



Livestock Service Provider

Options: Program implementation and marketing in the livestock sector/ Small Animal breeding services

QP Code: AGR/Q4804

Version: 8.0

NSQF Level: 4

Orientation and Soft Skill Details

Sr. No.	Module	Key Learning Outcomes	Equipment Required
A.	Orientation , General Discipline, doubts/gaps in RPL Training and Health and Safety		
1.	<p>Orientation , General Discipline, doubts/gaps in RPL Training and Health and Safety</p> <p>Theory Duration (hh:mm) 06:00</p> <p>Practical Duration (hh:mm) 00:00</p>	<ul style="list-style-type: none"> • RPL Training (clarifying any doubts/gaps regarding Job Role) • Understanding Qualification Packs, NOS • Understanding about NSQF framework and applied level descriptors • Understand skill development ecosystem, roles of various stakeholders • Recognize the importance of general discipline in the classroom (dos and don'ts) • List expectations from the program • Outline the objectives of the RPL and importance of skill and certification • Identify risks to health and safety at the workplace and measures to be taken to control them 	<p>White Board, Marker, Laptop, projector,</p>
B.	Soft Skills and Entrepreneurship Tips specific to the Job Role		
1.	<p>Entrepreneurship</p> <p>Theory Duration (hh:mm) 02:00</p>	<ul style="list-style-type: none"> • Discuss the concept and significance of entrepreneurship and the characteristics of an entrepreneur • List the traits of an effective team and team dynamics • Resolve problems by identifying important problem-solving traits • Discuss how to identify new business opportunities within your business • Follow the entrepreneurial process and explain the entrepreneurship ecosystem • Identify key schemes of the govt. and banks to promote entrepreneurship • Define the relationship between entrepreneurship and risk appetite and entrepreneurship and resilience • Importance of book keeping and accounts management. • Understand market dynamics and value chain of agri products. • Understanding formation of cooperatives, FPO, FPC and enterprise creation 	<p>Laptop, white board, marker and projector,</p> <p>SWOT activity: pen and paper individual exercise, charts, coloured pens, Group Activity: poster making on entrepreneurship ecosystem.</p> <p>Activity: SMART Goal writing</p>

2	Personal Strengths and Value Systems Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 00:00	<ul style="list-style-type: none"> • Self-Improvement, inculcate leadership qualities. • Importance of Discipline in managing small business. • Discuss how to maintain a positive attitude • List your strengths and weaknesses • Describe the importance of honesty in entrepreneurs • Discuss the benefits of time management and applied techniques • Apply tips for anger management and stress management • Effective interpersonal skills, listening and speaking skills. 	Workbook exercises on health standards, Laptop, activity on strengths and weaknesses, white board, marker, projector	
3	Preparing for Employment and Self-Employment Theory Duration (hh:mm) 01:00 Practical Duration (hh:mm) 00:00	<ul style="list-style-type: none"> • Follow the steps to prepare for an interview • Create an effective Resume • Conduct mock interviews • Identify the most frequently asked interview questions and how to answer them 	Laptop, white board, marker, projector, sample CVs, Mock interviews, role plays, role play briefs, FAQs, quiz on basic workplace technologies.	
C.	Familiarization with Assessment Process and Terms			
1	Familiarization with Assessment Process and Terms (hh:mm) 02:00	<ul style="list-style-type: none"> • Familiarization about assessment process • Understanding the need of assessment • Preparation tips for assessment • Doubt clearance session 		
	Total Duration: Theory Duration (hh:mm) 12:00 Practical Duration (hh:mm) 00:00	Laptop, white board, marker and projector, SWOT activity: pen and paper individual exercise, charts, coloured pens, Group Activity: poster making on entrepreneurship ecosystem. Activity: SMART Goal writing		



AGR/Q4804: Livestock Service Provider

Brief Job Description

A Livestock Service Provider (LSP), also known as a Community Animal Health Worker (CAHW), Community Resource Person (Veterinary), or Animal Health Worker (AHW), is a person selected from his/her community to provide livestock extension and development-related services along with a set of "Minor Veterinary services" required for the given job role. The Minor Veterinary Services will be as per the notification under the Indian Veterinary Council Act (No.52 of 1984).

Personal Attributes

A Livestock Service Provider should have a mind for science, belongingness to the community, compassion for animals, good leadership, communication, and observation skills. S/he should be physically strong and have the manual dexterity to perform on the job.

