Deep Sea Fisher

QP Code: AGR/Q5004

Version: 3.0

NSQF Level: 4

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AGR/Q5004: Deep Sea Fisher

Brief Job Description

A Deep Sea Fisher captures fish in the deep sea within the Exclusive Economic Zone (EEZ) on mechanized vessels of size less than 24m overall length (OAL). The Deep Sea Fisher is also responsible for processing and storing fish so that spoilage can be reduced and the best fish is provided to the customer.

Personal Attributes

The candidate should be physically fit to load and unload heavy crates and fishing equipment. The candidate is also required to work for long hours during the fishing assignment. The candidate must also possess manual and finger dexterity, ability to respond to important signals, high physical stamina, and ensure attention to detail. S/he should be a good swimmer and also possess decent communication skills and ability to prioritize tasks.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. AGR/N5011: Prepare for deep sea fishing activity

2. AGR/N5012: Carry out deep sea fishing activity

3. AGR/N5013: Store and market the captured fish

4. AGR/N5014: Carry out basic engine room and maintenance duties

5. AGR/N5015: Carry out basic seamanship activities

6. AGR/N5016: Store and preserve the captured deep sea fish

7. AGR/N5103: Follow the safety and hygiene practices in capture fisheries operations

8. DGT/VSQ/N0102: Employability Skills (60 Hours)

Qualification Pack (QP) Parameters

Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries

Country	India
NSQF Level	4
Credits	13
Aligned to NCO/ISCO/ISIC Code	NCO-2015/6223.0101
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	Must possess Certificate as per the regulatory requirements, if any
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	31/03/2025
NSQC Approval Date	31/03/2022
Version	3.0
Reference code on NQR	QG-04-AG-00307-2023-V1.1-ASCI
NQR Version	1.1

AGR/N5011: Prepare for deep sea fishing activity

Description

This OS unit is about preparing for deep sea fishing that includes selecting and preparing the fishing vessel and arranging the required resources.

Scope

The scope covers the following :

- Select and prepare the fishing vessel
- Ensure compliance with the regulatory requirements and select the route
- Arrange and check the equipment and other resources

Elements and Performance Criteria

Select and prepare the fishing vessel

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

PC1. identify a mechanised vessel with the required capacity for deep sea fishing

PC2. test various equipment on the fishing vessel to ensure they are working as expected

Ensure compliance with the regulatory requirements and select the route

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

PC3. ensure that the fishing permits, license and other necessary documents for the boat and equipment being used for deep sea fishing meet the applicable requirements

PC4. select the route for deep sea fishing and mark it on the map

Arrange and check the equipment and other resources

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

PC5. check for the availability and condition of the first aid kit, safety and Personal Protective Equipment (PPE), such as the scuba diving equipment and its accessories

PC6. replace the worn-out or damaged safety equipment and PPE

PC7. arrange the anchor and supporting equipment along with food, drinking water, ice and fuel as per the requirement

PC8. arrange for the safe and hygienic storage of food, water, ice, fuel and fish on the vessel

PC9. select crew for the deep sea fishing operation, ensuring they are physically fit

PC10. test the fish finding, navigation and communication equipment to ensure they are in working condition

PC11. arrange the fishing net, rod, longline gear materials, live baits and other accessories required for deep sea fishing

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the selection and use of appropriate fishing vessel for deep sea fishing

KU2. applicable permits and licensing requirements for deep sea fishing

KU3. the process of testing the various equipment on the fishing vessel

KU4. the process of selecting the route for deep sea fishing and marking it on the map

KU5. the importance of carrying the first aid kit, safety and PPE for deep sea fishing

KU6. the importance and process of checking the scuba diving equipment and its accessories for wear and tear or damage

KU7. various items to be carried to the deep sea for fishing operation such as the anchor and supporting equipment, food, drinking water, ice, fuel, fishing net, rod, longline gear materials, live baits, etc.

KU8. the importance of arranging for safe and hygienic storage of food, water, ice, fuel and fish on the vessel

KU9. the importance of selecting physically fit crew for deep sea fishing

KU10. how to test the fish finding, navigation and communication equipment

Generic Skills (GS)

