

Qualification Pack



Goat/Sheep Farmer

Options: Sheep shearing

QP Code: AGR/Q4501

Version: 2.0

NSQF Level: 3

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

Qualification Pack

Contents

AGR/Q4501: Goat/Sheep Farmer	3
<i>Brief Job Description</i>	3
Applicable National Occupational Standards (NOS)	3
<i>Compulsory NOS</i>	3
<i>Option: Sheep shearing</i>	3
<i>Qualification Pack (QP) Parameters</i>	3
AGR/N4507: Establish and maintain the goat/sheep farm	5
AGR/N4508: Procure, rear and market goats/sheep	11
AGR/N4509: Carry out breeding of goats/sheep	19
AGR/N4510: Undertake milking of goats/sheep	25
AGR/N9922: Engage in collective farming/activity	30
AGR/N9903: Maintain health and safety at the workplace	36
DGT/VSQ/N0101: Employability Skills (30 Hours)	42
AGR/N4511: Undertake shearing of sheep	48
Assessment Guidelines and Weightage	52
<i>Assessment Guidelines</i>	52
<i>Assessment Weightage</i>	53
Acronyms	54
Glossary	55

Qualification Pack

AGR/Q4501: Goat/Sheep Farmer

Brief Job Description

A Goat/Sheep Farmer is responsible for establishing the goat/sheep farm, procuring and rearing goats/sheep, and managing their feeding and health. The individual also breeds goats/sheep and markets them and their produce.

Personal Attributes

The individual should be physically fit to work for long hours. The person should be able to make independent decisions and solve problems. The individual should have basic written and verbal communication skills and numerical ability.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [AGR/N4507: Establish and maintain the goat/sheep farm](#)
2. [AGR/N4508: Procure, rear and market goats/sheep](#)
3. [AGR/N4509: Carry out breeding of goats/sheep](#)
4. [AGR/N4510: Undertake milking of goats/sheep](#)
5. [AGR/N9922: Engage in collective farming/activity](#)
6. [AGR/N9903: Maintain health and safety at the workplace](#)
7. [DGT/VSQ/N0101: Employability Skills \(30 Hours\)](#)

Options(Not mandatory):

Option : Sheep shearing

Specialization in Sheep Shearing

1. [AGR/N4511: Undertake shearing of sheep](#)

Qualification Pack (QP) Parameters

Sector	Agriculture
---------------	-------------

Qualification Pack

Sub-Sector	Animal Husbandry
Occupation	Small Ruminants & Others
Country	India
NSQF Level	3
Credits	10
Aligned to NCO/ISCO/ISIC Code	NCO-2015/6121.0100
Minimum Educational Qualification & Experience	8th grade pass with 2 Years of experience in the relevant field OR 8th grade pass and pursuing continuous schooling in regular school with vocational subject OR 5th grade pass with 5 Years of experience in the relevant field OR Previous relevant Qualification of NSQF Level (2) with 1 Year of experience in the relevant field OR Previous relevant Qualification of NSQF Level (2.5) with 6 Months of experience in the relevant field
Minimum Level of Education for Training in School	8th Class
Pre-Requisite License or Training	NA
Minimum Job Entry Age	18 Years
Last Reviewed On	NA
Next Review Date	29/03/2026
NSQF Approval Date	29/03/2023
Version	2.0
Reference code on NQR	QG-03-AG-00375-2023-V1-ASCI
NQR Version	1

Qualification Pack

AGR/N4507: Establish and maintain the goat/sheep farm

Description

This OS unit is about establishing and maintaining the goat farm. It also covers growing appropriate crops to feed goats/sheeps.

Scope

The scope covers the following :

- Coordinate the construction of goat/sheep sheds
- Maintain the goat/sheep sheds
- Grow goat/sheep feed

Elements and Performance Criteria

Coordinate the construction of goat/sheep sheds

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

- PC1.** select a suitable area for rearing goats/sheep, ensuring adequate space for growing grass and plants for goats/sheep
- PC2.** arrange the required material, tools and equipment for the construction of goat/sheep sheds
- PC3.** select an appropriate area in the goat/sheep farm for the construction of appropriate types of sheds, e.g. general flock shed (ewe/doe shed), ram/buck shed, lambing/kidding shed, lamb/kid shed, etc.
- PC4.** coordinate with the relevant expert for the construction of sheds, ensuring adequate space, ventilation and protection from varied weather conditions
- PC5.** ensure the flooring in the sheds is suitable for goats/sheep
- PC6.** install the goat feeder at the recommended height for the convenient feeding of goats/sheep
- PC7.** ensure effective drainage arrangements to prevent waterlogging in the sheds

Maintain the goat/sheep sheds

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

- PC8.** check the goat/sheep sheds regularly to identify the repair and maintenance needs
- PC9.** carry out appropriate repair and maintenance or coordinate with an expert, as required
- PC10.** carry out fumigation in the goat/sheep sheds
- PC11.** remove animal waste from the sheds regularly and disinfect the sheds using the recommended disinfectants
- PC12.** perform regular cleaning of the goat/sheep feeder and water pans

Grow goat/sheep feed

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

- PC13.** select the appropriate legume, grass and tree fodder crops to be grown for goat/sheep feed, e.g. hedge lucerne, cowpea, fodder maize, neem, agathi, etc.
- PC14.** prepare the designated land through ploughing and levelling for the cultivation of the selected fodder crops on the goat/sheep farm

Qualification Pack

- PC15.** install an appropriate irrigation system for efficient irrigation and optimal use of water
- PC16.** irrigate the crop with the recommended quantity as per the irrigation schedule
- PC17.** apply the recommended organic and inorganic fertilizers to achieve a healthy growth of the fodder crop
- PC18.** follow the appropriate preventive measures to protect the crop from pest and disease infestation
- PC19.** identify pest and disease infestation in the crop and apply the recommended treatment to the crop
- PC20.** identify the maturity indices of the crops and harvest them using the appropriate tools and implements
- PC21.** carry out post-harvest processing of the harvested crops, e.g. threshing, as required
- PC22.** store the harvested crops safely and hygienically in the designated storage, maintaining the recommended temperature and humidity
- PC23.** check the stored crop regularly and take appropriate corrective measures to deal with quality-related issues

