

## Qualification Pack



# Dairy Farmer (Small Holding)

QP Code: AGR/Q4105

Version: 1.0

NSQF Level: 2

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## Qualification Pack

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## Qualification Pack

### AGR/Q4105: Dairy Farmer (Small Holding)

#### Brief Job Description

A Dairy Farmer (Small Holding) ensures proper care of dairy animals, their health and productivity, milking and marketing of the produced milk. The job is to be performed in an efficient manner to allow the production of high-quality milk and promote animal well-being and comfort.

#### Personal Attributes

The individual must have attention to detail and stamina to work for long durations. The person must be able to initiate the work and give instructions. The individual should be a team player and work in coordination with others to achieve the work objectives. The individual must have technical awareness about the dairy operations

#### Applicable National Occupational Standards (NOS)

##### Compulsory NOS:

1. [AGR/N4122: Establish livestock within a small dairy farm](#)
2. [AGR/N4123: Provide feed and water to the dairy animals](#)
3. [AGR/N4124: Maintain health and productivity of the livestock](#)
4. [AGR/N4125: Perform milking of dairy animals](#)
5. [AGR/N4126: Carry out forage conservation](#)
6. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

#### Qualification Pack (QP) Parameters

<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Dairying
<b>Occupation</b>	Dairy Farm Management
<b>Country</b>	India
<b>NSQF Level</b>	2
<b>Credits</b>	7

## Qualification Pack

<b>Aligned to NCO/ISCO/ISIC Code</b>	NCO-2015/6121.0201
<b>Minimum Educational Qualification &amp; Experience</b>	No formal education prescribed with NA of experience
<b>Minimum Level of Education for Training in School</b>	
<b>Pre-Requisite License or Training</b>	NA
<b>Minimum Job Entry Age</b>	17 Years
<b>Last Reviewed On</b>	NA
<b>Next Review Date</b>	29/09/2026
<b>NSQC Approval Date</b>	29/09/2023
<b>Version</b>	1.0
<b>Reference code on NQR</b>	QG-02-AG-01003-2023-V1-ASCI
<b>NQR Version</b>	1.0

## Qualification Pack

### AGR/N4122: Establish livestock within a small dairy farm

#### Description

This OS is about establishing and monitoring livestock in their accommodation

#### Scope

The scope covers the following :

- Establish livestock in their accommodation
- Monitor livestock in their accommodation

#### Elements and Performance Criteria

##### *Establish livestock in their accommodation*

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

- PC1.** use suitable personal protective equipment when establishing livestock in their accommodation
- PC2.** check that the equipment, materials and accommodation are suitable for the reception of the livestock, prior to their arrival
- PC3.** develop suitable environmental conditions for the animals
- PC4.** handle and move the livestock correctly and safely, according to the supervisor's instructions
- PC5.** introduce livestock into the accommodation in a way that minimizes stress and maintains their health and welfare
- PC6.** solve any difficulties related to establishment of livestock accommodation
- PC7.** carry out work according to relevant codes of practice to establish best livestock accommodation

##### *Monitor livestock in their accommodation*

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

- PC8.** monitor the livestock carefully, to ensure their ongoing health and welfare is maintained
- PC9.** monitor environmental conditions carefully to ensure that they promote the health and well-being of livestock
- PC10.** adjust and replenish materials as required by the livestock
- PC11.** arrange for regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification
- PC12.** ensure cleaning routines of animals as per prescribed procedures
- PC13.** arrange for regular disposal of animal waste and other wastes as per prescribed procedures
- PC14.** report problems that cannot be dealt with to the supervisor immediately

#### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

## Qualification Pack

- KU1.** relevant legislation, standards, policies and procedures in the workplace
- KU2.** relevant health and safety requirements, applicable to the work environment
- KU3.** own job role, responsibilities and sources of information pertaining to the job operations
- KU4.** who to approach for support in order to obtain work-related information and clarifications
- KU5.** the impact of not following the health, hygiene, safety and quality standards on consumers and the business
- KU6.** the type of accommodations and their suitability for different animals
- KU7.** materials and equipment in the accommodation necessary for livestock good health & well-being
- KU8.** the different factors that should be taken into account when accommodating livestock such as safe, secure, stress-free and clean state
- KU9.** the importance of settling livestock in a new place
- KU10.** the specific needs of livestock to provide livestock comfort
- KU11.** the relationship between maintaining livestock accommodation and promoting animal health & well-being
- KU12.** how to recognize stress and abnormal behavior of the livestock
- KU13.** the suitable hygiene and sanitation practices of the accommodation while maintaining high standards of livestock well-being and safety
- KU14.** the use of disinfectants, cleaning agents, cleaning techniques and cleaning equipment and materials and their effects on the health and well-being of livestock
- KU15.** the consequences of failing to monitor and take action effectively

## Generic Skills (GS)

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

- GS1.** write relevant notes and reports
- GS2.** report problems to the appropriate personnel in a timely manner
- GS3.** read instruction manuals for hand tools and equipment
- GS4.** plan and schedule daily activities for self and workers
- GS5.** analyze the information gathered from data, observations and experiences
- GS6.** identify possible disruptions to work and take appropriate preventive measures
- GS7.** evaluate all possible solutions to a problem to select the best one

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Establish livestock in their accommodation</i>	<b>22</b>	<b>23</b>	-	<b>15</b>
<b>PC1.</b> use suitable personal protective equipment when establishing livestock in their accommodation	-	-	-	-
<b>PC2.</b> check that the equipment, materials and accommodation are suitable for the reception of the livestock, prior to their arrival	-	-	-	-
<b>PC3.</b> develop suitable environmental conditions for the animals	-	-	-	-
<b>PC4.</b> handle and move the livestock correctly and safely, according to the supervisor's instructions	-	-	-	-
<b>PC5.</b> introduce livestock into the accommodation in a way that minimizes stress and maintains their health and welfare	-	-	-	-
<b>PC6.</b> solve any difficulties related to establishment of livestock accommodation	-	-	-	-
<b>PC7.</b> carry out work according to relevant codes of practice to establish best livestock accommodation	-	-	-	-
<i>Monitor livestock in their accommodation</i>	<b>16</b>	<b>14</b>	-	<b>10</b>
<b>PC8.</b> monitor the livestock carefully, to ensure their ongoing health and welfare is maintained	-	-	-	-
<b>PC9.</b> monitor environmental conditions carefully to ensure that they promote the health and well-being of livestock	-	-	-	-
<b>PC10.</b> adjust and replenish materials as required by the livestock	-	-	-	-
<b>PC11.</b> arrange for regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> ensure cleaning routines of animals as per prescribed procedures	-	-	-	-
<b>PC13.</b> arrange for regular disposal of animal waste and other wastes as per prescribed procedures	-	-	-	-
<b>PC14.</b> report problems that cannot be dealt with to the supervisor immediately	-	-	-	-
<b>NOS Total</b>	<b>38</b>	<b>37</b>	-	<b>25</b>



## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4122
<b>NOS Name</b>	Establish livestock within a small dairy farm
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Dairying
<b>Occupation</b>	Dairy Farm Management
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	29/09/2023
<b>Next Review Date</b>	29/09/2026
<b>NSQC Clearance Date</b>	29/09/2023

## Qualification Pack

### AGR/N4123: Provide feed and water to the dairy animals

#### Description

This OS is about ways of preparing, monitoring and maintaining feed and water supplies to livestock.

#### Scope

The scope covers the following :

- Receive & Store Animal Feed
- Prepare feed and water supplies for livestock
- Monitor & maintain the supply of feed & water to livestock

#### Elements and Performance Criteria

##### *Receive & Store Animal Feed*

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

- PC1.** assess the quality, quantity , type and condition of delivered animal feed
- PC2.** report any shortfalls or faults in delivered animal feed to the appropriate person
- PC3.** store the feed safely according to the manufacturer's recommendations
- PC4.** assess stored animal feed regularly for any signs of rodent and pest infestation and report this to the appropriate person straight away
- PC5.** assess stock levels against critical levels regularly and tell the appropriate person if stocks are low
- PC6.** follow fodder cultivation schedule, sourcing in case of scarcity
- PC7.** conserve /store surplus fodder for use during scarcity periods

