Qualification Pack

Shrimp Farmer

QP Code: AGR/Q4902

Version: 3.0

NSQF Level: 4

Agriculture Skill Council of India || 6th Floor, GNG Tower, Plot No. 10, Sector -44, Gurgaon Haryana-122004 || email:shrinkhala@asci-india.com

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Qualification Pack

AGR/Q4902: Shrimp Farmer

Brief Job Description

A Shrimp Farmer performs various activities such as selecting the shrimp species to be cultured, setting up the shrimp farm, procuring, stocking and maintaining the shrimp seeds. The person is also responsible for harvesting and marketing the shrimps.

Personal Attributes

The individual must be physically fit to work for long durations. The person must have attention to detail along with the abilities to swim and make independent decisions.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. AGR/N4961: Prepare to carry out shrimp culture
2. AGR/N4962: Stock and maintain the shrimp seeds
3. AGR/N4923: Harvest, process and market the aquaculture organisms
4. AGR/N9922: Engage in collective farming/activity
5. AGR/N4955: Follow the hygiene and safety practices in culture operations
6. DGT/VSQ/N0102: Employability Skills (60 Hours)

Qualification Pack (QP) Parameters

Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Aquaculture
Country	India
NSQF Level	4
Credits	13
Aligned to NCO/ISCO/ISIC Code	NCO-2015/6221.0101

Minimum Educational Qualification & Experience	12th grade Pass OR Completed 2nd year of the 3-year diploma after 10 (and pursuing regular diploma) OR 10th grade pass (plus 2-year NTC) OR 10th grade pass (plus 1-year NTC plus 1 year NAC) OR 8th grade pass with 2 year NTC plus 1 year NAC plus 1 year CITS OR 10th grade pass and pursuing continuous schooling OR 10th grade pass with 2 Years of experience relevant experience OR Previous relevant Qualification of NSQF Level (Level 3.0 with minimum education as 8th Grade pass) with 3 Years of experience relevant experience OR Previous relevant Qualification of NSQF Level (Level 3.5 with 1.5- year relevant experience)
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	30/12/2024
NSQC Approval Date	30/12/2021
Version	3.0
Reference code on NQR	QG-04-AG-00295-2023-V1.1-ASCI
NQR Version	1.1

AGR/N4961: Prepare to carry out shrimp culture

Description

This OS unit is about preparing for carrying out shrimp culture and includes various activities such as selecting the shrimp species, culture system and the location of shrimp farm. It also includes setting up a shrimp farm and procuring shrimp seeds.

Scope

The scope covers the following :

- Select the shrimp species and culture system
- Select the site for shrimp farming
- Prepare the layout of the shrimp farm
- Set up the shrimp farm
- Procure the shrimp seeds

Elements and Performance Criteria

Select the shrimp species and culture system

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

PC1. select a variety of shrimp to be cultured based on its growth potential, profitability and suitability to the local conditions i.e. salinity and temperature

PC2. select an appropriate shrimp culture system such as extensive, semi-intensive, intensive according to the site conditions

Select the site for shrimp farming

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

PC3. select a suitable site for shrimp culture based on the selection criteria

PC4. co-ordinate with an approved lab to get the soil sample from the site tested to ensure the soil has the required fertility levels and ability to hold water

PC5. ensure the site is accessible, has a reliable source of power supply and easy availability of labour for the shrimp farm

Prepare the layout of the shrimp farm

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

PC6. select the shape and size of the culture pond according to the budget

PC7. calculate the elevation and orientation of the culture pond

PC8. prepare the layout of the shrimp farm as per the selected culture system planning a reservoir, dykes, sedimentation pond, inlet and outlet gates, etc.

Set up the shrimp farm

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

PC9. co-ordinate with an expert to construct the culture pond as per the layout

PC10. construct earthen/ concrete dykes of appropriate height

PC11. carry out pond lining with an appropriate material such as reinforced polyethylene, Polyvinyl Chloride (PVC) plastic sheet and geotextiles to minimise erosion and water seepage

PC12. construct the inlet and outlet gates of appropriate size according to the size of culture pond

PC13. drain out and sun-dry the perennial pond

PC14. de-mud the pond and remove the aquatic weeds

PC15. apply the recommended treatment such as chlorine, lime and gypsum to adjust the soil pH and disinfect the pond

PC16. follow the appropriate measures to control the growth of aquatic weeds and insects during shrimp culture

PC17. apply appropriate organic/ inorganic fertilizers in the culture pond to stimulate plankton bloom

PC18. construct a sedimentation pond to collect the effluents before releasing the pond water

PC19. install screen with the appropriate mesh-size at the inlet gate

PC20. install the water pump at a spot with minimum sedimentation

PC21. set up aerators in an adequate number according to the size of the culture pond

PC22. select an appropriate area to deposit the waste generated at the shrimp farm

PC23. construct a store room for storing the shrimp farming inputs, tools, equipment, etc.