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the criteria for selecting a site for establishing a goat/sheep farm
- KU2.** various inputs required for goat/sheep farming
- KU3.** the material, tools and equipment required for the construction of goat/sheep sheds
- KU4.** the process of constructing goat/sheep sheds
- KU5.** the design and dimension specifications of goat/sheep shed
- KU6.** the shed temperature control techniques
- KU7.** the appropriate safeguards techniques for extreme weather conditions
- KU8.** the precautionary measures to be taken to avoid flooding and waterlogging in sheds
- KU9.** the importance of ensuring adequate space, ventilation and protection from varied weather conditions in goat/sheep sheds
- KU10.** the importance of ensuring appropriate flooring and effective drainage in goat/sheep sheds
- KU11.** the importance of installing feeders at an appropriate height for feeding goats/sheep
- KU12.** the importance of protecting goats from moisture
- KU13.** the common repair and maintenance needs in goat/sheep sheds
- KU14.** the importance and process of cleaning the goat/sheep sheds, feeders and water pans
- KU15.** the appropriate legume, grass and tree fodder crops to be grown for goat/sheep feed
- KU16.** the benefits of growing plants for goat/sheep feed on the same farm
- KU17.** crop type which is suitable for different climates and goat/sheep feed
- KU18.** the process of preparing the land for crop cultivation
- KU19.** the importance of following the irrigation schedule of the relevant crops
- KU20.** the effective use of different organic and inorganic fertilizers

Qualification Pack

- KU21.** the appropriate preventive measures to be followed to protect the crop from pest and disease infestation and the recommended treatment to treat pest and disease infestation
- KU22.** the maturity indices of the relevant crops
- KU23.** the process of harvesting the crops using the appropriate tools and implements
- KU24.** the post-harvest processing requirements for the relevant crops
- KU25.** the appropriate conditions required for storing the relevant crops
- KU26.** the importance of checking the stored crop regularly and taking appropriate corrective measures to deal with the identified quality-related issues

Generic Skills (GS)

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

- GS1.** maintain work-related notes and records
- GS2.** read the relevant literature to get the latest updates about the field of work
- GS3.** listen attentively to understand the information being shared
- GS4.** communicate politely and professionally
- GS5.** plan and prioritize tasks to ensure timely completion
- GS6.** take quick decisions to deal with workplace emergencies/ accidents
- GS7.** identify possible disruptions to work and take appropriate preventive measures

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Coordinate the construction of goat/sheep sheds</i>	9	11	-	9
PC1. select a suitable area for rearing goats/sheep, ensuring adequate space for growing grass and plants for goats/sheep	-	-	-	-
PC2. arrange the required material, tools and equipment for the construction of goat/sheep sheds	-	-	-	-
PC3. select an appropriate area in the goat/sheep farm for the construction of appropriate types of sheds, e.g. general flock shed (ewe/doe shed), ram/buck shed, lambing/kidding shed, lamb/kid shed, etc.	-	-	-	-
PC4. coordinate with the relevant expert for the construction of sheds, ensuring adequate space, ventilation and protection from varied weather conditions	-	-	-	-
PC5. ensure the flooring in the sheds is suitable for goats/sheep	-	-	-	-
PC6. install the goat feeder at the recommended height for the convenient feeding of goats/sheep	-	-	-	-
PC7. ensure effective drainage arrangements to prevent waterlogging in the sheds	-	-	-	-
<i>Maintain the goat/sheep sheds</i>	7	10	-	7
PC8. check the goat/sheep sheds regularly to identify the repair and maintenance needs	-	-	-	-
PC9. carry out appropriate repair and maintenance or coordinate with an expert, as required	-	-	-	-
PC10. carry out fumigation in the goat/sheep sheds	-	-	-	-
PC11. remove animal waste from the sheds regularly and disinfect the sheds using the recommended disinfectants	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. perform regular cleaning of the goat/sheep feeder and water pans	-	-	-	-
<i>Grow goat/sheep feed</i>	14	19	-	14
PC13. select the appropriate legume, grass and tree fodder crops to be grown for goat/sheep feed, e.g. hedge lucerne, cowpea, fodder maize, neem, agathi, etc.	-	-	-	-
PC14. prepare the designated land through ploughing and levelling for the cultivation of the selected fodder crops on the goat/sheep farm	-	-	-	-
PC15. install an appropriate irrigation system for efficient irrigation and optimal use of water	-	-	-	-
PC16. irrigate the crop with the recommended quantity as per the irrigation schedule	-	-	-	-
PC17. apply the recommended organic and inorganic fertilizers to achieve a healthy growth of the fodder crop	-	-	-	-
PC18. follow the appropriate preventive measures to protect the crop from pest and disease infestation	-	-	-	-
PC19. identify pest and disease infestation in the crop and apply the recommended treatment to the crop	-	-	-	-
PC20. identify the maturity indices of the crops and harvest them using the appropriate tools and implements	-	-	-	-
PC21. carry out post-harvest processing of the harvested crops, e.g. threshing, as required	-	-	-	-
PC22. store the harvested crops safely and hygienically in the designated storage, maintaining the recommended temperature and humidity	-	-	-	-
PC23. check the stored crop regularly and take appropriate corrective measures to deal with quality-related issues	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4507
NOS Name	Establish and maintain the goat/sheep farm
Sector	Agriculture
Sub-Sector	Animal Husbandry
Occupation	Small Ruminants and Others
NSQF Level	3
Credits	2
Version	2.0
Last Reviewed Date	NA
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

Qualification Pack

AGR/N4508: Procure, rear and market goats/sheep

Description

This OS unit is about procuring, rearing and marketing goats/sheep, including their feed and health management.