##### *Prepare feed and water supplies for livestock*

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

- PC8.** sanitize hands, tools & equipment effectively before and after undertaking any work-related process
- PC9.** prepare appropriate proportions of feed and supplements depending on the age and growth stage and production of livestock ensuring minimum wastage
- PC10.** operate and maintain equipment used in feed preparation fodder cultivation, harvesting chaffing, conservation and dispensing
- PC11.** dispose of waste animal feed in a safe place keeping all the equipment and tools away

##### *Monitor the supply of feed & water to livestock*

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

- PC12.** wear suitable personal protective equipment when preparing, providing feed and water to livestock
- PC13.** provide fresh and clean feed and water to the livestock based on the recommendations and requirements of the breed
- PC14.** monitor the quality of feed & water and take the appropriate action when problems occur
- PC15.** clean & maintain feed and water equipment according to established workplace procedures

## Qualification Pack

**PC16.** monitor the water usage and take appropriate action in case of water wastage

### Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies and procedures in the workplace
- KU2.** relevant health and safety requirements, applicable to the work environment
- KU3.** their own job role, responsibilities and sources for information pertaining to the work
- KU4.** who to approach for support in order to obtain work-related information and clarifications
- KU5.** the impact of not following the health, hygiene, safety and quality standards on consumers and the business
- KU6.** the proper channels and contacts for ordering stock of feed, supplements and fodder
- KU7.** the importance of checking the quantity & quality of received feed and the impacts of any leniency
- KU8.** the importance of keeping a detailed record of feed and other supplies
- KU9.** how to identify the feed of poor quality & standards and take appropriate measures to resolve this problem
- KU10.** the types of feed and the possible consequences of mishandling it
- KU11.** the principles of stock rotation and its importance
- KU12.** how to identify the signs of possible pest infestation and the necessary actions to control it
- KU13.** the importance of quality of feed and water
- KU14.** the methods of cleaning and maintaining feeding and watering equipment
- KU15.** how to ensure all livestock have access to feed and water
- KU16.** how to identify abnormal feeding and drinking behavior of livestock and the potential reasons for changes in consumption

### Generic Skills (GS)

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

- GS1.** write relevant notes and reports
- 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 feed supply and livestock maintenance
- GS4.** plan and prioritise tasks to ensure timely completion
- GS5.** co-ordinate with co-workers to achieve work objectives
- GS6.** take quick decisions to deal with workplace emergencies
- GS7.** evaluate all possible solutions to a problem to select the best one

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Receive &amp; Store Animal Feed</i>	<b>16</b>	<b>17</b>	-	<b>7</b>
<b>PC1.</b> assess the quality, quantity , type and condition of delivered animal feed	-	-	-	-
<b>PC2.</b> report any shortfalls or faults in delivered animal feed to the appropriate person	-	-	-	-
<b>PC3.</b> store the feed safely according to the manufacturer's recommendations	-	-	-	-
<b>PC4.</b> assess stored animal feed regularly for any signs of rodent and pest infestation and report this to the appropriate person straight away	-	-	-	-
<b>PC5.</b> assess stock levels against critical levels regularly and tell the appropriate person if stocks are low	-	-	-	-
<b>PC6.</b> follow fodder cultivation schedule, sourcing in case of scarcity	-	-	-	-
<b>PC7.</b> conserve /store surplus fodder for use during scarcity periods	-	-	-	-
<i>Prepare feed and water supplies for livestock</i>	<b>12</b>	<b>10</b>	-	<b>8</b>
<b>PC8.</b> sanitize hands, tools & equipment effectively before and after undertaking any work-related process	-	-	-	-
<b>PC9.</b> prepare appropriate proportions of feed and supplements depending on the age and growth stage and production of livestock ensuring minimum wastage	-	-	-	-
<b>PC10.</b> operate and maintain equipment used in feed preparation fodder cultivation, harvesting chaffing, conservation and dispensing	-	-	-	-
<b>PC11.</b> dispose of waste animal feed in a safe place keeping all the equipment and tools away	-	-	-	-
<i>Monitor the supply of feed &amp; water to livestock</i>	<b>12</b>	<b>10</b>	-	<b>8</b>