PC24. erect fences of appropriate height and install nets to protect the shrimp farm from external threats

Procure the shrimp seeds

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

PC25. select a hatchery with healthy seeds of the selected shrimp species

PC26. procure the seeds with the necessary characteristics in the required quantity

PC27. arrange for safe, hygienic and stress-free transportation of the seeds

PC28. store the procured seeds under the recommended temperature and humidity

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the criteria for selecting the shrimp species to be cultured such as its growth potential, profitability and suitability to the local conditions

KU2. different types of shrimp culture systems such as extensive/ semi-intensive/ intensive and the criteria for selecting one

KU3. the criteria for selecting a site for a shrimp farm such as proximity to the sea/ river/ stream, clean water, minimum vegetation, moderate rainfall and temperature, and optimum ground elevation for effective drainage and harvesting

KU4. the importance and process of getting the soil sample tested to ensure the soil at the site has the required fertility levels and ability to hold water

KU5. inputs required for a shrimp farm such as power supply, labour, clean water, shrimp seeds, etc.

KU6. the process of preparing the layout of a shrimp farm such as planning a reservoir, dykes, sedimentation pond, inlet and outlet gates, etc.

KU7. the process of constructing the culture pond and dykes

KU8. the process of pond lining and the appropriate material to be used for the purpose such as reinforced polyethylene, Polyvinyl Chloride (PVC) plastic sheet, geotextiles, etc.

KU9. the process of preparing a perennial pond i.e. draining out, sun-drying and de-mudding

KU10. appropriate treatment to adjust the soil pH and disinfect the pond, such as lime, gypsum, chlorine, etc.

KU11. appropriate measures to be taken to control the growth of aquatic weeds and insects during shrimp culture

KU12. the importance of constructing a sedimentation pond to collect effluents before releasing the pond water

KU13. how to install a screen at the culture pond's inlet gate

KU14. the process of installing the water pump and aerators

KU15. the importance of erecting fences and installing nets to protect the shrimp farm from external threats

KU16. the process of procuring, transporting and storing shrimp seeds

KU17. appropriate characteristics to look for while procuring the shrimp seeds such as size, colour, morphology, behaviour, etc.

Generic Skills (GS)

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

GS1. write relevant notes and reports

GS2. read the relevant literature to stay updated about the latest development in the field of work

GS3. plan and schedule tasks for effective time management

GS4. identify possible hazards and disruptions and take appropriate preventive measures

GS5. communicate politely and professionally

GS6. listen attentively to understand the information being shared

GS7. take quick decisions to deal with workplace emergencies

GS8. evaluate all possible solutions to a problem to select the best one

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Select the shrimp species and culture system	**8**	**8**	**-**	**8**
PC1. select a variety of shrimp to be cultured based on its growth potential, profitability and suitability to the local conditions i.e. salinity and temperature	-	-	-	-
PC2. select an appropriate shrimp culture system such as extensive, semi-intensive, intensive according to the site conditions	-	-	-	-
Select the site for shrimp farming	**6**	**6**	**-**	**6**
PC3. select a suitable site for shrimp culture based on the selection criteria	-	-	-	-
PC4. co-ordinate with an approved lab to get the soil sample from the site tested to ensure the soil has the required fertility levels and ability to hold water	-	-	-	-
PC5. ensure the site is accessible, has a reliable source of power supply and easy availability of labour for the shrimp farm	-	-	-	-
Prepare the layout of the shrimp farm	**4**	**6**	**-**	**4**
PC6. select the shape and size of the culture pond according to the budget	-	-	-	-
PC7. calculate the elevation and orientation of the culture pond	-	-	-	-
PC8. prepare the layout of the shrimp farm as per the selected culture system planning a reservoir, dykes, sedimentation pond, inlet and outlet gates, etc.	-	-	-	-
Set up the shrimp farm	**8**	**12**	**-**	**8**
PC9. co-ordinate with an expert to construct the culture pond as per the layout	-	-	-	-
PC10. construct earthen/ concrete dykes of appropriate height	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. carry out pond lining with an appropriate material such as reinforced polyethylene, Polyvinyl Chloride (PVC) plastic sheet and geotextiles to minimise erosion and water seepage	-	-	-	-
PC12. construct the inlet and outlet gates of appropriate size according to the size of culture pond	-	-	-	-
PC13. drain out and sun-dry the perennial pond	-	-	-	-
PC14. de-mud the pond and remove the aquatic weeds	-	-	-	-
PC15. apply the recommended treatment such as chlorine, lime and gypsum to adjust the soil pH and disinfect the pond	-	-	-	-
PC16. follow the appropriate measures to control the growth of aquatic weeds and insects during shrimp culture	-	-	-	-
PC17. apply appropriate organic/ inorganic fertilizers in the culture pond to stimulate plankton bloom	-	-	-	-
PC18. construct a sedimentation pond to collect the effluents before releasing the pond water	-	-	-	-
PC19. install screen with the appropriate mesh-size at the inlet gate	-	-	-	-
PC20. install the water pump at a spot with minimum sedimentation	-	-	-	-
PC21. set up aerators in an adequate number according to the size of the culture pond	-	-	-	-
PC22. select an appropriate area to deposit the waste generated at the shrimp farm	-	-	-	-
PC23. construct a store room for storing the shrimp farming inputs, tools, equipment, etc.	-	-	-	-
PC24. erect fences of appropriate height and install nets to protect the shrimp farm from external threats	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Procure the shrimp seeds	**4**	**8**	**-**	**4**
PC25. select a hatchery with healthy seeds of the selected shrimp species	-	-	-	-
PC26. procure the seeds with the necessary characteristics in the required quantity	-	-	-	-
PC27. arrange for safe, hygienic and stress-free transportation of the seeds	-	-	-	-
PC28. store the procured seeds under the recommended temperature and humidity	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4961
NOS Name	Prepare to carry out shrimp culture
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Aquaculture
NSQF Level	4
Credits	3
Version	1.0
Last Reviewed Date	30/12/2021
Next Review Date	30/12/2024
NSQC Clearance Date	30/12/2021