Scope

The scope covers the following :

- Procure goats/sheep
- Feed the goats/sheep
- Maintain the health of goats/sheep
- Market goats/sheep and their produce

Elements and Performance Criteria

Procure goats/sheep

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

- PC1.** select the appropriate goat/sheep breeds for rearing based on their adaptability to the prevailing climatic conditions, the purpose of rearing and the relevant feeding management system
- PC2.** procure young goats/sheep of the selected breeds in the required number from a reliable breeder, ensuring they are pure-bred with high genetic merit
- PC3.** check the goats/sheep being procured are vaccinated for the Peste des Petits Ruminants (PPR) plague
- PC4.** tag the procured goats/ sheep for their identification

Feed the goats/sheep

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

- PC5.** use the recommended ingredients, e.g. green leguminous roughage and grasses/tender tree leaves, in the goat/sheep feed to ensure their nutrient requirements are met
- PC6.** supplement the sheep feed with the recommended quantity of sulphur to improve wool and meat production
- PC7.** determine and follow the recommended feed requirements for the fattening of goats/ sheep for meat production
- PC8.** feed colostrum to newborn kids/lambs as per the recommendation
- PC9.** monitor the kids/lamb for correct suckling and feeding
- PC10.** follow the appropriate colostrum and creep feeding schedule for kids/lambs
- PC11.** follow the recommended practices to induce optimum lactation in female goats/sheep
- PC12.** feed supplement concentrate ration in pellet or mesh form to goats/sheep as per the requirement, ensuring it has an appropriate quantity of nutrients
- PC13.** follow the semi-intensive feed management system to achieve better goat/sheep production
- PC14.** water the goats/sheep according to their age and water requirements

Maintain the health of goats/sheep

Qualification Pack

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

- PC15.** follow the recommended preventive measures to protect goats/sheep from diseases and disorders, e.g. regular cleaning of goats/sheep and maintaining dry sheds
- PC16.** maintain the stock of necessary vaccines and first aid kit for goats/sheep through consultation with the veterinarian
- PC17.** ensure appropriate vaccinations for goats/sheep at the appropriate stages of their growth
- PC18.** carry out deworming in goats/sheep by administering them the recommended anthelmintic drug in an appropriate dose
- PC19.** carry out drenching in goats/sheep using the recommended coccidiosis drug at an appropriate age to prevent coccidiosis infestation
- PC20.** carry out dipping in goats/sheep in the appropriate weather to prevent the ectoparasite infestation
- PC21.** practice drug rotation to prevent drug resistance in goats/sheep
- PC22.** identify and segregate goats/sheep to be dehorned
- PC23.** carry out dehorning of the identified goats/sheep following the appropriate procedure
- PC24.** perform hoof trimming for goats/sheep using the appropriate tools and equipment
- PC25.** identify the symptoms of diseases and disorders in goats/sheep, such as reduced feed intake, abnormal discharge, abnormal behaviour, etc.
- PC26.** treat the common diseases and disorders by administering the appropriate treatment to goats/sheep and coordinate with a veterinarian to treat serious diseases and disorders
- PC27.** maintain the kids/lambs and sick goats/sheep in separate sheds to provide them with the necessary care
- PC28.** identify and cull the poor-performing and aged goats/sheep to maintain high productivity at the goat/sheep farm
- PC29.** maintain the appropriate records concerning the identification and treatment of diseases and disorders in goats/sheep

Market goats/sheep and their produce

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

- PC30.** harvest the goat/sheep produce, e.g. milk, wool and hide
- PC31.** select mature and healthy goats/sheep for marketing
- PC32.** identify the appropriate buyers for goats/sheep and their produce and negotiate with them to secure a profitable price
- PC33.** arrange an appropriate mode of transport to deliver goats/sheep and their produce to the buyers
- PC34.** process the payments using an appropriate payment method, including the e-payment method
- PC35.** maintain the manual and/or electronic records concerning the marketing activities

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

Qualification Pack

- KU1.** different breeds of goats/sheep suitable for goat farming, e.g. goats (Beetal, Barbari, Chegu, Jamunapari, Kathiyawari, Osmanabadi, Tellicherry Sirohi) and sheep (Bellary, Changthangi, Deccani, Gaddi, Nilgiri), etc.
- KU2.** the classification of goats/sheep breeds, i.e. exotic, local and cross breed
- KU3.** the basic anatomy and physiology of goats/sheep
- KU4.** the importance of selecting the appropriate goat/sheep breeds for rearing based on their adaptability to the prevailing climatic conditions, the purpose of rearing and the relevant feeding management system
- KU5.** various good animal husbandry practices
- KU6.** the importance of procuring pure-bred young goats/sheep with high genetic merit from a reliable breeder
- KU7.** the importance of checking the goats/sheep being procured for PPR vaccination
- KU8.** the recommended goat/sheep feed ingredients, e.g. green leguminous roughage and grasses/tender tree leaves
- KU9.** the benefit of supplementing the sheep feed with sulphur
- KU10.** the importance of feeding colostrum to newborn kids/lambs and monitoring them for correct suckling and feeding
- KU11.** how to induce optimum lactation in female goats/sheep
- KU12.** the requirement and benefit of feeding concentrate ration to goats/sheep in pellet or mesh form
- KU13.** the benefits of the semi-intensive feed management system
- KU14.** the nutrients and water requirements of kids/lambs and adults goats/sheep
- KU15.** the recommended preventive measures to be followed to protect goats/sheep from diseases and disorders
- KU16.** the importance of maintaining the stock of necessary vaccines and first aid kit for goats/sheep
- KU17.** the importance of ensuring appropriate vaccinations for goats/sheep at the appropriate stages of their growth
- KU18.** the process of carrying out deworming, drenching and dipping in goats/sheep and the recommended drugs to be administered for the purpose
- KU19.** the importance of practicing drug rotation in goats/sheep
- KU20.** how to carry out dehorning and hoof trimming in goats/sheep and the use of appropriate tools and equipment
- KU21.** the symptoms of relevant diseases and disorders in goats/sheep and how to treat them
- KU22.** the importance of maintaining the kids/lambs and sick goats/sheep in separate sheds
- KU23.** the process of harvesting the goat/sheep produce, e.g. milk, meat, wool, and hide
- KU24.** different payment methods
- KU25.** how to maintain manual and electronic records

Generic Skills (GS)

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

- GS1.** maintain work-related notes and records

Qualification Pack

- GS2.** communicate politely and professionally
- GS3.** read the relevant literature to learn about the latest developments in the field of work
- GS4.** perform work-related calculations
- GS5.** listen attentively to understand the information/ instructions being shared
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** coordinate with the co-workers to achieve the work objectives
- GS8.** evaluate all possible solutions to a problem to select the best one
- GS9.** identify possible disruptions to work and take appropriate preventive measures