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> wear suitable personal protective equipment when preparing, providing feed and water to livestock	-	-	-	-
<b>PC13.</b> provide fresh and clean feed and water to the livestock based on the recommendations and requirements of the breed	-	-	-	-
<b>PC14.</b> monitor the quality of feed & water and take the appropriate action when problems occur	-	-	-	-
<b>PC15.</b> clean & maintain feed and water equipment according to established workplace procedures	-	-	-	-
<b>PC16.</b> monitor the water usage and take appropriate action in case of water wastage	-	-	-	-
<b>NOS Total</b>	<b>40</b>	<b>37</b>	<b>-</b>	<b>23</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4123
<b>NOS Name</b>	Provide feed and water to the dairy animals
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Dairying
<b>Occupation</b>	Dairy Farm Management
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	29/09/2023
<b>Next Review Date</b>	29/09/2026
<b>NSQC Clearance Date</b>	29/09/2023

## Qualification Pack

### AGR/N4124: Maintain health and productivity of the livestock

#### Description

This OS deals with the ways of monitoring the health and well-being of livestock and delivering basic recommended treatment to livestock.

#### Scope

The scope covers the following :

- Monitor the health and well-being of livestock
- Deliver basic recommended treatment to livestock

#### Elements and Performance Criteria

##### *Monitor the health and well-being of livestock*

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

- PC1.** deal with livestock in a manner that minimizes the chance of stress and injury
- PC2.** provide livestock with sufficient space & area to move around and maintain their physical functioning
- PC3.** monitor the physical condition of the livestock at suitable intervals and identify, record and report any abnormal signs
- PC4.** inspect the livestock regularly for the presence of any parasites
- PC5.** plan disease prevention measures like vaccination, deworming schedules
- PC6.** provide assistance for any health-related emergency and initiate action appropriate to the situation
- PC7.** manage disposal of waste in a safe & secure manner ensuring the health and well-being of livestock
- PC8.** ensure livestock related records are accurate and complete which comply with organizational requirements for future reference

##### *Deliver basic recommended treatment to livestock*

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

- PC9.** administer drugs, medication and other medical supplies in accordance with veterinary instructions and organizational policy
- PC10.** ensure deworming and vaccination as per schedule
- PC11.** use only fresh and uncontaminated prescribed medication for the intended animal
- PC12.** report any difficulty encountered while administering treatments immediately to the concerned person
- PC13.** maintain records of the treatments precisely according to established workplace procedures
- PC14.** monitor livestock after treatments and report concerns immediately to the concerned person
- PC15.** maintain relevant legislation, standards, policies and procedures in the workplace

#### Knowledge and Understanding (KU)

## Qualification Pack

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures in work
- KU2.** relevant health and safety requirements applicable in the work
- KU3.** their own job role and responsibilities and sources for information pertaining to work
- KU4.** who to approach for support in order to obtain work related information, clarifications and support
- KU5.** the importance of following health, hygiene, safety and quality standards and the impact of not following the standards on consumers and the business
- KU6.** documentation and related procedures applicable in the context of work
- KU7.** how to promote the health and well-being of animals and minimize any stress and injury
- KU8.** the purpose for which the animals are being kept and the relationship of this to health and well-being
- KU9.** why animals need movement and how this varies at different times
- KU10.** the appearance, posture and movement, behavior and bodily functioning of healthy animals, characteristics of the species, age, health status and social needs
- KU11.** the signs which indicate potential problems with animals health and well-being, and the actions which should be taken
- KU12.** types of preventative care for maintaining the health and well-being of animals
- KU13.** how to maintain conducive environment for the health and well-being of the animals
- KU14.** the associated hazards and risks to animals and staff during animal related operations
- KU15.** the importance of accuracy while recording operations
- KU16.** how to recognize a health emergency of an animal and the correct actions to be taken
- KU17.** correct methods for disposing of organic and inorganic waste
- KU18.** the significance of expiry dates on drugs and medication
- KU19.** how to identify the possible sources of contamination to medicines
- KU20.** relevant equipment required for treatment
- KU21.** how to administer prescribed basic healthcare treatments
- KU22.** the importance of personal hygiene and safety precautions (e.g. communicable diseases between animals and humans)
- KU23.** changes in the animal behaviour which may occur after the treatment