AGR/N4962: Stock and maintain the shrimp seeds

Description

This OS unit is about stocking the shrimp seeds and rearing them until they attain marketable size.

Scope

The scope covers the following :

- Stock the shrimp seeds
- Carry out feed management
- Maintain the culture pond
- Carry out disease management
- Optimise resource utilisation
- Perform waste management

Elements and Performance Criteria

Stock the shrimp seeds

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

PC1. apply the appropriate treatment such as chlorine to treat water and store the treated water in the reservoir

PC2. draw treated water from the reservoir to the culture pond up to the required level

PC3. acclimatise the seeds before stocking them

PC4. stock the seeds in the culture pond, maintaining the recommended stocking density

PC5. follow the appropriate measures while stocking the seeds to minimise the damage and mortality rate

Carry out feed management

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

PC6. identify the feed and nutrition requirement of the selected shrimp species

PC7. select a vendor selling quality feed/ feed ingredients

PC8. procure the feed/ feed ingredients in the required quantity, ensuring it fulfils the shrimp's nutritional requirements

PC9. store the feed under the recommended temperature and in hygienic conditions

PC10. prepare the shrimp feed maintaining different nutrients such as protein, carbohydrates, vitamins and minerals in the recommended ratio

PC11. feed the shrimp using automatic feed dispensers or manually by spreading the feed uniformly in the culture pond

PC12. apply necessary changes to the feed according to the stages of shrimp’s growth

PC13. dispose the rancid feed appropriately

Maintain the culture pond

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

PC14. maintain the recommended levels of pH and dissolved oxygen in the culture pond

PC15. aerate the culture pond using the aerators

PC16. apply the recommended fertilizers in the recommended quantity

PC17. carry out regular cleaning of the culture pond to remove sludge, faeces and uneaten feed from the pond

PC18. identify and remove the aquatic weeds and predators from the pond

Carry out disease management

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

PC19. monitor the stocked shrimps for signs of stress and disease

PC20. sample the shrimps and co-ordinate with an approved lab to identify the disease and infections in the shrimp

PC21. apply the recommended treatment as per the prescription

Optimise resource utilisation

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

PC22. follow the recommended practices to reduce the loss of water from the culture pond

PC23. apply lime or the approved disinfectants to treat the wastewater for recycling

PC24. check the quality parameters of the treated water for its suitability for re-use

PC25. utilise the recycled water for the appropriate culture practices

PC26. optimise the usage of electricity and relevant materials in various tasks/ processes

PC27. connect the electrical tools and equipment safely and turn them off when not in use

Perform waste management

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

PC28. segregate waste into appropriate categories

PC29. deposit the recyclable materials at the identified location

PC30. dispose the non-recyclable waste in an environment-friendly manner

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the process of treating water using chlorine, lime and other approved disinfectants

KU2. the process of acclimatising and stocking the shrimp seeds, maintaining the recommended stocking density

KU3. appropriate measures to be followed while stocking the seeds to minimise the damage and mortality rate

KU4. the process of identifying the feed and nutrition requirements of the selected shrimp species

KU5. the process of procuring and storing the shrimp feed/ feed ingredients

KU6. the importance and process of preparing shrimp feed maintaining different nutrients such as protein, carbohydrates, vitamins and minerals in the recommended ratio