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Procure goats/sheep</i>	4	5	-	4
PC1. select the appropriate goat/sheep breeds for rearing based on their adaptability to the prevailing climatic conditions, the purpose of rearing and the relevant feeding management system	-	-	-	-
PC2. procure young goats/sheep of the selected breeds in the required number from a reliable breeder, ensuring they are pure-bred with high genetic merit	-	-	-	-
PC3. check the goats/sheep being procured are vaccinated for the Peste des Petits Ruminants (PPR) plague	-	-	-	-
PC4. tag the procured goats/ sheep for their identification	-	-	-	-
<i>Feed the goats/sheep</i>	10	13	-	10
PC5. use the recommended ingredients, e.g. green leguminous roughage and grasses/tender tree leaves, in the goat/sheep feed to ensure their nutrient requirements are met	-	-	-	-
PC6. supplement the sheep feed with the recommended quantity of sulphur to improve wool and meat production	-	-	-	-
PC7. determine and follow the recommended feed requirements for the fattening of goats/ sheep for meat production	-	-	-	-
PC8. feed colostrum to newborn kids/lambs as per the recommendation	-	-	-	-
PC9. monitor the kids/lamb for correct suckling and feeding	-	-	-	-
PC10. follow the appropriate colostrum and creep feeding schedule for kids/lambs	-	-	-	-
PC11. follow the recommended practices to induce optimum lactation in female goats/sheep	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. feed supplement concentrate ration in pellet or mesh form to goats/sheep as per the requirement, ensuring it has an appropriate quantity of nutrients	-	-	-	-
PC13. follow the semi-intensive feed management system to achieve better goat/sheep production	-	-	-	-
PC14. water the goats/sheep according to their age and water requirements	-	-	-	-
<i>Maintain the health of goats/sheep</i>	11	16	-	11
PC15. follow the recommended preventive measures to protect goats/sheep from diseases and disorders, e.g. regular cleaning of goats/sheep and maintaining dry sheds	-	-	-	-
PC16. maintain the stock of necessary vaccines and first aid kit for goats/sheep through consultation with the veterinarian	-	-	-	-
PC17. ensure appropriate vaccinations for goats/sheep at the appropriate stages of their growth	-	-	-	-
PC18. carry out deworming in goats/sheep by administering them the recommended anthelmintic drug in an appropriate dose	-	-	-	-
PC19. carry out drenching in goats/sheep using the recommended coccidiosis drug at an appropriate age to prevent coccidiosis infestation	-	-	-	-
PC20. carry out dipping in goats/sheep in the appropriate weather to prevent the ectoparasite infestation	-	-	-	-
PC21. practice drug rotation to prevent drug resistance in goats/sheep	-	-	-	-
PC22. identify and segregate goats/sheep to be dehorned	-	-	-	-
PC23. carry out dehorning of the identified goats/sheep following the appropriate procedure	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC24. perform hoof trimming for goats/sheep using the appropriate tools and equipment	-	-	-	-
PC25. identify the symptoms of diseases and disorders in goats/sheep, such as reduced feed intake, abnormal discharge, abnormal behaviour, etc.	-	-	-	-
PC26. treat the common diseases and disorders by administering the appropriate treatment to goats/sheep and coordinate with a veterinarian to treat serious diseases and disorders	-	-	-	-
PC27. maintain the kids/lambs and sick goats/sheep in separate sheds to provide them with the necessary care	-	-	-	-
PC28. identify and cull the poor-performing and aged goats/sheep to maintain high productivity at the goat/sheep farm	-	-	-	-
PC29. maintain the appropriate records concerning the identification and treatment of diseases and disorders in goats/sheep	-	-	-	-
<i>Market goats/sheep and their produce</i>	5	6	-	5
PC30. harvest the goat/sheep produce, e.g. milk, wool and hide	-	-	-	-
PC31. select mature and healthy goats/sheep for marketing	-	-	-	-
PC32. identify the appropriate buyers for goats/sheep and their produce and negotiate with them to secure a profitable price	-	-	-	-
PC33. arrange an appropriate mode of transport to deliver goats/sheep and their produce to the buyers	-	-	-	-
PC34. process the payments using an appropriate payment method, including the e-payment method	-	-	-	-
PC35. maintain the manual and/or electronic records concerning the marketing activities	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4508
NOS Name	Procure, rear and market goats/sheep
Sector	Agriculture
Sub-Sector	Animal Husbandry
Occupation	Small Ruminants and Others
NSQF Level	3
Credits	1
Version	2.0
Last Reviewed Date	NA
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

Qualification Pack

AGR/N4509: Carry out breeding of goats/sheep

Description

This OS unit is about breeding goats/sheep, which includes making appropriate preparations, the relevant breeding activities and appropriate care for the female goats (does)/female sheep (ewes) and kids/lambs.

Scope

The scope covers the following :

- Prepare for goat/sheep breeding
- Carry out goat/sheep breeding
- Maintain the does/ewes and kids/lambs

Elements and Performance Criteria

Prepare for goat/sheep breeding

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

- PC1.** select the appropriate goat/sheep breeds for breeding based on the relevant factors, e.g. growth rate, efficiency of weight gain, litter size, etc.
- PC2.** select healthy bucks/rams and does/ewes of the recommended age for breeding
- PC3.** carry out flushing before the breeding season to prepare the does/ewes for breeding
- PC4.** follow the recommended practices to prevent over-fattening in does/ewes
- PC5.** plan mating of goats/sheep during the recommended weather to ensure the birth of kids/lambs at an appropriate time for their survival