## Generic Skills (GS)

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

- GS1.** write relevant notes and reports
- GS2.** take quick decisions to deal with workplace emergencies/ accidents
- GS3.** evaluate all possible solutions to a problem to select the best one
- GS4.** read manuals for medicines, hand tool and equipment work orders and procedures
- GS5.** communicate politely and professionally with co-workers
- GS6.** plan tasks for effective use of time



## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Monitor the health and well-being of livestock</i>	<b>20</b>	<b>15</b>	-	<b>14</b>
<b>PC1.</b> deal with livestock in a manner that minimizes the chance of stress and injury	-	-	-	-
<b>PC2.</b> provide livestock with sufficient space & area to move around and maintain their physical functioning	-	-	-	-
<b>PC3.</b> monitor the physical condition of the livestock at suitable intervals and identify, record and report any abnormal signs	-	-	-	-
<b>PC4.</b> inspect the livestock regularly for the presence of any parasites	-	-	-	-
<b>PC5.</b> plan disease prevention measures like vaccination, deworming schedules	-	-	-	-
<b>PC6.</b> provide assistance for any health-related emergency and initiate action appropriate to the situation	-	-	-	-
<b>PC7.</b> manage disposal of waste in a safe & secure manner ensuring the health and well-being of livestock	-	-	-	-
<b>PC8.</b> ensure livestock related records are accurate and complete which comply with organizational requirements for future reference	-	-	-	-
<i>Deliver basic recommended treatment to livestock</i>	<b>21</b>	<b>17</b>	-	<b>13</b>
<b>PC9.</b> administer drugs, medication and other medical supplies in accordance with veterinary instructions and organizational policy	-	-	-	-
<b>PC10.</b> ensure deworming and vaccination as per schedule	-	-	-	-
<b>PC11.</b> use only fresh and uncontaminated prescribed medication for the intended animal	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> report any difficulty encountered while administering treatments immediately to the concerned person	-	-	-	-
<b>PC13.</b> maintain records of the treatments precisely according to established workplace procedures	-	-	-	-
<b>PC14.</b> monitor livestock after treatments and report concerns immediately to the concerned person	-	-	-	-
<b>PC15.</b> maintain relevant legislation, standards, policies and procedures in the workplace	-	-	-	-
<b>NOS Total</b>	<b>41</b>	<b>32</b>	<b>-</b>	<b>27</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4124
<b>NOS Name</b>	Maintain health and productivity of the livestock
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Dairying
<b>Occupation</b>	Dairy Farm Management
<b>NSQF Level</b>	2
<b>Credits</b>	2
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	29/09/2023
<b>Next Review Date</b>	29/09/2026
<b>NSQC Clearance Date</b>	29/09/2023

## Qualification Pack

### AGR/N4125: Perform milking of dairy animals

#### Description

This OS is about good hand and machine milking practices to be followed by the dairy farmer in day to day dairy activities

#### Scope

The scope covers the following :

- Pre-Milking Activities
- Milking Activities
- Post-Milking Activities

#### Elements and Performance Criteria

##### *Pre-Milking Activities*

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

- PC1.** maintain conducive milking environment
- PC2.** restrain livestock for milking
- PC3.** ensure personal hygiene of milker and prepare udder before milking
- PC4.** check for mastitis
- PC5.** check and adjust milking equipment, as required
- PC6.** ensure correct livestock health treatments during drying off, as directed, with minimal stress and weight loss
- PC7.** follow proper livestock treatments during drying off period

##### *Milking Activities*

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

- PC8.** develop a calm regular milking routine in livestock
- PC9.** implement milking procedures with minimum stress to livestock and maximum yield within reasonable timeframes
- PC10.** rectify minor malfunctions of equipment and milking systems under guidance of technical expert
- PC11.** implement prescribed handling practices so as to prevent cross-infection during milking operations

##### *Post-Milking Activities*

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

- PC12.** perform teat dipping to prevent mastitis
- PC13.** weigh and store the milk into milk can
- PC14.** clean the milking pail and keep them in the designated place
- PC15.** clean the milking machine and store in a hygienic place