KU7. the manual and mechanical ways of feeding the shrimp

KU8. the importance of making necessary changes to the shrimp feed according to their stages of growth

KU9. how to maintain the optimum pH and dissolved oxygen levels in the culture pond

KU10. the process of aerating the culture pond using aerators
KU11. the process of applying fertilisers in the pond
KU12. the importance and process of cleaning the culture pond regularly to remove sludge, faeces and uneaten feed
KU13. how to identify and remove aquatic weeds and predators from the pond
KU14. various signs of stress and disease in shrimps
KU15. the process of sampling shrimps and coordinating with an approved lab to identify various diseases and infections in shrimp
KU16. the process of applying treatment in the pond to treat disease and infections
KU17. the benefits of resource optimisation
KU18. various practices to reduce the loss of water from the culture pond
KU19. quality parameters to be checked to ensure the treated water is suitable for re-use
KU20. the process of segregating waste into appropriate categories
KU21. different practices to recycle and dispose different types of waste

Generic Skills (GS)

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

GS1. write work-related records
GS2. communicate clearly and politely with co-workers and clients
GS3. read the relevant literature to get information about the latest developments in the field of work
GS4. plan and prioritise tasks to ensure timely completion
GS5. take quick decisions to deal with workplace emergencies/ accidents
GS6. listen attentively to understand the information/ instructions being shared by the speaker
GS7. identify possible disruptions to work and take appropriate preventive measures
GS8. co-ordinate with co-workers to achieve work objectives
GS9. evaluate all possible solutions to a problem to select the best one

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Stock the shrimp seeds	**4**	**6**	**-**	**4**
PC1. apply the appropriate treatment such as chlorine to treat water and store the treated water in the reservoir	-	-	-	-
PC2. draw treated water from the reservoir to the culture pond up to the required level	-	-	-	-
PC3. acclimatise the seeds before stocking them	-	-	-	-
PC4. stock the seeds in the culture pond, maintaining the recommended stocking density	-	-	-	-
PC5. follow the appropriate measures while stocking the seeds to minimise the damage and mortality rate	-	-	-	-
Carry out feed management	**8**	**12**	**-**	**8**
PC6. identify the feed and nutrition requirement of the selected shrimp species	-	-	-	-
PC7. select a vendor selling quality feed/ feed ingredients	-	-	-	-
PC8. procure the feed/ feed ingredients in the required quantity, ensuring it fulfils the shrimp's nutritional requirements	-	-	-	-
PC9. store the feed under the recommended temperature and in hygienic conditions	-	-	-	-
PC10. prepare the shrimp feed maintaining different nutrients such as protein, carbohydrates, vitamins and minerals in the recommended ratio	-	-	-	-
PC11. feed the shrimp using automatic feed dispensers or manually by spreading the feed uniformly in the culture pond	-	-	-	-
PC12. apply necessary changes to the feed according to the stages of shrimp’s growth	-	-	-	-
PC13. dispose the rancid feed appropriately	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Maintain the culture pond	**6**	**4**	**-**	**6**
PC14. maintain the recommended levels of pH and dissolved oxygen in the culture pond	-	-	-	-
PC15. aerate the culture pond using the aerators	-	-	-	-
PC16. apply the recommended fertilizers in the recommended quantity	-	-	-	-
PC17. carry out regular cleaning of the culture pond to remove sludge, faeces and uneaten feed from the pond	-	-	-	-
PC18. identify and remove the aquatic weeds and predators from the pond	-	-	-	-
Carry out disease management	**4**	**6**	**-**	**4**
PC19. monitor the stocked shrimps for signs of stress and disease	-	-	-	-
PC20. sample the shrimps and co-ordinate with an approved lab to identify the disease and infections in the shrimp	-	-	-	-
PC21. apply the recommended treatment as per the prescription	-	-	-	-
Optimise resource utilisation	**4**	**6**	**-**	**4**
PC22. follow the recommended practices to reduce the loss of water from the culture pond	-	-	-	-
PC23. apply lime or the approved disinfectants to treat the wastewater for recycling	-	-	-	-
PC24. check the quality parameters of the treated water for its suitability for re-use	-	-	-	-
PC25. utilise the recycled water for the appropriate culture practices	-	-	-	-
PC26. optimise the usage of electricity and relevant materials in various tasks/ processes	-	-	-	-
PC27. connect the electrical tools and equipment safely and turn them off when not in use	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Perform waste management	**4**	**6**	**-**	**4**
PC28. segregate waste into appropriate categories	-	-	-	-
PC29. deposit the recyclable materials at the identified location	-	-	-	-
PC30. dispose the non-recyclable waste in an environment-friendly manner	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4962
NOS Name	Stock and maintain the shrimp seeds
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Aquaculture
NSQF Level	4
Credits	3
Version	1.0
Last Reviewed Date	30/12/2021
Next Review Date	30/12/2024
NSQC Clearance Date	30/12/2021

AGR/N4923: Harvest, process and market the aquaculture organisms

Description

This OS unit is about carrying out harvesting, sorting, grading and marketing of aquaculture organisms.