Carry out goat/sheep breeding

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

- PC6.** feed the pregnant does/ewes with the recommended diet, containing the appropriate nutrients to ensure improved milk production and healthy birth weight for kids/lambs
- PC7.** ensure appropriate care for does/ewes during the advanced stages of their pregnancy, e.g. comfortable bedding and protection from adverse weather
- PC8.** arrange the required tools, equipment and materials for breeding
- PC9.** prepare the tools and equipment, carrying their regular maintenance
- PC10.** identify appropriate pens and prepare them for breeding
- PC11.** follow the recommended mating method for the breeding of goats/sheep, e.g. hand mating, pen mating and flock mating
- PC12.** follow the recommended practices during breeding to achieve the recommended level of genetic variation and survival of kids/lambs
- PC13.** mark the bred does/ewes for identification, following the appropriate marking method
- PC14.** assist the veterinarian in the delivery of kids/lambs

Maintain the does/ewes and kids/lambs

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

Qualification Pack

- PC15.** maintain the does/ewes and newborn kids/lambs in hygienic conditions under the appropriate temperature and humidity
- PC16.** monitor the does/ewes and newborn kids/lambs regularly for diseases, disorders, parasitic infestation, injuries and abnormal behaviour
- PC17.** treat the does/ewes and newborn kids/lambs, as appropriate, or coordinate with a veterinarian for their treatment
- PC18.** maintain the appropriate records as per the applicable regulations
- PC19.** segregate the weaned male kids/lambs of the recommended age for fattening, ensuring they are healthy and disease-free

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the basics of goat/sheep reproduction
- KU2.** the relevant factors to be considered while selecting appropriate goat/sheep breeds for breeding, e.g. growth rate, efficiency of weight gain, litter size, etc.
- KU3.** the importance of selecting healthy bucks/rams and does/ewes of the recommended age for breeding
- KU4.** the importance and process of flushing in goats/ewes
- KU5.** the importance of planning the mating of goats/ewes during the recommended weather
- KU6.** the recommended diet to feed the pregnant does/ewes
- KU7.** the appropriate care to be provided to does/ewes during the advanced stages of their pregnancy
- KU8.** the use of appropriate tools, equipment and materials for breeding
- KU9.** how to prepare pens for breeding
- KU10.** different mating methods for the breeding of goats/sheep, e.g. hand mating, pen mating and flock mating
- KU11.** the cross-breeding techniques for exotic and indigenous breeds
- KU12.** the recommended practices to be followed during breeding to achieve the recommended level of genetic variation and survival of goat kids/lambs
- KU13.** the process of delivering kids/lambs
- KU14.** the use of relevant PPE for the delivery and maintenance of goats/sheep
- KU15.** the appropriate conditions required to be maintained for does/ewes and newborn kids/lambs
- KU16.** the importance of monitoring the does/ewes and newborn kids/lambs regularly for diseases, disorders, parasitic infestation, injuries and abnormal behaviour
- KU17.** the appropriate treatment to be provided to does/ewes and newborn kids/lambs for common diseases and disorders

Generic Skills (GS)

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

- GS1.** read the relevant literature to learn about the latest developments in the field of work

Qualification Pack

- GS2.** listen attentively to understand the information/ instructions being shared
- GS3.** maintain work-related notes and records
- GS4.** communicate politely and professionally
- GS5.** plan and prioritize tasks to ensure timely completion
- GS6.** coordinate with the co-workers to achieve the work objectives
- 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>Prepare for goat/sheep breeding</i>	8	12	-	6
PC1. select the appropriate goat/sheep breeds for breeding based on the relevant factors, e.g. growth rate, efficiency of weight gain, litter size, etc.	-	-	-	-
PC2. select healthy bucks/rams and does/ewes of the recommended age for breeding	-	-	-	-
PC3. carry out flushing before the breeding season to prepare the does/ewes for breeding	-	-	-	-
PC4. follow the recommended practices to prevent over-fattening in does/ewes	-	-	-	-
PC5. plan mating of goats/sheep during the recommended weather to ensure the birth of kids/lambs at an appropriate time for their survival	-	-	-	-
<i>Carry out goat/sheep breeding</i>	14	16	-	18
PC6. feed the pregnant does/ewes with the recommended diet, containing the appropriate nutrients to ensure improved milk production and healthy birth weight for kids/lambs	-	-	-	-
PC7. ensure appropriate care for does/ewes during the advanced stages of their pregnancy, e.g. comfortable bedding and protection from adverse weather	-	-	-	-
PC8. arrange the required tools, equipment and materials for breeding	-	-	-	-
PC9. prepare the tools and equipment, carrying their regular maintenance	-	-	-	-
PC10. identify appropriate pens and prepare them for breeding	-	-	-	-
PC11. follow the recommended mating method for the breeding of goats/sheep, e.g. hand mating, pen mating and flock mating	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC12. follow the recommended practices during breeding to achieve the recommended level of genetic variation and survival of kids/lambs	-	-	-	-
PC13. mark the bred does/ewes for identification, following the appropriate marking method	-	-	-	-
PC14. assist the veterinarian in the delivery of kids/lambs	-	-	-	-
<i>Maintain the does/ewes and kids/lambs</i>	8	12	-	6
PC15. maintain the does/ewes and newborn kids/lambs in hygienic conditions under the appropriate temperature and humidity	-	-	-	-
PC16. monitor the does/ewes and newborn kids/lambs regularly for diseases, disorders, parasitic infestation, injuries and abnormal behaviour	-	-	-	-
PC17. treat the does/ewes and newborn kids/lambs, as appropriate, or coordinate with a veterinarian for their treatment	-	-	-	-
PC18. maintain the appropriate records as per the applicable regulations	-	-	-	-
PC19. segregate the weaned male kids/lambs of the recommended age for fattening, ensuring they are healthy and disease-free	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4509
NOS Name	Carry out breeding of goats/sheep
Sector	Agriculture
Sub-Sector	Animal Husbandry
Occupation	Small Ruminants and Others
NSQF Level	3
Credits	2
Version	2.0
Last Reviewed Date	NA
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

Qualification Pack

AGR/N4510: Undertake milking of goats/sheep

Description

This OS unit is about milking goats/sheep, taking the appropriate health and safety measures.