#### Knowledge and Understanding (KU)

## Qualification Pack

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures in work
- KU2.** relevant health and safety requirements applicable in the work environment
- KU3.** their own job role and responsibilities and sources for information pertaining to work
- KU4.** who to approach for support in order to obtain work-related information, clarifications and support
- KU5.** importance of following health, hygiene, safety and quality standards on productivity, consumers and the business
- KU6.** documentation and related procedures applicable in the context of work
- KU7.** hygiene and proper environment requirements for stress-free milking
- KU8.** factors which increases livestock stress and measures to be taken to minimize stress
- KU9.** how to identify mastitis and measures to be taken thereafter
- KU10.** methodology of operating milking machine and its maintenance
- KU11.** relevant codes of practice with regard to milking operation
- KU12.** causes of poor milk quality
- KU13.** hygiene requirements of milker, premises, animal and utensils
- KU14.** proper milk storage techniques to avoid milk spoilage
- KU15.** basic types & control of udder health problems of dairy cattle

## Generic Skills (GS)

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

- GS1.** write relevant notes and develop reports on milking pattern
- GS2.** read the relevant literature to get latest updates about the field of work
- GS3.** communicate politely and professionally with co-workers
- GS4.** plan tasks for effective use of time
- GS5.** identify possible hazards and disruptions and take appropriate preventive measures
- GS6.** evaluate all possible solutions to a problem to select the best one

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Pre-Milking Activities</i>	<b>12</b>	<b>19</b>	-	<b>7</b>
<b>PC1.</b> maintain conducive milking environment	-	-	-	-
<b>PC2.</b> restrain livestock for milking	-	-	-	-
<b>PC3.</b> ensure personal hygiene of milker and prepare udder before milking	-	-	-	-
<b>PC4.</b> check for mastitis	-	-	-	-
<b>PC5.</b> check and adjust milking equipment, as required	-	-	-	-
<b>PC6.</b> ensure correct livestock health treatments during drying off, as directed, with minimal stress and weight loss	-	-	-	-
<b>PC7.</b> follow proper livestock treatments during drying off period	-	-	-	-
<i>Milking Activities</i>	<b>9</b>	<b>15</b>	-	<b>6</b>
<b>PC8.</b> develop a calm regular milking routine in livestock	-	-	-	-
<b>PC9.</b> implement milking procedures with minimum stress to livestock and maximum yield within reasonable timeframes	-	-	-	-
<b>PC10.</b> rectify minor malfunctions of equipment and milking systems under guidance of technical expert	-	-	-	-
<b>PC11.</b> implement prescribed handling practices so as to prevent cross-infection during milking operations	-	-	-	-
<i>Post-Milking Activities</i>	<b>9</b>	<b>15</b>	-	<b>8</b>
<b>PC12.</b> perform teat dipping to prevent mastitis	-	-	-	-
<b>PC13.</b> weigh and store the milk into milk can	-	-	-	-
<b>PC14.</b> clean the milking pail and keep them in the designated place	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC15.</b> clean the milking machine and store in a hygienic place	-	-	-	-
<b>NOS Total</b>	<b>30</b>	<b>49</b>	<b>-</b>	<b>21</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4125
<b>NOS Name</b>	Perform milking of dairy animals
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Dairying
<b>Occupation</b>	Dairy Farm Management
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	29/09/2023
<b>Next Review Date</b>	29/09/2026
<b>NSQC Clearance Date</b>	29/09/2023



## Qualification Pack

### AGR/N4126: Carry out forage conservation

#### Description

This OS is about ways of conserving forage so as to ensure all year supply of the same to the dairy animals at the farm

#### Scope

The scope covers the following :

- Preparation for Fodder Conservation
- Conservation of Forage
- Closing Operations

#### Elements and Performance Criteria

##### *Preparation for Fodder Conservation*

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

- PC1.** explore various forage conservation options based on the year round requirement of feed and fodder, and availability of fodder
- PC2.** identify risk factors for spoilage in forage conservation such as fire, vermin and contamination in silage
- PC3.** ensure favorable conditions suitable for forage conservation
- PC4.** prepare forage conservation machinery and equipment in accordance with manufacturer's specifications, Occupational Health and Safety (OHS) requirements
- PC5.** ensure clear access to paddocks for harvesting and transport machinery
- PC6.** prepare storage facility for selected forage conservation type