Scope

The scope covers the following :

- Harvest the aquaculture organisms
- Sort, grade and store the aquaculture organisms
- Market the aquaculture organisms

Elements and Performance Criteria

Harvest the aquaculture organisms

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

PC1. check the aquaculture organisms to ensure they have attained the marketable size and are ready for being harvested

PC2. select an appropriate time of the day and method to harvest the aquaculture organisms such as ring seine, hook and line, traps and pots, trawling, purse seining, etc.

PC3. use the appropriate tools and equipment such as dip net, cast net, portable lift net, gill nets according to the selected method

PC4. harvest the aquaculture organisms partially or completely according to the local demand and proximity to the relevant markets/ buyers

PC5. protect the aquaculture organisms from stress, damage and contamination during harvesting

PC6. maintain the record of harvested organisms

Sort, grade and store the aquaculture organisms

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

PC7. carry out sorting of organisms as per the relevant criteria such as species and maturity

PC8. grade the organisms manually or mechanically on the basis of appropriate quality parameters such as size and appearance

PC9. store the organisms in hygienic conditions at the recommended temperature and humidity before and after processing

Market the aquaculture organisms

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

PC10. identify the market demand and potential buyers of the harvested aquaculture organisms

PC11. negotiate the price with the buyer(s)

PC12. pack the aquaculture organisms in appropriate containers for being transported to the market/ buyer

PC13. maintain the optimum density while packing to ensure minimum stress to the organisms during transit

PC14. follow the recommended practices to save the produce from contamination during packing and transit

PC15. arrange an appropriate mode of transport to deliver the organisms to the buyer

PC16. use the relevant e-payment method such as Aadhaar Enabled Payment System (AEPS), Unified Payment Interface (UPI), Unstructured Supplementary Service Data (USSD) payment, etc.

PC17. maintain the record of sales and payments

PC18. calculate the benefit-cost (B:C) ratio

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. maturity indicators of various aquaculture organisms

KU2. appropriate time and method to harvest the aquaculture organisms safely such as ring seine, shore seine, hook and line, traps and pots, trawling, purse seining, hook and line, etc.

KU3. use of the relevant harvesting tools and equipment such as stake net, Chinese dip net, cast net, mini trawls, gill nets, trammel net, cast net and portable lift net to harvest the aquaculture organisms

KU4. applicable documentation requirements

KU5. the process and various criteria for sorting and grading harvested aquaculture organisms

KU6. appropriate conditions to store the harvested aquaculture organisms

KU7. various activities in the process of marketing the produce such as identifying the market demand, connecting with buyers and negotiating the price, processing order and payments etc.

KU8. recommended practices for packing and transporting aquaculture organisms safely while protecting them from contamination

KU9. use of various e-payment methods such as Aadhaar Enabled Payment System (AEPS), Unified Payment Interface (UPI), Unstructured Supplementary Service Data (USSD) payment, etc.

KU10. how to calculate the benefit-cost (B:C) ratio

Generic Skills (GS)

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

GS1. write work-related records

GS2. communicate clearly and politely with co-workers and clients

GS3. read the relevant literature to get information about the latest developments in the field of work

GS4. plan and prioritise tasks to ensure timely completion

GS5. take quick decisions to deal with workplace emergencies/ accidents

GS6. listen attentively to understand the information/ instructions being shared by the speaker

GS7. identify possible disruptions to work and take appropriate preventive measures