Scope

The scope covers the following :

- Select goats/sheep for milking
- Prepare to milk goats/sheep
- Milk the goats/sheep

Elements and Performance Criteria

Select goats/sheep for milking

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

- PC1.** identify lactating goats/sheep for milking whose kids have attained the appropriate age and weaned
- PC2.** determine the goats/sheep have entered the freshening stage of their milk cycle
- PC3.** ensure the goats/sheep are in good health, free from any diseases

Prepare to milk goats/sheep

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

- PC4.** ensure the availability of a milking stand for milking goats/sheep
- PC5.** check the goat/sheep's udders before milking to ensure there are no signs of tearing, chafing, swelling, and infection in them
- PC6.** wash the goat/sheep's udders appropriately to remove any dirt, debris, mud and faeces
- PC7.** follow appropriate measures to disinfect the udders before milking, such as dipping them in iodine

Milk the goats/sheep

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

- PC8.** follow the appropriate measures to keep the goats/sheep calm while leading them to the milking stand and milking them
- PC9.** strip the udders, collecting milk streams in a strip cup to remove milk with clots, debris, bacteria, etc.
- PC10.** use separate disposable gloves for each goat/sheep during milking to minimize the possibility of transmission of bacteria
- PC11.** follow the appropriate measures to prevent discomfort and injury to goats/sheep during milking, e.g. applying appropriate and even pressure on udders
- PC12.** clean the udders after milking and apply the appropriate treatment to them, e.g. olive or coconut oil, to moisturize and protect them from chaffing

Knowledge and Understanding (KU)

Qualification Pack

The individual on the job needs to know and understand:

- KU1.** the criteria for selecting goats/sheep for milking
- KU2.** the importance of using a milking stand and appropriate PPE for milking goats/sheep
- KU3.** the appropriate checks to be performed before milking goats/sheep
- KU4.** the importance of washing and disinfecting the udders of goats/sheep before milking
- KU5.** how to keep goats/sheep calm while leading them to the milking stand and milking them
- KU6.** the process of milking goats/sheep and the appropriate measures to be taken to prevent discomfort and injury to goats/sheep
- KU7.** the importance of using the appropriate PPE to minimize the possibility of transmission of bacteria from one goat/sheep to another
- KU8.** the appropriate care to be provided to goats/sheep after milking

Generic Skills (GS)

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

- GS1.** maintain work-related notes and records
- GS2.** communicate politely and professionally
- GS3.** read the relevant literature to learn about the latest developments in the field of work
- GS4.** listen attentively to understand the information/ instructions being shared
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** identify potential disruptions to work and take appropriate preventive measures
- GS8.** 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>Select goats/sheep for milking</i>	8	11	-	8
PC1. identify lactating goats/sheep for milking whose kids have attained the appropriate age and weaned	-	-	-	-
PC2. determine the goats/sheep have entered the freshening stage of their milk cycle	-	-	-	-
PC3. ensure the goats/sheep are in good health, free from any diseases	-	-	-	-
<i>Prepare to milk goats/sheep</i>	10	13	-	10
PC4. ensure the availability of a milking stand for milking goats/sheep	-	-	-	-
PC5. check the goat/sheep's udders before milking to ensure there are no signs of tearing, chafing, swelling, and infection in them	-	-	-	-
PC6. wash the goat/sheep's udders appropriately to remove any dirt, debris, mud and faeces	-	-	-	-
PC7. follow appropriate measures to disinfect the udders before milking, such as dipping them in iodine	-	-	-	-
<i>Milk the goats/sheep</i>	12	16	-	12
PC8. follow the appropriate measures to keep the goats/sheep calm while leading them to the milking stand and milking them	-	-	-	-
PC9. strip the udders, collecting milk streams in a strip cup to remove milk with clots, debris, bacteria, etc.	-	-	-	-
PC10. use separate disposable gloves for each goat/sheep during milking to minimize the possibility of transmission of bacteria	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. follow the appropriate measures to prevent discomfort and injury to goats/sheep during milking, e.g. applying appropriate and even pressure on udders	-	-	-	-
PC12. clean the udders after milking and apply the appropriate treatment to them, e.g. olive or coconut oil, to moisturize and protect them from chaffing	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4510
NOS Name	Undertake milking of goats/sheep
Sector	Agriculture
Sub-Sector	Animal Husbandry
Occupation	Small Ruminants and Others
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	NA
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

Qualification Pack

AGR/N9922: Engage in collective farming/activity

Description

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

Scope

The scope covers the following :

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

Elements and Performance Criteria

Create PGs/ FIGs/ SHGs

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

- PC1.** identify farmers/ groups with the common interests in the area
- PC2.** create Producer Groups (PGs)/Farmers Interest Groups (FIGs)/ Self-Help Groups (SHGs), following the applicable rules and regulations

Prepare for the PG/ FIG/ SHG operations

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

- PC3.** organise fundraising activities to support the functioning of the group
- PC4.** establish links with the local government at panchayat level to obtain access to the relevant development programmes and funds
- PC5.** induct subject matter experts (SMEs) in the group
- PC6.** assist in arranging the required Information and Communication Technology (ICT) products for the group
- PC7.** plan the commodity convergence with the relevant developmental programmes
- PC8.** plan optimal production to meet the market and household food security needs

Conduct group meetings and training sessions

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

- PC9.** conduct the initial group meetings to introduce the members, discuss the group objectives, group income-generating enterprises/ activities, methods of operation, etc.
- PC10.** assist in exchanging the domain and technical knowledge such as market or price information, latest technology, and resolving common issues or conflicts through the PG/ FIG/ SHG meetings
- PC11.** organise capacity building exercises such as skill development and training programmes

Carry out collective farming/ activities

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

Qualification Pack

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

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the process of preparing for the PG/ FIG/ SHG operations such as fundraising, induction of SMEs, investing in ICT products, etc.
- KU2.** how to establish links with the local government at the panchayat level to obtain access to the relevant development programmes and funds
- KU3.** the process of commodity convergence with the relevant developmental programmes
- KU4.** the importance of planning optimal production to meet the market and household food security needs
- KU5.** the importance of setting the group objectives and deciding the group income-generating enterprises/ activities, methods of operation, benefits, etc.
- KU6.** the importance of organising the PG/FIG/ SHG meetings and training sessions to resolve common concerns and get information about the latest developments in the field of work
- KU7.** the benefits of various capacity building exercises such as skill development and training programmes
- KU8.** the importance and process of conducting field trials to identify and resolve problems encountered by farmers in the field operations
- KU9.** the concept of group-owned bank to provide quality seeds, fertilisers, pesticides, tools and equipment to the member farmers
- KU10.** the process of using the group's credit facility
- KU11.** core collective farming activities such as procuring inputs in bulk, large-scale farming, packing, transportation and marketing of the produce, etc.
- KU12.** the concept and benefits of forming forward and backward linkages

Qualification Pack

KU13. relevant value addition practices such as processing, packing, upgrading the quality, etc.