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

GS1. write work-related notes and records

GS2. communicate clearly and politely

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
Select and prepare the fishing vessel	**10**	**16**	**-**	**10**
PC1. identify a mechanised vessel with the required capacity for deep sea fishing	-	-	-	-
PC2. test various equipment on the fishing vessel to ensure they are working as expected	-	-	-	-
Ensure compliance with the regulatory requirements and select the route	**8**	**8**	**-**	**8**
PC3. ensure that the fishing permits, license and other necessary documents for the boat and equipment being used for deep sea fishing meet the applicable requirements	-	-	-	-
PC4. select the route for deep sea fishing and mark it on the map	-	-	-	-
Arrange and check the equipment and other resources	**12**	**16**	**-**	**12**
PC5. check for the availability and condition of the first aid kit, safety and Personal Protective Equipment (PPE), such as the scuba diving equipment and its accessories	-	-	-	-
PC6. replace the worn-out or damaged safety equipment and PPE	-	-	-	-
PC7. arrange the anchor and supporting equipment along with food, drinking water, ice and fuel as per the requirement	-	-	-	-
PC8. arrange for the safe and hygienic storage of food, water, ice, fuel and fish on the vessel	-	-	-	-
PC9. select crew for the deep sea fishing operation, ensuring they are physically fit	-	-	-	-
PC10. test the fish finding, navigation and communication equipment to ensure they are in working condition	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. arrange the fishing net, rod, longline gear materials, live baits and other accessories required for deep sea fishing	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5011
NOS Name	Prepare for deep sea fishing activity
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	31/03/2022
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

AGR/N5012: Carry out deep sea fishing activity

Description

This unit is about capturing deep sea fish and preserving the catch during the venture.

Scope

The scope covers the following :

- Perform deep sea fishing activities
- Carry out sorting and grading of the catch
- Preserve, store and unload the fish

Elements and Performance Criteria

Perform deep sea fishing activity

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

PC1. assess the weather conditions before venturing for deep sea fishing

PC2. operate the fishing vessel and follow the selected route for deep sea fishing

PC3. maintain contact with the coast guard helpline and follow their instructions

PC4. locate the fishing grounds with an adequate quantity of fish, using the fish finding equipment

PC5. anchor the fishing vessel at the identified location

PC6. use an appropriate fishing method depending on the area and the fish species being targeted

PC7. use an appropriate type of bait depending on the targeted fish species and the selected fishing method for catching fish

PC8. prepare the deck for hauling the catch

PC9. catch the fish as per the standard procedure, taking the applicable safety precautions

PC10. transfer the catch from the fishing gear to the fishing vessel without damage to the fish

Carry out sorting and grading of the catch

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

PC11. carry out sensory evaluation of the catch

PC12. record the sensory evaluation data as per the Quality Index Method (QIM)

PC13. carry out the descriptive test on a sample to determine the quality of catch

PC14. analyse the results and sort the fish according to the results of the descriptive test

PC15. grade the catch manually or using the appropriate graders, on relevant grading parameter

Preserve, store and unload the fish

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

PC16. gut the fish to preserve it for a long duration of time

PC17. wash the gutted fish to remove blood and contaminants from its skin and gills

PC18. store the catch in hygienic conditions onboard and at the recommended temperature, protecting it from contamination

PC19. unload the fish safely from the fishing vessel on returning to the port

PC20. maintain the record of the catch unloaded at the port

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the importance of checking the weather forecast and sea conditions before going for deep sea fishing

KU2. the importance of maintaining contact with the coast guard helpline and following the instructions to ensure safe navigation in the sea

KU3. how to locate the fishing grounds with an adequate quantity of fish

KU4. the process of selecting an appropriate fishing method depending on the area and the fish species being targeted

KU5. use of an appropriate type of bait depending on the targeted fish species and the selected fishing method

KU6. the process of preparing the deck for hauling the catch

KU7. applicable safety precautions to be taken for catching the fish

KU8. the process of transferring the catch from the fishing gear to the fishing vessel

KU9. how to carry out the sensory evaluation of the catch and record the sensory evaluation data as per the Quality Index Method (QIM)

KU10. how to carry out the descriptive test to determine the quality of catch

KU11. how to analyse the results of the descriptive test and sort the fish according to its results

KU12. the process of grading the catch manually or using the appropriate graders, on the relevant grading parameter

KU13. the process of gutting and washing the fish

KU14. the importance of storing the catch in hygienic conditions, maintaining the recommended temperature

KU15. the process of unloading the fish safely from the fishing vessel

Generic Skills (GS)