GS8. co-ordinate with co-workers to achieve work objectives

GS9. evaluate all possible solutions to a problem to select the best one

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Harvest the aquaculture organisms	**14**	**14**	**-**	**10**
PC1. check the aquaculture organisms to ensure they have attained the marketable size and are ready for being harvested	-	-	-	-
PC2. select an appropriate time of the day and method to harvest the aquaculture organisms such as ring seine, hook and line, traps and pots, trawling, purse seining, etc.	-	-	-	-
PC3. use the appropriate tools and equipment such as dip net, cast net, portable lift net, gill nets according to the selected method	-	-	-	-
PC4. harvest the aquaculture organisms partially or completely according to the local demand and proximity to the relevant markets/ buyers	-	-	-	-
PC5. protect the aquaculture organisms from stress, damage and contamination during harvesting	-	-	-	-
PC6. maintain the record of harvested organisms	-	-	-	-
Sort, grade and store the aquaculture organisms	**8**	**14**	**-**	**12**
PC7. carry out sorting of organisms as per the relevant criteria such as species and maturity	-	-	-	-
PC8. grade the organisms manually or mechanically on the basis of appropriate quality parameters such as size and appearance	-	-	-	-
PC9. store the organisms in hygienic conditions at the recommended temperature and humidity before and after processing	-	-	-	-
Market the aquaculture organisms	**8**	**12**	**-**	**8**
PC10. identify the market demand and potential buyers of the harvested aquaculture organisms	-	-	-	-
PC11. negotiate the price with the buyer(s)	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. pack the aquaculture organisms in appropriate containers for being transported to the market/ buyer	-	-	-	-
PC13. maintain the optimum density while packing to ensure minimum stress to the organisms during transit	-	-	-	-
PC14. follow the recommended practices to save the produce from contamination during packing and transit	-	-	-	-
PC15. arrange an appropriate mode of transport to deliver the organisms to the buyer	-	-	-	-
PC16. use the relevant e-payment method such as Aadhaar Enabled Payment System (AEPS), Unified Payment Interface (UPI), Unstructured Supplementary Service Data (USSD) payment, etc.	-	-	-	-
PC17. maintain the record of sales and payments	-	-	-	-
PC18. calculate the benefit-cost (B:C) ratio	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4923
NOS Name	Harvest, process and market the aquaculture organisms
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Aquaculture
NSQF Level	4
Credits	2
Version	3.0
Last Reviewed Date	NA
Next Review Date	24/02/2025
NSQC Clearance Date	24/02/2022

AGR/N9922: Engage in collective farming/activity

Description

This OS unit is about working collectively in Producer Groups (PGs), Farmers Interest Groups (FIGs), Self-Help Groups (SHGs) and other similar groups to attain a common objective.

Scope

The scope covers the following :

- Create PGs/ FIGs/ SHGs
- Prepare for the PG/ FIG/ SHG operations
- Conduct group meetings and training sessions
- Carry out collective farming/ activities

Elements and Performance Criteria

Create PGs/ FIGs/ SHGs

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

PC1. identify farmers/ groups with the common interests in the area

PC2. create Producer Groups (PGs)/Farmers Interest Groups (FIGs)/ Self-Help Groups (SHGs), following the applicable rules and regulations

Prepare for the PG/ FIG/ SHG operations

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

PC3. organise fundraising activities to support the functioning of the group

PC4. establish links with the local government at panchayat level to obtain access to the relevant development programmes and funds

PC5. induct subject matter experts (SMEs) in the group

PC6. assist in arranging the required Information and Communication Technology (ICT) products for the group

PC7. plan the commodity convergence with the relevant developmental programmes

PC8. plan optimal production to meet the market and household food security needs

Conduct group meetings and training sessions

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

PC9. conduct the initial group meetings to introduce the members, discuss the group objectives, group income-generating enterprises/ activities, methods of operation, etc.

PC10. assist in exchanging the domain and technical knowledge such as market or price information, latest technology, and resolving common issues or conflicts through the PG/ FIG/ SHG meetings

PC11. organise capacity building exercises such as skill development and training programmes

Carry out collective farming/ activities

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

PC12. organise field trials to identify and resolve problems encountered by group members in the field operations

PC13. procure/hire advanced and expensive farm machineries/tools and equipment using the group fund for collective use of the group members

PC14. establish and manage the group-owned bank of quality seeds/ fertilisers/ pesticides/ tools and equipment, etc.

PC15. use the group's credit facility as per the applicable terms and conditions

PC16. carry out relevant duties as per own role in the PG/FIG/ SHG such as the group leader/ secretary/ book-keeper, etc.

PC17. co-ordinate within the group(s) in procuring inputs in bulk/large-scale farming, packing/transportation/marketing of the produce, etc.

PC18. assist in forming forward and backward linkages through the PGs/ FIGs/ SHGs

PC19. identify and follow the relevant practices to add value to the produce such as processing, packing, upgrading the quality, etc.

PC20. arrange for the regular repair and maintenance of the farm machineries/tools, equipment/tube/bore wells/storage/drying platforms/processing units, etc.

PC21. connect and partner with other groups to expand the network and address common problems at a large scale

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the process of preparing for the PG/ FIG/ SHG operations such as fundraising, induction of SMEs, investing in ICT products, etc.

KU2. how to establish links with the local government at the panchayat level to obtain access to the relevant development programmes and funds

KU3. the process of commodity convergence with the relevant developmental programmes

KU4. the importance of planning optimal production to meet the market and household food security needs

KU5. the importance of setting the group objectives and deciding the group income-generating enterprises/ activities, methods of operation, benefits, etc.