KU14. the benefits of connecting with similar groups to address common problems at a large scale

Generic Skills (GS)

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

GS1. write relevant notes and reports

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

GS3. communicate politely and professionally

GS4. listen attentively to understand the information being shared

GS5. plan tasks for effective use of time

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

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

Qualification Pack

Assessment Criteria

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

Qualification Pack

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

Qualification Pack

National Occupational Standards (NOS) Parameters

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

Qualification Pack

AGR/N9903: Maintain health and safety at the workplace

Description

This OS is about maintaining health and safety of self and other co-workers at the workplace

Scope

The scope covers the following :

- Maintain personal hygiene
- Maintain clean and safe workplace
- Administer appropriate emergency procedures

Elements and Performance Criteria

Maintain personal hygiene

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

- PC1.** wash hands, legs and face with soap/alcohol based sanitizer at reasonable intervals
- PC2.** wash the worn clothes with soap and sun dry before use next time
- PC3.** ensure the face is covered with mask or three layers of cloth-piece
- PC4.** follow the workplace sanitization norms including distancing from sick people

Maintain clean and safe workplace

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

- PC5.** carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor
- PC6.** wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy
- PC7.** follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards
- PC8.** assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices
- PC9.** sanitize equipment, tools and machinery before and after use
- PC10.** use equipment and materials safely and correctly and return the same to designated storage after use
- PC11.** dispose waste safely and correctly in the designated area
- PC12.** recognize risks to bystanders and take required action to reduce the risks
- PC13.** work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed
- PC14.** report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger
- PC15.** follow government / workplace advisories incase of outbreak of any disease/disaster

Administer appropriate emergency procedures

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

Qualification Pack

- PC16.** follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements
- PC17.** use emergency equipment in accordance with manufacturer's specifications and workplace requirements
- PC18.** provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques
- PC19.** recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate
- PC20.** report details of first aid administered in accordance with workplace procedures

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant legislation, standards, policies, and procedures at work
- KU2.** relevant health and safety requirements applicable to the work environment
- KU3.** own job role and responsibilities and sources of 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 and the impact of not following the standards on consumers and the business
- KU6.** personal hygiene and fitness requirement
- KU7.** importance of sanitization of the workplace
- KU8.** types of Personal Protective Equipment (PPE) required at the workplace and their importance
- KU9.** the correct and safe way to use materials and equipment required for the work
- KU10.** the importance of good housekeeping at the workplace
- KU11.** safe waste disposal methods
- KU12.** methods for minimizing environmental damage during work
- KU13.** the risks to health and safety including contagious diseases and the measures to be taken to control those risks in the area of work
- KU14.** workplace procedures and requirements for the prevention and treatment of workplace injuries/illnesses.
- KU15.** basic emergency first aid procedure
- KU16.** local emergency services
- KU17.** why accidents, incidents and problems should be reported and the appropriate actions to be taken

Generic Skills (GS)

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

- GS1.** record the data as per the requirement
- GS2.** report problems to the appropriate personnel in a timely manner

Qualification Pack

- GS3.** read instruction manual for hand tool and equipments
- GS4.** communicate clearly and effectively with co-workers, and other stakeholders
- GS5.** comprehend information shared by senior people and experts
- GS6.** make decisions pertaining to personal hygiene and safety
- GS7.** schedule daily activities and draw up priorities
- GS8.** manage relationships with co-workers, manager and other stakeholders
- GS9.** assess situation and identify appropriate control measures

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Maintain personal hygiene</i>	10	5	-	10
PC1. wash hands, legs and face with soap/alcohol based sanitizer at reasonable intervals	-	-	-	-
PC2. wash the worn clothes with soap and sun dry before use next time	-	-	-	-
PC3. ensure the face is covered with mask or three layers of cloth-piece	-	-	-	-
PC4. follow the workplace sanitization norms including distancing from sick people	-	-	-	-
<i>Maintain clean and safe workplace</i>	15	15	-	15
PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
PC6. wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards	-	-	-	-
PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
PC9. sanitize equipment, tools and machinery before and after use	-	-	-	-
PC10. use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
PC11. dispose waste safely and correctly in the designated area	-	-	-	-
PC12. recognize risks to bystanders and take required action to reduce the risks	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC13. work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
PC14. report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger	-	-	-	-
PC15. follow government / workplace advisories incase of outbreak of any disease/disaster	-	-	-	-
<i>Administer appropriate emergency procedures</i>	15	5	-	10
PC16. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements	-	-	-	-
PC17. use emergency equipment in accordance with manufacturer's specifications and workplace requirements	-	-	-	-
PC18. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques	-	-	-	-
PC19. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	-	-	-
PC20. report details of first aid administered in accordance with workplace procedures	-	-	-	-
NOS Total	40	25	-	35

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N9903
NOS Name	Maintain health and safety at the workplace
Sector	Agriculture
Sub-Sector	Generic
Occupation	Generic
NSQF Level	4
Credits	1
Version	4.0
Last Reviewed Date	NA
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

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 sanitation 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>	1	1	-	-
PC1. understand the significance of employability skills in meeting the job requirements	-	-	-	-
<i>Constitutional values - Citizenship</i>	1	1	-	-
PC2. identify constitutional values, civic rights, duties, personal values and ethics and environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
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.	-	-	-	-
<i>Basic English Skills</i>	2	3	-	-
PC4. speak with others using some basic English phrases or sentences	-	-	-	-
<i>Communication Skills</i>	1	1	-	-
PC5. follow good manners while communicating with others	-	-	-	-
PC6. work with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC7. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC8. report any issues related to sexual harassment	-	-	-	-
<i>Financial and Legal Literacy</i>	3	4	-	-
PC9. use various financial products and services safely and securely	-	-	-	-

Qualification Pack

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

Qualification Pack

National Occupational Standards (NOS) Parameters

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

Qualification Pack

AGR/N4511: Undertake shearing of sheep

Description

This OS unit is about shearing sheep, taking the appropriate health and safety measures.

