b> follow good manners while communicating with others	-	-	-	-
<b>PC6.</b> work with others in a team	-	-	-	-
<i>Diversity &amp; Inclusion</i>	<b>1</b>	<b>1</b>	-	-
<b>PC7.</b> communicate and behave appropriately with all genders and PwD	-	-	-	-
<b>PC8.</b> report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	<b>3</b>	<b>4</b>	-	-
<b>PC9.</b> use various financial products and services safely and securely	-	-	-	-

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Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC10.</b> calculate income, expenses, savings etc.	-	-	-	-
<b>PC11.</b> approach the concerned authorities for any exploitation as per legal rights and laws	-	-	-	-
<i>Essential Digital Skills</i>	<b>4</b>	<b>6</b>	-	-
<b>PC12.</b> operate digital devices and use its features and applications securely and safely	-	-	-	-
<b>PC13.</b> use internet and social media platforms securely and safely	-	-	-	-
<i>Entrepreneurship</i>	<b>3</b>	<b>5</b>	-	-
<b>PC14.</b> identify and assess opportunities for potential business	-	-	-	-
<b>PC15.</b> identify sources for arranging money and associated financial and legal challenges	-	-	-	-
<i>Customer Service</i>	<b>2</b>	<b>2</b>	-	-
<b>PC16.</b> identify different types of customers	-	-	-	-
<b>PC17.</b> identify customer needs and address them appropriately	-	-	-	-
<b>PC18.</b> follow appropriate hygiene and grooming standards	-	-	-	-
<i>Getting ready for apprenticeship &amp; Jobs</i>	<b>1</b>	<b>3</b>	-	-
<b>PC19.</b> create a basic biodata	-	-	-	-
<b>PC20.</b> search for suitable jobs and apply	-	-	-	-
<b>PC21.</b> identify and register apprenticeship opportunities as per requirement	-	-	-	-
<b>NOS Total</b>	<b>20</b>	<b>30</b>	-	-

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	DGT/VSQ/N0101
<b>NOS Name</b>	Employability Skills (30 Hours)
<b>Sector</b>	Cross Sectoral
<b>Sub-Sector</b>	Professional Skills
<b>Occupation</b>	Employability
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	NA
<b>Next Review Date</b>	23/06/2026
<b>NSQC Clearance Date</b>	23/06/2023

## Assessment Guidelines and Assessment Weightage

### Assessment Guidelines

- 1.Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down the proportion of marks for Theory and Skills Practical for each PC.
- 2.The assessment for the theory part will be based on the knowledge bank of questions created by the SSC.
- 3.Individual assessment agencies will create unique question papers for the theory part for each candidate at each examination/training center (as per the assessment criteria below).
- 4.Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
- 5.In case of successfully passing only a certain number of NOSs, the trainee is eligible to take a subsequent assessment on the balance NOS's to pass the Qualification Pack.
- 6.In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

**Minimum Aggregate Passing % at QP Level : 50**

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**(Please note:** Every Trainee should score a minimum aggregate passing percentage as specified above, to successfully clear the Qualification Pack assessment.)

### Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N4919.Assist in culture unit preparation activities	30	40	-	30	100	25
AGR/N4920.Assist in stocking, post stocking, harvesting and post-harvesting activities	30	40	-	30	100	30
AGR/N4964.Assist in maintaining the water system, waste disposal system, tools and equipment	30	40	-	30	100	25
AGR/N4955.Follow the hygiene and safety practices in culture operations	30	40	-	30	100	15
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	0	0	50	5
<b>Total</b>	<b>140</b>	<b>190</b>	<b>0</b>	<b>0</b>	<b>450</b>	<b>100</b>

## Qualification Pack

### Acronyms

<b>NOS</b>	National Occupational Standard(s)
<b>NSQF</b>	National Skills Qualifications Framework
<b>QP</b>	Qualifications Pack
<b>TVET</b>	Technical and Vocational Education and Training

## Qualification Pack

### Glossary

<b>Sector</b>	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
<b>Sub-sector</b>	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
<b>Occupation</b>	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
<b>Job role</b>	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
<b>Occupational Standards (OS)</b>	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
<b>Performance Criteria (PC)</b>	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
<b>National Occupational Standards (NOS)</b>	NOS are occupational standards which apply uniquely in the Indian context.
<b>Qualifications Pack (QP)</b>	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
<b>Unit Code</b>	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
<b>Unit Title</b>	Unit title gives a clear overall statement about what the incumbent should be able to do.
<b>Description</b>	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
<b>Scope</b>	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.

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<b>Knowledge and Understanding (KU)</b>	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
<b>Organisational Context</b>	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
<b>Technical Knowledge</b>	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
<b>Core Skills/ Generic Skills (GS)</b>	Core skills or Generic Skills (GS) are a group of skills that are the key to learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
<b>Electives</b>	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
<b>Options</b>	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.