KU6. the importance of organising the PG/FIG/ SHG meetings and training sessions to resolve common concerns and get information about the latest developments in the field of work

KU7. the benefits of various capacity building exercises such as skill development and training programmes

KU8. the importance and process of conducting field trials to identify and resolve problems encountered by farmers in the field operations

KU9. the concept of group-owned bank to provide quality seeds, fertilisers, pesticides, tools and equipment to the member farmers

KU10. the process of using the group's credit facility

KU11. core collective farming activities such as procuring inputs in bulk, large-scale farming, packing, transportation and marketing of the produce, etc.

KU12. the concept and benefits of forming forward and backward linkages

KU13. relevant value addition practices such as processing, packing, upgrading the quality, etc.
KU14. the benefits of connecting with similar groups to address common problems at a large scale

Generic Skills (GS)

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

GS1. write relevant notes and reports
GS2. read the relevant literature to get latest updates about the field of work
GS3. communicate politely and professionally
GS4. listen attentively to understand the information being shared
GS5. plan tasks for effective use of time
GS6. identify possible disruptions to work and take appropriate preventive measures
GS7. evaluate all possible solutions to a problem to select the best one

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Create PGs/ FIGs/ SHGs	**6**	**8**	**-**	**6**
PC1. identify farmers/ groups with the common interests in the area	-	-	-	-
PC2. create Producer Groups (PGs)/Farmers Interest Groups (FIGs)/ Self-Help Groups (SHGs), following the applicable rules and regulations	-	-	-	-
Prepare for the PG/ FIG/ SHG operations	**6**	**10**	**-**	**6**
PC3. organise fundraising activities to support the functioning of the group	-	-	-	-
PC4. establish links with the local government at panchayat level to obtain access to the relevant development programmes and funds	-	-	-	-
PC5. induct subject matter experts (SMEs) in the group	-	-	-	-
PC6. assist in arranging the required Information and Communication Technology (ICT) products for the group	-	-	-	-
PC7. plan the commodity convergence with the relevant developmental programmes	-	-	-	-
PC8. plan optimal production to meet the market and household food security needs	-	-	-	-
Conduct group meetings and training sessions	**8**	**6**	**-**	**8**
PC9. conduct the initial group meetings to introduce the members, discuss the group objectives, group income-generating enterprises/ activities, methods of operation, etc.	-	-	-	-
PC10. assist in exchanging the domain and technical knowledge such as market or price information, latest technology, and resolving common issues or conflicts through the PG/ FIG/ SHG meetings	-	-	-	-
PC11. organise capacity building exercises such as skill development and training programmes	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out collective farming/ activities	**10**	**16**	**-**	**10**
PC12. organise field trials to identify and resolve problems encountered by group members in the field operations	-	-	-	-
PC13. procure/hire advanced and expensive farm machineries/tools and equipment using the group fund for collective use of the group members	-	-	-	-
PC14. establish and manage the group-owned bank of quality seeds/ fertilisers/ pesticides/ tools and equipment, etc.	-	-	-	-
PC15. use the group's credit facility as per the applicable terms and conditions	-	-	-	-
PC16. carry out relevant duties as per own role in the PG/FIG/ SHG such as the group leader/ secretary/ book-keeper, etc.	-	-	-	-
PC17. co-ordinate within the group(s) in procuring inputs in bulk/large-scale farming, packing/transportation/marketing of the produce, etc.	-	-	-	-
PC18. assist in forming forward and backward linkages through the PGs/ FIGs/ SHGs	-	-	-	-
PC19. identify and follow the relevant practices to add value to the produce such as processing, packing, upgrading the quality, etc.	-	-	-	-
PC20. arrange for the regular repair and maintenance of the farm machineries/tools, equipment/tube/bore wells/storage/drying platforms/processing units, etc.	-	-	-	-
PC21. connect and partner with other groups to expand the network and address common problems at a large scale	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N9922
NOS Name	Engage in collective farming/activity
Sector	Agriculture
Sub-Sector	Generic
Occupation	Generic
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	NA
Next Review Date	24/02/2025
NSQC Clearance Date	24/02/2022

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

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

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Maintain the water body and its hygiene	**10**	**15**	**-**	**10**
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	**10**	**15**	**-**	**10**
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	**10**	**10**	**-**	**10**

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
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	-	-	-	-
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	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

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

DGT/VSQ/N0102: Employability Skills (60 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
- Career Development & Goal Setting
- 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. identify employability skills required for jobs in various industries

PC2. identify and explore learning and employability portals

Constitutional values – Citizenship

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

PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.