##### *Conservation of Forage*

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

- PC7.** identify safety hazards and implement OHS (Occupational Health and Safety) procedures for forage conservation
- PC8.** monitor weather conditions to determine optimum time for harvest and to ensure quality
- PC9.** identify dry matter target and assess dry matter content of forage material for the forage operation
- PC10.** mow, condition, tender and/or rake swaths depending on weather conditions and forage drying targets
- PC11.** conduct harvesting activities in a safe, controlled and efficient manner
- PC12.** check equipment during harvesting operations regularly for wear and damage
- PC13.** bale, wrap, compact, seal or store forage in accordance with storage plan
- PC14.** load, transport, and store/compact (if required) forage in accordance with OHS and quality requirements
- PC15.** store forage so as to minimize risk of spoilage and combustion

##### *Closing Operations*

## Qualification Pack

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

- PC16.** dispose of all waste and debris to minimize environmental impacts
- PC17.** clean and service machinery and ancillary equipment in accordance with manufacturer's specifications, OHS requirements and industry practice
- PC18.** test or sample stored forage for quality
- PC19.** mitigate environmental impacts of forage conservation activities such as effluent run off, if any

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures in work
- KU2.** relevant health and safety requirements applicable in the work environment
- KU3.** their own job role and responsibilities and sources for information pertaining to work
- KU4.** who to approach for support in order to obtain work-related information, clarifications and support
- KU5.** the importance of following health, hygiene, safety and quality standards and the impact of not following the standards on consumers and the business
- KU6.** the documentation and related procedures applicable in the context of work
- KU7.** the silage and hay making methods and treatment of straw
- KU8.** the factors affecting the quality of silage and hay
- KU9.** the types and functions of silage and haymaking machinery and equipment
- KU10.** common weeds, pests and diseases associated with crops and pastures
- KU11.** silage and hay making methods and treatment of straw
- KU12.** the factors affecting the quality of silage and hay
- KU13.** the types and functions of silage and haymaking machinery and equipment
- KU14.** common weeds, pests and diseases associated with crops and pastures
- KU15.** the types and application of personal protective equipment
- KU16.** the dry matter content, quality and hygiene requirements
- KU17.** the environmental risks and impacts of forage conservation

## Generic Skills (GS)

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

- GS1.** record data which are required for record-keeping purpose
- GS2.** read instructions on work orders and procedures
- GS3.** plan tasks for effective use of time
- GS4.** communicate politely and professionally
- GS5.** evaluate all possible solutions to a problem to select the best one

## Qualification Pack

### Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Preparation for Fodder Conservation</i>	<b>13</b>	<b>14</b>	-	<b>8</b>
<b>PC1.</b> explore various forage conservation options based on the year round requirement of feed and fodder, and availability of fodder	-	-	-	-
<b>PC2.</b> identify risk factors for spoilage in forage conservation such as fire, vermin and contamination in silage	-	-	-	-
<b>PC3.</b> ensure favorable conditions suitable for forage conservation	-	-	-	-
<b>PC4.</b> prepare forage conservation machinery and equipment in accordance with manufacturer's specifications, Occupational Health and Safety (OHS) requirements	-	-	-	-
<b>PC5.</b> ensure clear access to paddocks for harvesting and transport machinery	-	-	-	-
<b>PC6.</b> prepare storage facility for selected forage conservation type	-	-	-	-
<i>Conservation of Forage</i>	<b>20</b>	<b>20</b>	-	<b>9</b>
<b>PC7.</b> identify safety hazards and implement OHS (Occupational Health and Safety) procedures for forage conservation	-	-	-	-
<b>PC8.</b> monitor weather conditions to determine optimum time for harvest and to ensure quality	-	-	-	-
<b>PC9.</b> identify dry matter target and assess dry matter content of forage material for the forage operation	-	-	-	-
<b>PC10.</b> mow, condition, tender and/or rake swaths depending on weather conditions and forage drying targets	-	-	-	-
<b>PC11.</b> conduct harvesting activities in a safe, controlled and efficient manner	-	-	-	-

### Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<b>PC12.</b> check equipment during harvesting operations regularly for wear and damage	-	-	-	-
<b>PC13.</b> bale, wrap, compact, seal or store forage in accordance with storage plan	-	-	-	-
<b>PC14.</b> load, transport, and store/compact (if required) forage in accordance with OHS and quality requirements	-	-	-	-
<b>PC15.</b> store forage so as to minimize risk of spoilage and combustion	-	-	-	-
<i>Closing Operations</i>	<b>7</b>	<b>6</b>	-	<b>3</b>
<b>PC16.</b> dispose of all waste and debris to minimize environmental impacts	-	-	-	-
<b>PC17.</b> clean and service machinery and ancillary equipment in accordance with manufacturer's specifications, OHS requirements and industry practice	-	-	-	-
<b>PC18.</b> test or sample stored forage for quality	-	-	-	-
<b>PC19.</b> mitigate environmental impacts of forage conservation activities such as effluent run off, if any	-	-	-	-
<b>NOS Total</b>	<b>40</b>	<b>40</b>	-	<b>20</b>

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	AGR/N4126
<b>NOS Name</b>	Carry out forage conservation
<b>Sector</b>	Agriculture
<b>Sub-Sector</b>	Dairying
<b>Occupation</b>	Dairy Farm Management
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	29/09/2023
<b>Next Review Date</b>	29/09/2026
<b>NSQC Clearance Date</b>	29/09/2023

## Qualification Pack

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

#### Description

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

#### Scope

The scope covers the following :

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

#### Elements and Performance Criteria

##### *Introduction to Employability Skills*

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

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

##### *Constitutional values – Citizenship*

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

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

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

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

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

##### *Basic English Skills*

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

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

##### *Communication Skills*

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

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

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

## Qualification Pack

### *Diversity & Inclusion*

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

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

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

### *Financial and Legal Literacy*

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

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

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

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

### *Essential Digital Skills*

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

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

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

### *Entrepreneurship*

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

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

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

### *Customer Service*

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

**PC16.** identify different types of customers

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

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

### *Getting ready for apprenticeship & Jobs*

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

**PC19.** create a basic biodata

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

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

## Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

**KU1.** need for employability skills

**KU2.** various constitutional and personal values

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

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

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

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

**KU7.** inclusivity and its importance

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

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

## Qualification Pack

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

## Generic Skills (GS)

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

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



## Qualification Pack

### Assessment Criteria

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

### Qualification Pack

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

## Qualification Pack

### National Occupational Standards (NOS) Parameters

<b>NOS Code</b>	DGT/VSQ/N0101
<b>NOS Name</b>	Employability Skills (30 Hours)
<b>Sector</b>	Cross Sectoral
<b>Sub-Sector</b>	Professional Skills
<b>Occupation</b>	Employability
<b>NSQF Level</b>	2
<b>Credits</b>	1
<b>Version</b>	1.0
<b>Last Reviewed Date</b>	18/02/2025
<b>Next Review Date</b>	18/02/2028
<b>NSQC Clearance Date</b>	18/02/2025

## 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) will be assigned marks proportional to its importance in NOS. SSC will also lay down the proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on the knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.
4. Individual assessment agencies will create unique question papers for the theory part for each candidate at each examination/training centre (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on this criterion.
6. To pass the Qualification Pack, every trainee should score a minimum of 50% of aggregate marks to successfully clear the assessment.

## Qualification Pack

7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack

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

**(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/N4122.Establish livestock within a small dairy farm	38	37	-	25	100	15
AGR/N4123.Provide feed and water to the dairy animals	40	37	-	23	100	25
AGR/N4124.Maintain health and productivity of the livestock	41	32	-	27	100	25
AGR/N4125.Perform milking of dairy animals	30	49	-	21	100	15
AGR/N4126.Carry out forage conservation	40	40	-	20	100	15
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	-	-	50	5
<b>Total</b>	<b>209</b>	<b>225</b>	<b>-</b>	<b>116</b>	<b>550</b>	<b>100</b>

## Qualification Pack

### Acronyms

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

## Qualification Pack

### Glossary

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

## Qualification Pack

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