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. [AGR/N4801: Carry out Controlling/restraining / examination of animals](#)
2. [AGR/N4802: Carry out Vaccination and implementing regular preventive health care program](#)
3. [AGR/N4805: Provide Veterinary First Aid and handling of common ailments](#)
4. [AGR/N4807: Assist government agencies in animal disease control with One Health approach](#)
5. [AGR/N4808: Assist in veterinary extension services](#)
6. [AGR/N4823: Assist in Animal Welfare, Breed Conservation, and Disaster Management](#)
7. [DGT/VSQ/N0102: Employability Skills \(60 Hours\)](#)

Options(Not mandatory):

Option 1: Program implementation and marketing in the livestock sector

This OS unit is about assisting organizations in implementing programs and projects in the livestock sector (including one related to the marketing of livestock products).

1. [AGR/N4810: Facilitate program implementation and marketing in the livestock sector](#)

Option 2: Small Animal breeding services

This OS unit is about assisting organization in implementing programs related to animal breeding in small

farm animals.

1. [AGR/N4821: Implementation of animal breeding services in small farm animals](#)

Qualification Pack (QP) Parameters

Sector	Agriculture
Sub-Sector	Animal Husbandry
Occupation	Livestock Health Management
Country	India
NSQF Level	4
Credits	18
Aligned to NCO/ISCO/ISIC Code	NCO-2015/6116
Minimum Educational Qualification & Experience	12th grade Pass (or equivalent) OR 10th grade pass with 3 Years of experience relevant experience in Agri and allied sectors/Pashu sakhi OR Previous relevant Qualification of NSQF Level (3.5) with 1.5 years of experience relevant experience in Agri and allied sectors/Pashu sakhi OR Previous relevant Qualification of NSQF Level (3.0) with 3 Years of experience relevant experience in Agri and allied sectors/Pashu sakhi
Minimum Level of Education for Training in School	
Pre-Requisite License or Training	NA
Minimum Job Entry Age	17 Years
Last Reviewed On	NA
Next Review Date	26/11/2027
NSQC Approval Date	26/11/2024
Version	8.0

Reference code on NQR	QG-04-AG-03413-2024-V2-ASCI
NQR Version	2.0

AGR/N4801: Carry out Controlling/restraining / examination of animals (Theory Duration: 02:30 Hours, Practical Duration: 05:00 Hours)

Description

This OS unit is about controlling and restraining, examining animals, for delivery of veterinary care in an ideal manner based on the behavior and needs of the animals while ensuring the safety and well-being of both the animal and the handler

Scope

The scope covers the following :

- Apply general principles of animal handling and safety
- Use of tools and equipment to restrain animals
- Examination of animals

Elements and Performance Criteria

Apply general principles of animal handling and safety

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

- PC1.** identify signs of fear, pain, stress, and discomfort in farm animal
- PC2.** apply ways to ensure cooperation during handling
- PC3.** use personal protective material /equipment
- PC4.** approach and hold a farm animal securely and safely with minimum stress and injury
- PC5.** protect oneself from any physical injury during animal handling

Use of tools and equipment to restrain animals

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

- PC6.** follow bio-security protocol and the procedures for preparing the examination area, tools and equipment
- PC7.** apply tools and equipment to restrain animals, ensuring zero accident
- PC8.** apply tools and equipment to restrain animals, ensuring zero accident

Examination of animals

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

- PC9.** identify the breed, age, sex, colour, and production class of the animal and record the same
- PC10.** recognize common clinical signs of disease, including prevalent zoonotic diseases
- PC11.** collect relevant case history information, including changes in husbandry practice and potential hazards in the immediate environment.
- PC12.** conduct a topographic examination of the animal and record findings as per the SOPs prepared by the supervisor
- PC13.** conduct body, leg and manure scoring
- PC14.** recognize the normal range of vital health parameters in animals
- PC15.** recognize situations that require immediate communication with the animal owner and referral to supervisors