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

GS1. write work-related records

GS2. communicate clearly and politely

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
Perform deep sea fishing activity	**12**	**18**	**-**	**16**
PC1. assess the weather conditions before venturing for deep sea fishing	-	-	-	-
PC2. operate the fishing vessel and follow the selected route for deep sea fishing	-	-	-	-
PC3. maintain contact with the coast guard helpline and follow their instructions	-	-	-	-
PC4. locate the fishing grounds with an adequate quantity of fish, using the fish finding equipment	-	-	-	-
PC5. anchor the fishing vessel at the identified location	-	-	-	-
PC6. use an appropriate fishing method depending on the area and the fish species being targeted	-	-	-	-
PC7. use an appropriate type of bait depending on the targeted fish species and the selected fishing method for catching fish	-	-	-	-
PC8. prepare the deck for hauling the catch	-	-	-	-
PC9. catch the fish as per the standard procedure, taking the applicable safety precautions	-	-	-	-
PC10. transfer the catch from the fishing gear to the fishing vessel without damage to the fish	-	-	-	-
Carry out sorting and grading of the catch	**10**	**10**	**-**	**8**
PC11. carry out sensory evaluation of the catch	-	-	-	-
PC12. record the sensory evaluation data as per the Quality Index Method (QIM)	-	-	-	-
PC13. carry out the descriptive test on a sample to determine the quality of catch	-	-	-	-
PC14. analyse the results and sort the fish according to the results of the descriptive test	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. grade the catch manually or using the appropriate graders, on relevant grading parameter	-	-	-	-
Preserve, store and unload the fish	**8**	**12**	**-**	**6**
PC16. gut the fish to preserve it for a long duration of time	-	-	-	-
PC17. wash the gutted fish to remove blood and contaminants from its skin and gills	-	-	-	-
PC18. store the catch in hygienic conditions onboard and at the recommended temperature, protecting it from contamination	-	-	-	-
PC19. unload the fish safely from the fishing vessel on returning to the port	-	-	-	-
PC20. maintain the record of the catch unloaded at the port	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5012
NOS Name	Carry out deep sea fishing activity
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	31/03/2022
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

AGR/N5013: Store and market the captured fish

Description

This OS unit is about storing the captured fish in hygienic conditions and marketing it.

Scope

The scope covers the following :

- Store the fish
- Market and fish

Elements and Performance Criteria

Store the fish

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

PC1. prepare a hygienic storage area for storing the captured fish

PC2. arrange the appropriate containers/ drums to store the fish

PC3. ensure the storage area has the recommended temperature and humidity for storing different species of captured fish

PC4. store the fish in the storage ensuring no damage to it

Market the fish

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

PC5. analyse market rate for the quality of captured fish

PC6. set a price for the fish according to the market rate and its quality

PC7. identify potential market/ aggregators/ buyers of the captured fish

PC8. negotiate the price with the aggregators/ buyers and accept order according to the available stock of fish

PC9. arrange a safe mode of transport to deliver fish to the aggregators/ buyers

PC10. process the payments using the appropriate electronic payment method

PC11. calculate the benefit-cost (B:C) ratio

PC12. maintain the manual and/or electronic record of sales and payments in the physical registers and/ or the relevant computer application

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the process of preparing a hygienic storage area for storing the fish

KU2. appropriate containers and drums for storing fish

KU3. recommended temperature and humidity to store different varieties of captured fish

KU4. the process of analysing the market rate for the processed fish and setting its price according to the market rate and its quality

KU5. the process of identifying and negotiating with the potential market/ aggregators/ buyers of the processed fish

KU6. the use of various electronic payment methods

KU7. safe mode of transport to deliver fish to aggregators/ buyers

KU8. the use of a relevant computer application to maintain the record of sale and payment

KU9. 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 notes

GS2. read the relevant guides and manuals

GS3. communicate clearly and politely

GS4. listen attentively to understand the information/ instructions being given

GS5. plan and prioritise tasks to ensure timely completion

GS6. take quick decisions to deal with workplace emergencies/ accidents

GS7. co-ordinate with co-workers to achieve the work objectives

GS8. identify possible disruptions to work and take preventive measures

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Store the fish	**16**	**24**	**-**	**18**
PC1. prepare a hygienic storage area for storing the captured fish	-	-	-	-
PC2. arrange the appropriate containers/ drums to store the fish	-	-	-	-
PC3. ensure the storage area has the recommended temperature and humidity for storing different species of captured fish	-	-	-	-
PC4. store the fish in the storage ensuring no damage to it	-	-	-	-
Market the fish	**14**	**16**	**-**	**12**
PC5. analyse market rate for the quality of captured fish	-	-	-	-
PC6. set a price for the fish according to the market rate and its quality	-	-	-	-
PC7. identify potential market/ aggregators/ buyers of the captured fish	-	-	-	-
PC8. negotiate the price with the aggregators/ buyers and accept order according to the available stock of fish	-	-	-	-
PC9. arrange a safe mode of transport to deliver fish to the aggregators/ buyers	-	-	-	-
PC10. process the payments using the appropriate electronic payment method	-	-	-	-
PC11. calculate the benefit-cost (B:C) ratio	-	-	-	-
PC12. maintain the manual and/or electronic record of sales and payments in the physical registers and/ or the relevant computer application	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5013
NOS Name	Store and market the captured fish
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	31/03/2022
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

AGR/N5014: Carry out basic engine room and maintenance duties

Description

This OS unit is about performing basic engine room and maintenance activities.