PC4. follow environmentally sustainable practices

Becoming a Professional in the 21st Century

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

PC5. recognize the significance of 21st Century Skills for employment

PC6. practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life

Basic English Skills

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

PC7. use basic English for everyday conversation in different contexts, in person and over the telephone

PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English

PC9. write short messages, notes, letters, e-mails etc. in English

Career Development & Goal Setting

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

PC10. understand the difference between job and career

PC11. prepare a career development plan with short- and long-term goals, based on aptitude

Communication Skills

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

PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings

PC13. work collaboratively with others in a team

Diversity & Inclusion

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

PC14. communicate and behave appropriately with all genders and PwD

PC15. escalate any issues related to sexual harassment at workplace according to POSH Act

Financial and Legal Literacy

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

PC16. select financial institutions, products and services as per requirement

PC17. carry out offline and online financial transactions, safely and securely

PC18. identify common components of salary and compute income, expenses, taxes, investments etc

PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation

Essential Digital Skills

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

PC20. operate digital devices and carry out basic internet operations securely and safely

PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively

PC22. use basic features of word processor, spreadsheets, and presentations

Entrepreneurship

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

PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research

PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion

PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity

Customer Service

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

PC26. identify different types of customers

PC27. identify and respond to customer requests and needs in a professional manner.

PC28. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

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

PC29. create a professional Curriculum vitae (Résumé)

PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively

PC31. apply to identified job openings using offline /online methods as per requirement

PC32. answer questions politely, with clarity and confidence, during recruitment and selection

PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. need for employability skills and different learning and employability related portals

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 English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

KU6. importance of career development and setting long- and short-term goals

KU7. about effective communication

KU8. POSH Act

KU9. Gender sensitivity and inclusivity

KU10. different types of financial institutes, products, and services

KU11. how to compute income and expenditure

KU12. importance of maintaining safety and security in offline and online financial transactions

KU13. different legal rights and laws

KU14. different types of digital devices and the procedure to operate them safely and securely

KU15. how to create and operate an e- mail account and use applications such as word processors, spreadsheets etc.

KU16. how to identify business opportunities

KU17. types and needs of customers

KU18. how to apply for a job and prepare for an interview

KU19. apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

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

GS1. read and write different types of documents/instructions/correspondence

GS2. communicate effectively using appropriate language in formal and informal settings

GS3. behave politely and appropriately with all
GS4. how to work in a virtual mode
GS5. perform calculations efficiently
GS6. solve problems effectively
GS7. pay attention to details
GS8. manage time efficiently
GS9. maintain hygiene and sanitization to avoid infection

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Introduction to Employability Skills	**1**	**1**	**-**	**-**
PC1. identify employability skills required for jobs in various industries	-	-	-	-
PC2. identify and explore learning and employability portals	-	-	-	-
Constitutional values – Citizenship	**1**	**1**	**-**	**-**
PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
PC4. follow environmentally sustainable practices	-	-	-	-
Becoming a Professional in the 21st Century	**2**	**4**	**-**	**-**
PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life	-	-	-	-
Basic English Skills	**2**	**3**	**-**	**-**
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC9. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
Career Development & Goal Setting	**1**	**2**	**-**	**-**

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC10. understand the difference between job and career	-	-	-	-
PC11. prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
Communication Skills	**2**	**2**	**-**	**-**
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
Diversity & Inclusion	**1**	**2**	**-**	**-**
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
Financial and Legal Literacy	**2**	**3**	**-**	**-**
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
Essential Digital Skills	**3**	**4**	**-**	**-**
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Entrepreneurship	**2**	**3**	**-**	**-**
PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
Customer Service	**1**	**2**	**-**	**-**
PC26. identify different types of customers	-	-	-	-
PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. follow appropriate hygiene and grooming standards	-	-	-	-
Getting ready for apprenticeship & Jobs	**2**	**3**	**-**	**-**
PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
PC32. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
NOS Total	**20**	**30**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0102
NOS Name	Employability Skills (60 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	4
Credits	2
Version	1.0
Last Reviewed Date	NA
Next Review Date	28/02/2026
NSQC Clearance Date	28/02/2023

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 proportion of marks for Theory and Skills Practical for each PC.

2.The assessment for the theory part will be based on knowledge bank of questions created by the SSC.

3.Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per 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 certain number of NOSs, the trainee is eligible to take 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 : 70

(**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/N4961.Prepare to carry out shrimp culture	30	40	-	30	100	25
AGR/N4962.Stock and maintain the shrimp seeds	30	40	-	30	100	25
AGR/N4923.Harvest, process and market the aquaculture organisms	30	40	-	30	100	25
AGR/N9922.Engage in collective farming/activity	30	40	-	30	100	5
AGR/N4955.Follow the hygiene and safety practices in culture operations	30	40	-	30	100	15
DGT/VSQ/N0102.Employability Skills (60 Hours)	20	30	-	-	50	5
Total	**170**	**230**	**-**	**150**	**550**	**100**

Acronyms

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

Glossary

Sector	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.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	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.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	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.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	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.
Scope	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.

Knowledge and Understanding (KU)	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.
Organisational Context	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.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/ Generic Skills (GS)	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.
Electives	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.
Options	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.