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** the relevant organizational policy on professional conduct, scope of work, health event reporting and record keeping
- KU2.** the supervisory structure
- KU3.** species of farm/work animals, breeds, and production stages (as necessary for recording the signals)
- KU4.** the basics of animal behaviour, possible stimulus, and negative responses
- KU5.** signs of pain, fear, stress and discomfort
- KU6.** ways to differentiate a diseased animal from a healthy animal
- KU7.** flight zone, point of balance, and procedure of approaching and holding animals securely and safely
- KU8.** common tools and equipment used in animal restraining and examination
- KU9.** handling of animals during transport in a rural setting
- KU10.** the organ system and various body parts of relevant species (surface anatomy)
- KU11.** basic physiology of animals and standard range of vital health parameters in animals
- KU12.** history taking and communication with the animal owner
- KU13.** the basic clinical examination of animals (topographically), e.g., temperature, respiratory rate, mucous membranes, lymph node, skin appraisal, body condition, leg and manure scoring, etc.)
- KU14.** potential health risk within the farm environment
- KU15.** basic biosecurity and safety guidelines in animal handling
- KU16.** the rights of animal owners

Generic Skills (GS)

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

- GS1.** prepare a brief case report as per guidelines
- GS2.** fill data sheet/health monitoring proforma
- GS3.** read government / organizational guidelines/manuals
- GS4.** stay updated with the latest knowledge by reading brochures, pamphlets, etc., about animal health management
- GS5.** discuss task lists, schedules, etc., with co-workers
- GS6.** communicate with farmers/clients and other field-level One Health partners.
- GS7.** make decisions related to the use of techniques/tools and equipment
- GS8.** plan various procedures

AGR/N4802: Carry out Vaccination and implementing regular preventive health care program (Theory Duration: 02:30 Hours, Practical Duration: 05:00 Hours)

Description

This OS unit is about providing preventive animal health care.

Scope

The scope covers the following :

- Animal identification and data recording
- Optimized disease management
- Review of standing technical guidance on control of scheduled/notified disease(s)
- Communicating business/health risk and bio-security related information to the client
- Scheduling vaccination program
- Pre and post-vaccination care

Elements and Performance Criteria

Animal identification and data recording

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

- PC1.** carry out tagging of animals as per standard protocol
- PC2.** use field data collection tools (including electronic/mobile-based data collection) as per given specifications
- PC3.** identify and record the data such as species, geographical location, specific area of the animal as per SOP
- PC4.** record and submit the data related to health, production, and breeding of the animals attended to the appropriate authority on time as per format

Optimized disease management

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

- PC5.** Communicate to the client/farmer regarding the importance of early detection, prompt treatment and follow-up care
- PC6.** explain appropriate changes in husbandry and environment to prevent diseases

Review of standing technical guidelines on the control of scheduled/notified disease(s)

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

- PC7.** Review of standing technical guidelines on the control of scheduled/notified disease(s)

Communication of business/health risk and bio-security related information to the client.

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

- PC8.** create future demand for preventive services by appropriately communicating the risk
- PC9.** ensure a high rate of voluntary compliance with bio-security norms

Scheduling of vaccination program

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

PC10. schedule vaccination program appropriately, ensuring technical requirements related to the environment and convenience of farmer/client

Pre and post-vaccination care

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

PC11. identify sick animals or animals not fit for vaccination

PC12. face any emergency situation following after vaccination

PC13. analyze and report side-effect (if any)

Handling and administration of vaccines

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

PC14. perform self-evaluation of procedure related to procurement/infrastructure for storage etc. and use of vaccines from appropriate sources

PC15. ensure cold chain and compliance with other guidelines during transportation to farmer's/clients' place and point of usage

PC16. categorize vaccine stock in hand so that the oldest vaccines are being used first, ensuring that no vaccine is used after the expiration date

PC17. follow all scientific guidelines related to vaccine administration procedure e.g. use of appropriate dose, use of separate syringe for different vaccines, etc.

Preventive de-worming

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

PC18. follow local area guidelines regarding species, age, and season of de-worming

PC19. use only permissible products, follow appropriate dose and procedure of administration (as per the directive of supervising veterinarian)

Spraying of animals/birds or use of other methods for control of ectoparasites / vectors

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

PC20. use only permissible products, ensuring appropriate dose and procedure of application

PC21. ensure scale of operation by involving a maximum number of farmers in a given area

PC22. take precaution for minimum effect on animal/immediate environment

Record keeping of preventive interventions, monitoring, and follow up

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

PC23. ensure the record of a given vaccine and administration-related information (individual/herd level) along with batch numbers etc., as per given format

PC24. timely report vaccine failure to appropriate authority as per format

PC25. support laboratory for sample test etc. as per directive for monitoring of success of vaccination program

PC26. ensure herd coverage and continuity of vaccination program

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. the relevant government / organizational guidelines pertaining to preventive care procedure, use of products and reporting structure, etc.