Scope

The scope covers the following :

- Carry out basic engine room operations
- Carry out repair and maintenance activities
- Optimise resource utilisation
- Carry out waste management

Elements and Performance Criteria

Carry out basic engine room operations

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

PC1.   check the work instructions and schedule received from the engine room in-charge

PC2.   assist in safe and efficient operation of the propulsion machinery and auxiliary equipment

PC3.   follow the applicable safety instructions while working on electrical equipment and the engine's moving parts, including operating and controlling the engine power and speed

Carry out repair and maintenance activities

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

PC4.   arrange the relevant Personal Protection Equipment (PPE) and hand/ power tools and equipment

PC5.   examine the machinery for the recommended pressure, flow and adequacy of lubricant

PC6.   check the standby equipment for repair and maintenance requirements

PC7.   check if the joints are secured tightly and have no leakages

PC8.   check the pressure and temperature gauges for the correct functioning

PC9.   check ballast, slops, stowage and security of the engine room stores

PC10.   clean rust, oil paint, grease, salt and dirt from the surface of the vessel and its machinery

PC11.   carry out lubrication of the relevant engine parts and equipment using a grease gun as per the lubrication schedule

PC12.   clean strainers and filters in various systems

PC13.   carry out maintenance of the fuel injector and fuel injection pump

PC14.   maintain cleanliness of the engine and auxiliary units

PC15.   maintain the recommended level of fuel and water in the engine

PC16.   follow the recommended procedures in case of abnormal smoke, pressure, temperature, sound etc.

PC17.   use the relevant hand and power tools as per the manufacturer's instructions

PC18.   carry out minor carpentry, plumbing and electricity-related work, as required

PC19. apply paint on the vessel surface, as required

PC20. carry out minor repair and maintenance of the tools and equipment as per the manufacturer's instructions and maintenance schedule

PC21. report any complex repair and maintenance needs to the in-charge

PC22. maintain cleanliness in the work area

PC23. maintain the record of repair and maintenance activities

Optimise resource utilisation

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

PC24. optimise the usage of water, electricity and other resources in various tasks and processes

PC25. connect the electrical tools and equipment safely and turn them off when not in use

PC26. plug any water leakages to prevent its wastage

Carry out waste management

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

PC27. segregate waste into appropriate categories

PC28. recycle the recyclable waste appropriately and 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 safe and efficient operation of the propulsion machinery and auxiliary equipment.

KU2. safety instructions to be followed while working on electrical equipment and the engine moving parts, including operating and controlling the engine power and speed

KU3. use of the relevant PPE, hand and power tools

KU4. how to check various machineries on the vessel for the recommended pressure, flow and adequacy of lubricant

KU5. the importance of checking that various joints are secured tightly and have no leakages

KU6. how to check the pressure and temperature gauges for the correct functioning

KU7. the process of checking ballast, slops, stowage and security of the engine room stores

KU8. the importance and process of cleaning rust, oil paint, grease, salt and dirt from the surface of the vessel and its machinery

KU9. the recommended lubrication schedule for various engine parts and equipment and the use of a grease gun for lubrication

KU10. the process of cleaning the strainers and filters in various engine systems

KU11. the process of repairing and maintaining the fuel injector and fuel injection pump

KU12. the importance of maintaining the cleanliness of the engine and auxiliary units

KU13. the recommended level of fuel and water to be maintained in the engine

KU14. the recommended procedures to be followed in case of abnormal smoke, pressure, temperature, sound on the fishing vessel

KU15. how to carry out minor carpentry, plumbing and electricity-related work

KU16. the process of applying paint on the vessel surface

KU17. the process of carrying out minor repair and maintenance of the relevant tools and equipment and their recommended maintenance schedule

KU18. benefits of resource optimisation

KU19. the process of segregating waste into appropriate categories

KU20. different ways of recycling and disposing waste

Generic Skills (GS)