Scope

The scope covers the following :

- Prepare to shear sheep
- Shear the sheep

Elements and Performance Criteria

Prepare to shear sheep

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

- PC1.** select healthy sheep with appropriate fleece growth for shearing
- PC2.** use the approved scourable marking crayons or colour sprays to mark the sheep before shearing
- PC3.** follow the recommended measures to protect the fleece from flies, maggots and other pests, avoiding the use of insecticides before shearing
- PC4.** undertake dipping for sheep in medicated water to cure or prevent ectoparasites, sheep scab, mange, and remove leaves, dirt, hayseeds, suint, etc., from the fleece
- PC5.** arrange the required tool or implement for shearing wool, i.e. shearing scissors/ blade or shearing machine
- PC6.** select the recommended month for shearing sheep to prevent any adverse impact on them and for their optimum growth before the next shearing

Shear the sheep

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

- PC7.** maintain sheep in an appropriate and comfortable position to prevent their struggling during shearing
- PC8.** shear the sheep appropriately to maintain the quality of fleece being obtained
- PC9.** follow the appropriate measures to prevent stress and injury to sheep during shearing
- PC10.** collect and maintain the low-quality wool, e.g. belly and leg wool, separately
- PC11.** follow the recommended measures to protect the freshly obtained fleece from contamination
- PC12.** apply the louse and fly strike prevention treatment to the sheep after shearing
- PC13.** maintain the shorn sheep under the recommended temperature, protecting them from cold winds

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the criteria for selecting sheep for shearing

Qualification Pack

- KU2.** the appropriate measures to be taken before shearing to maintain the quality of fleece
- KU3.** the process of dipping sheep in medicated water before shearing to cure or prevent the relevant diseases and clean the fleece
- KU4.** the appropriate tools and implements required for shearing sheep
- KU5.** the recommended months for shearing sheep
- KU6.** the importance of maintaining sheep in an appropriate and comfortable position to prevent its struggling during shearing
- KU7.** the process of shearing the sheep appropriately to maintain the quality of fleece being obtained
- KU8.** the appropriate measures to be followed to prevent stress and injury to sheep during shearing
- KU9.** the importance of maintaining the low-quality wool separately
- KU10.** how to protect the freshly obtained fleece from contamination
- KU11.** the importance of applying the louse and fly strike prevention treatment to the sheep after shearing
- KU12.** the importance of maintaining the shorn sheep under the recommended temperature and protecting them from cold winds

Generic Skills (GS)

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

- GS1.** maintain work-related notes and records
- GS2.** communicate politely and professionally
- GS3.** read the relevant literature to learn about the latest developments in the field of work
- GS4.** listen attentively to understand the information/ instructions being shared
- GS5.** coordinate with the co-workers to achieve the work objectives
- GS6.** plan and prioritize tasks to ensure timely completion
- GS7.** evaluate all possible solutions to a problem to select the best one
- GS8.** take quick decisions to deal with workplace emergencies

Qualification Pack

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
<i>Prepare to shear sheep</i>	15	20	-	15
PC1. select healthy sheep with appropriate fleece growth for shearing	-	-	-	-
PC2. use the approved scourable marking crayons or colour sprays to mark the sheep before shearing	-	-	-	-
PC3. follow the recommended measures to protect the fleece from flies, maggots and other pests, avoiding the use of insecticides before shearing	-	-	-	-
PC4. undertake dipping for sheep in medicated water to cure or prevent ectoparasites, sheep scab, mange, and remove leaves, dirt, hayseeds, suint, etc., from the fleece	-	-	-	-
PC5. arrange the required tool or implement for shearing wool, i.e. shearing scissors/ blade or shearing machine	-	-	-	-
PC6. select the recommended month for shearing sheep to prevent any adverse impact on them and for their optimum growth before the next shearing	-	-	-	-
<i>Shear the sheep</i>	15	20	-	15
PC7. maintain sheep in an appropriate and comfortable position to prevent their struggling during shearing	-	-	-	-
PC8. shear the sheep appropriately to maintain the quality of fleece being obtained	-	-	-	-
PC9. follow the appropriate measures to prevent stress and injury to sheep during shearing	-	-	-	-
PC10. collect and maintain the low-quality wool, e.g. belly and leg wool, separately	-	-	-	-

Qualification Pack

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
PC11. follow the recommended measures to protect the freshly obtained fleece from contamination	-	-	-	-
PC12. apply the louse and fly strike prevention treatment to the sheep after shearing	-	-	-	-
PC13. maintain the shorn sheep under the recommended temperature, protecting them from cold winds	-	-	-	-
NOS Total	30	40	-	30

Qualification Pack

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N4511
NOS Name	Undertake shearing of sheep
Sector	Agriculture
Sub-Sector	Animal Husbandry
Occupation	Small Ruminants and Others
NSQF Level	3
Credits	1
Version	1.0
Last Reviewed Date	NA
Next Review Date	29/03/2026
NSQC Clearance Date	29/03/2023

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 : 50

Qualification Pack

(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/N4507.Establish and maintain the goat/sheep farm	30	40	-	30	100	15
AGR/N4508.Procure, rear and market goats/sheep	30	40	-	30	100	15
AGR/N4509.Carry out breeding of goats/sheep	30	40	-	30	100	20
AGR/N4510.Undertake milking of goats/sheep	30	40	-	30	100	15
AGR/N9922.Engage in collective farming/activity	30	40	-	30	100	15
AGR/N9903.Maintain health and safety at the workplace	40	25	-	35	100	10
DGT/VSQ/N0101.Employability Skills (30 Hours)	20	30	-	-	50	10
Total	210	255	-	185	650	100

Optional: 1 Sheep shearing

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N4511.Undertake shearing of sheep	30	40	-	30	100	20
Total	30	40	-	30	100	20

Qualification Pack

Acronyms

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

Qualification Pack

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.

Qualification Pack

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.