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

GS1. write work-related records

GS2. communicate clearly and politely

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
Carry out basic engine room operations	**10**	**10**	**-**	**10**
PC1. check the work instructions and schedule received from the engine room in-charge	-	-	-	-
PC2. assist in safe and efficient operation of the propulsion machinery and auxiliary equipment	-	-	-	-
PC3. follow the applicable safety instructions while working on electrical equipment and the engine's moving parts, including operating and controlling the engine power and speed	-	-	-	-
Carry out repair and maintenance activities	**12**	**18**	**-**	**12**
PC4. arrange the relevant Personal Protection Equipment (PPE) and hand/ power tools and equipment	-	-	-	-
PC5. examine the machinery for the recommended pressure, flow and adequacy of lubricant	-	-	-	-
PC6. check the standby equipment for repair and maintenance requirements	-	-	-	-
PC7. check if the joints are secured tightly and have no leakages	-	-	-	-
PC8. check the pressure and temperature gauges for the correct functioning	-	-	-	-
PC9. check ballast, slops, stowage and security of the engine room stores	-	-	-	-
PC10. clean rust, oil paint, grease, salt and dirt from the surface of the vessel and its machinery	-	-	-	-
PC11. carry out lubrication of the relevant engine parts and equipment using a grease gun as per the lubrication schedule	-	-	-	-
PC12. clean strainers and filters in various systems	-	-	-	-
PC13. carry out maintenance of the fuel injector and fuel injection pump	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC14. maintain cleanliness of the engine and auxiliary units	-	-	-	-
PC15. maintain the recommended level of fuel and water in the engine	-	-	-	-
PC16. follow the recommended procedures in case of abnormal smoke, pressure, temperature, sound etc.	-	-	-	-
PC17. use the relevant hand and power tools as per the manufacturer's instructions	-	-	-	-
PC18. carry out minor carpentry, plumbing and electricity-related work, as required	-	-	-	-
PC19. apply paint on the vessel surface, as required	-	-	-	-
PC20. carry out minor repair and maintenance of the tools and equipment as per the manufacturer's instructions and maintenance schedule	-	-	-	-
PC21. report any complex repair and maintenance needs to the in-charge	-	-	-	-
PC22. maintain cleanliness in the work area	-	-	-	-
PC23. maintain the record of repair and maintenance activities	-	-	-	-
Optimise resource utilisation	**4**	**6**	**-**	**4**
PC24. optimise the usage of water, electricity and other resources in various tasks and processes	-	-	-	-
PC25. connect the electrical tools and equipment safely and turn them off when not in use	-	-	-	-
PC26. plug any water leakages to prevent its wastage	-	-	-	-
Carry out waste management	**4**	**6**	**-**	**4**
PC27. segregate waste into appropriate categories	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC28. recycle the recyclable waste appropriately and dispose the non-recyclable waste in an environment-friendly manner	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5014
NOS Name	Carry out basic engine room and maintenance duties
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries
NSQF Level	4
Credits	1
Version	3.0
Last Reviewed Date	NA
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

AGR/N5015: Carry out basic seamanship activities

Description

This OS unit is about carrying out basic seamanship activities such as mooring, rigging and watch-keeping.

Scope

The scope covers the following :

- Carry out mooring
- Carry out rigging
- Carry out the watch-keeping activities

Elements and Performance Criteria

Carry out mooring

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

PC1. check the mooring plan after obtaining it from the in-charge

PC2. check the condition of the messenger line, heaving line, stopper and mooring ropes

PC3. clean the non-slip mooring deck and snap-back zone

PC4. signal to the linesman as per the SOP when sending heaving line ashore

PC5. lay out the mooring rope, maintaining the recommended level of stress

PC6. prepare heaving line and stopper and arrange a standby spare heaving line

PC7. control the mooring rope speed when paying out/ heaving up

PC8. create various knots, bends, hitches and whipping on ends of the rope, and various splices of ropes, as required

Carry out rigging

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

PC9. use knotting, splicing and stoppers for rigging

PC10. rig and unrig safety nets, rat guards, Bosun's chair, pilot ladders securely

PC11. place blocks and tackles on the vessel to secure the fish and equipment

Carry out the watch-keeping activities

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

PC12. takeover the bridge activity

PC13. carry out surveillance duty at the vessel

PC14. identify changes in weather conditions, obstacles and possible collisions in the course

PC15. identify other vessels in operation using the Automatic Identification System (AIS)

PC16. identify and report the sound, light and flag signals pertaining to the vessel's operations and manoeuvres

PC17. assess the values displayed in the Global Positioning System (GPS) device and radar

PC18. identify the location of the vessel on a map by reading the latitude and longitude

PC19. observe the direction of the vessel's head on a gyrocompass and magnetic compass periodically

PC20. observe the waves and swell and estimate the water state as per the Beaufort scale

PC21. interpret the thermometer, barometer, hygrometer readings

PC22. identify navigational lighthouses, buoys and shapes

PC23. hoist combination of flags and signs using halyards, as required

PC24. identify different geographies and locations on the chart

PC25. report any abnormal sighting or sound to the relevant authority

PC26. follow the emergency response protocol to raise alarm and warn about potential emergencies

PC27. record the bridge activity, observations and communicate to the relevant authority

PC28. handover the duties along with the required details to the reliever

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. various nautical terms related to navigation hulls, shipside, engine room, etc.

KU2. the system followed to communicate using flags, hand signals and sound signals

KU3. different types of vessels used in marine and deep sea fishing

KU4. various parts and components of a vessel

KU5. the mooring system, anchors, rope-work - making knots, whippings

KU6. various activities involved in mooring, rigging and watch-keeping

KU7. the process of making shorts splice, long-splice, back-splice and eye splice

KU8. the winching process and rope handling

KU9. different kinds of ropes used onboard fishing vessels

KU10. use, maintenance and storage of natural and synthetic fibre ropes

KU11. how to rig and unrig ladders, hoist, rat-guards and gangways

KU12. the process of mooring to buoys and terminal

KU13. various flag signals, sound signals, modes of communication and related norms

KU14. navigational charts and their use

KU15. flag and sound codes used for deep sea fishing vessel communications

KU16. how to read ocean currents and waves

KU17. use of barometer, thermometer, gyro and magnetic compass and hygrometer

KU18. how to read the latitude and longitude values displayed in GPS and RADAR

KU19. use of the Automatic Identification System (AIS)

KU20. Beaufort scale for estimating the water state

Generic Skills (GS)

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

GS1. maintain work-related records

GS2. read and follow the health and safety instructions

GS3. listen attentively to understand the information/ instructions being shared

GS4. communicate clearly and politely

GS5. plan and prioritise tasks to ensure timely completion

GS6. identify possible disruptions to work and take appropriate preventive measures

GS7. take quick decisions to deal with workplace emergencies/ accidents

GS8. co-ordinate with the co-workers to achieve the 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
Carry out mooring	**12**	**14**	**-**	**8**
PC1. check the mooring plan after obtaining it from the in-charge	-	-	-	-
PC2. check the condition of the messenger line, heaving line, stopper and mooring ropes	-	-	-	-
PC3. clean the non-slip mooring deck and snap-back zone	-	-	-	-
PC4. signal to the linesman as per the SOP when sending heaving line ashore	-	-	-	-
PC5. lay out the mooring rope, maintaining the recommended level of stress	-	-	-	-
PC6. prepare heaving line and stopper and arrange a standby spare heaving line	-	-	-	-
PC7. control the mooring rope speed when paying out/ heaving up	-	-	-	-
PC8. create various knots, bends, hitches and whipping on ends of the rope, and various splices of ropes, as required	-	-	-	-
Carry out rigging	**8**	**8**	**-**	**8**
PC9. use knotting, splicing and stoppers for rigging	-	-	-	-
PC10. rig and unrig safety nets, rat guards, Bosun's chair, pilot ladders securely	-	-	-	-
PC11. place blocks and tackles on the vessel to secure the fish and equipment	-	-	-	-
Carry out the watch-keeping activities	**10**	**18**	**-**	**14**
PC12. takeover the bridge activity	-	-	-	-
PC13. carry out surveillance duty at the vessel	-	-	-	-
PC14. identify changes in weather conditions, obstacles and possible collisions in the course	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC15. identify other vessels in operation using the Automatic Identification System (AIS)	-	-	-	-
PC16. identify and report the sound, light and flag signals pertaining to the vessel's operations and manoeuvres	-	-	-	-
PC17. assess the values displayed in the Global Positioning System (GPS) device and radar	-	-	-	-
PC18. identify the location of the vessel on a map by reading the latitude and longitude	-	-	-	-
PC19. observe the direction of the vessel's head on a gyrocompass and magnetic compass periodically	-	-	-	-
PC20. observe the waves and swell and estimate the water state as per the Beaufort scale	-	-	-	-
PC21. interpret the thermometer, barometer, hygrometer readings	-	-	-	-
PC22. identify navigational lighthouses, buoys and shapes	-	-	-	-
PC23. hoist combination of flags and signs using halyards, as required	-	-	-	-
PC24. identify different geographies and locations on the chart	-	-	-	-
PC25. report any abnormal sighting or sound to the relevant authority	-	-	-	-
PC26. follow the emergency response protocol to raise alarm and warn about potential emergencies	-	-	-	-
PC27. record the bridge activity, observations and communicate to the relevant authority	-	-	-	-
PC28. handover the duties along with the required details to the reliever	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5015
NOS Name	Carry out basic seamanship activities
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	31/03/2022
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

AGR/N5016: Store and preserve the captured deep sea fish

Description

This OS unit is about storing and preserving the captured deep sea fish during the fish capture operation.

Scope

The scope covers the following :

- Store and preserve the fish
- Maintain the records

Elements and Performance Criteria

Store and preserve the fish

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

PC1. follow the recommended measures to haul the captured deep sea fish into the vessel, ensuring to protect it from damage

PC2. carry out washing and cleaning of the captured fish to remove any trash and contaminants from the catch

PC3. carry out sorting and grading of the captured fish as per the appropriate parameters

PC4. perform organoleptic analysis of the catch

PC5. maintain the captured fish alive to prevent spoilage and damage caused by slime-producing bacteria

PC6. store the graded fish according to the grade under the recommended temperature using ice or the appropriate equipment to prevent its deterioration

PC7. follow the recommended practices to protect the captured fish from contamination and ensure its hygiene during storage

PC8. follow the Sanitation Standard Operating Procedures (SSOP) and Hazard Analysis and Critical Control Point (HACCP) method to identify and manage the food safety-related risks while handling fish

PC9. carry out drying, salting and smoking for improving the shelf life of fish after it reaches the shore

Maintain the records

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

PC10. maintain the manual and electronic record of the captured fish using the physical registers and the relevant computer software

PC11. maintain the backup of data to protect against its accidental loss

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the recommended measures to be followed while hauling the captured deep sea fish into the vessel to protect it from damage

KU2. the importance of washing and cleaning the captured fish immediately after hauling

KU3. the appropriate parameters for sorting and grading fish

KU4. how to perform organoleptic analysis of the captured fish

KU5. the importance of maintaining the captured fish alive to prevent spoilage and damage caused by slime-producing bacteria

KU6. the recommended temperature for storing fish and the benefits of storing it according to the grade

KU7. the recommended practices to be followed to protect the captured fish from contamination ensure its hygiene during storage

KU8. the importance of following the SSOP and HACCP method to identify and manage the food safety-related risks while handling fish

KU9. the process of drying, salting and smoking for improving the shelf life of fish

KU10. the importance and process of maintaining manual and electronic records

KU11. the importance of maintaining the backup of data to protect against its accidental loss

Generic Skills (GS)

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

GS1. write work-related notes

GS2. read the relevant literature to get the latest updates about the field of work

GS3. perform basic calculations

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

GS5. communicate clearly and politely with co-workers and clients

GS6. plan and prioritise tasks to ensure timely completion

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

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

GS9. identify possible disruptions to work and take appropriate preventive measures

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Store and preserve the fish	**20**	**25**	**-**	**20**
PC1. follow the recommended measures to haul the captured deep sea fish into the vessel, ensuring to protect it from damage	-	-	-	-
PC2. carry out washing and cleaning of the captured fish to remove any trash and contaminants from the catch	-	-	-	-
PC3. carry out sorting and grading of the captured fish as per the appropriate parameters	-	-	-	-
PC4. perform organoleptic analysis of the catch	-	-	-	-
PC5. maintain the captured fish alive to prevent spoilage and damage caused by slime-producing bacteria	-	-	-	-
PC6. store the graded fish according to the grade under the recommended temperature using ice or the appropriate equipment to prevent its deterioration	-	-	-	-
PC7. follow the recommended practices to protect the captured fish from contamination and ensure its hygiene during storage	-	-	-	-
PC8. follow the Sanitation Standard Operating Procedures (SSOP) and Hazard Analysis and Critical Control Point (HACCP) method to identify and manage the food safety-related risks while handling fish	-	-	-	-
PC9. carry out drying, salting and smoking for improving the shelf life of fish after it reaches the shore	-	-	-	-
Maintain the records	**10**	**15**	**-**	**10**
PC10. maintain the manual and electronic record of the captured fish using the physical registers and the relevant computer software	-	-	-	-

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. maintain the backup of data to protect against its accidental loss	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5016
NOS Name	Store and preserve the captured deep sea fish
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Capture Fisheries
NSQF Level	4
Credits	1
Version	1.0
Last Reviewed Date	31/03/2022
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

AGR/N5103: Follow the safety and hygiene practices in capture fisheries operations

Description

This OS unit is about following safety, hygiene and sanitation practices for capture fisheries and fishing assistance.

Scope

The scope covers the following :

- Follow onboard safe working practices
- Follow safety guidelines in water bodies
- Follow the fish capturing and handling guidelines

Elements and Performance Criteria

Follow onboard safe working practices

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

PC1. use all fishing machinery and equipment safely following the manufacturer's instructions

PC2. carry out regular testing and maintenance of the life-saving and firefighting equipment

PC3. use the life-saving equipment in case of rough weather/ emergencies

Follow safety guidelines in water bodies

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

PC4. follow the applicable regulations such as Coastal Regulation Zone (CRZ) guidelines

PC5. use the relevant equipment to detect ships/ boats in the vicinity and take appropriate measures to avoid collisions

PC6. detect underwater dangers along the fishing route and take appropriate measures to mitigate them

Follow the fish capturing and handling guidelines

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

PC7. follow the applicable laws related to fishing methods, use of different types of fishing gear, conservation of banned species, disposal of dead/ damaged fish, etc.

PC8. identify poisonous organisms caught with the fish and dispose them safely

PC9. handle and clean the fish ensuring minimum damage to it

PC10. store the fish under the recommended temperature and in hygienic conditions to maintain its freshness

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. safe use of various fishing machineries and equipment

KU2. regular testing and maintenance of the life-saving and firefighting equipment

KU3. how to use different types of life-saving equipment

KU4. relevant regulations to be followed in the marine waters such as Coastal Regulation Zone (CRZ) guidelines

KU5. the process of using the relevant equipment to detect ships/ boats in the vicinity and the appropriate measures to be followed to avoid collisions

KU6. the process of detecting underwater dangers along the fishing route and appropriate measures to be taken to mitigate them

KU7. applicable laws related to fishing methods, use of different types of fishing gear, conservation of banned species, disposal of dead/ damaged fish, etc.

KU8. the process of identifying poisonous creatures caught with the fish and their safe disposal

KU9. the process of handling and cleaning the fish safely

KU10. the temperature and hygiene requirement for storing the fish to maintain its freshness

Generic Skills (GS)

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

GS1. write work-related records

GS2. communicate clearly and politely

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
Follow onboard safe working practices	**10**	**12**	**-**	**8**
PC1. use all fishing machinery and equipment safely following the manufacturer's instructions	-	-	-	-
PC2. carry out regular testing and maintenance of the life-saving and firefighting equipment	-	-	-	-
PC3. use the life-saving equipment in case of rough weather/ emergencies	-	-	-	-
Follow safety guidelines in water bodies	**8**	**12**	**-**	**10**
PC4. follow the applicable regulations such as Coastal Regulation Zone (CRZ) guidelines	-	-	-	-
PC5. use the relevant equipment to detect ships/ boats in the vicinity and take appropriate measures to avoid collisions	-	-	-	-
PC6. detect underwater dangers along the fishing route and take appropriate measures to mitigate them	-	-	-	-
Follow the fish capturing and handling guidelines	**12**	**16**	**-**	**12**
PC7. follow the applicable laws related to fishing methods, use of different types of fishing gear, conservation of banned species, disposal of dead/ damaged fish, etc.	-	-	-	-
PC8. identify poisonous organisms caught with the fish and dispose them safely	-	-	-	-
PC9. handle and clean the fish ensuring minimum damage to it	-	-	-	-
PC10. store the fish under the recommended temperature and in hygienic conditions to maintain its freshness	-	-	-	-
NOS Total	**30**	**40**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N5103
NOS Name	Follow the safety and hygiene practices in capture fisheries operations
Sector	Agriculture
Sub-Sector	Fisheries
Occupation	Assistance (Fisheries)
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	31/03/2022
Next Review Date	31/03/2025
NSQC Clearance Date	31/03/2022

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/N5011.Prepare for deep sea fishing activity	30	40	-	30	100	15
AGR/N5012.Carry out deep sea fishing activity	30	40	-	30	100	15
AGR/N5013.Store and market the captured fish	30	40	-	30	100	15
AGR/N5014.Carry out basic engine room and maintenance duties	30	40	-	30	100	15
AGR/N5015.Carry out basic seamanship activities	30	40	-	30	100	15
AGR/N5016.Store and preserve the captured deep sea fish	30	40	-	30	100	10
AGR/N5103.Follow the safety and hygiene practices in capture fisheries operations	30	40	-	30	100	10
DGT/VSQ/N0102.Employability Skills (60 Hours)	20	30	-	-	50	5
Total	**230**	**310**	**-**	**210**	**750**	**100**

Acronyms 51

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.