KU2. the impact/importance of preventive care program vis a vis organizational mandate

- KU3.** the importance of data recording and use of data collection tool
- KU4.** the prevalent farming system, social, geographical/environmental condition of the service area
- KU5.** Main categories and differences of disease causation, e.g. infectious, parasitic, metabolic, etc.
- KU6.** principles of disease transmission, including modes of transmission and factors contributing to disease spread
- KU7.** potential role of wildlife in disease transmission in forest fringe areas
- KU8.** Ways to optimized disease management and the examination routine of healthy animals
- KU9.** the prevalent diseases vis a vis affected species within the service area
- KU10.** the symptoms, the period of prevalence, pre-disposing factors of the prevalent diseases
- KU11.** the impact of prevalent disease(s) and its geographical spread
- KU12.** pre- and post-vaccination care, including handling of possible emergencies
- KU13.** how vaccine work, the type of vaccine and the importance of maintaining cold chain
- KU14.** availability of vaccines within a given geographical area, storage, and use (e.g., reconstitution, etc.)
- KU15.** the scientific procedure of vaccine administration
- KU16.** the veterinary products used in preventive care and their appropriate use
- KU17.** environmental effect of chemicals used for control of ectoparasite/vector control
- KU18.** basic concept of herd immunity

Generic Skills (GS)

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

- GS1.** prepare a brief report/write email at least in local language
- GS2.** fill datasheet
- GS3.** read government/organizational guidelines
- GS4.** keep abreast with the latest knowledge by reading brochures, pamphlets, and product information sheets
- GS5.** discuss task lists, schedules, etc. with co-workers
- GS6.** ask question and listen to farmers/clients to collect required data
- GS7.** give clear suggestions/guidance to farmers/clients
- GS8.** make decisions pertaining to the concerned area of work (in organizing and coordinating work activities)
- GS9.** solve problem arising out of implementation/scheduling of activities
- GS10.** solve minor problems related to supplies, cold chain, consumables, financial and other resources to ensure an efficient workflow for work assigned
- GS11.** plan activities and carry them through effectively involving farmers/clients
- GS12.** follow given procedures
- GS13.** use communication tools
- GS14.** gather information systematically to establish a fact

AGR/N4805: Provide Veterinary First Aid and handling of common ailments (Theory Duration: 03:30 Hours, Practical Duration: 07:30 Hours)

Description

This OS unit is about veterinary first-aid and handling of common ailments in farm animals.

Scope

The scope covers the following :

- Handling of non-infectious conditions like indigestion, anorexia, constipation, tympani, impaction, diarrhea etc
- Provide immediate support to accidental situations like poisoning, sunstroke, electrocution, burn injuries, etc
- Handling of superficial wounds and trauma
- Handling of common ailments
- Support in reproductive emergencies

Elements and Performance Criteria

Handling of non-infectious conditions like indigestion, anorexia, constipation, tympani, impaction, diarrhea etc.

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

PC1. Identify the non-infectious condition and use commonly suggested medications / follow precautions as per the manual prepared by the supervisor

Provide immediate support to accidental situations like poisoning, sunstroke, electrocution, burn injuries, etc.

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

PC2. identify the cause of the accident from the symptoms

PC3. recognize the severity of the accident and suggest for consultation with a veterinarian

PC4. provide primary/immediate care as specified for each type of accident as per SOP

Handling of superficial wounds and trauma

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

PC5. clean and protect the wound and stop bleeding

Handling of common ailments

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

PC6. recognize symptoms of common diseases listed for the local area by appropriate authorities

PC7. procure permitted quality medication from approved channels / stores and follow guideline for handling/ storage

PC8. apply/administer/ dispose medication as per SOP /prescription provided by the veterinarian

PC9. record administered medications, including suggestions to the client and follow-up done as indicated in SOP

Support in reproductive emergencies

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

- PC10.** recognize signs of dystocia early to seek appropriate help from a supervisor/veterinarian
- PC11.** carry out aseptic handling and protection of the prolapsed organ(s) before the arrival of a veterinarian

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant organizational policy on health event reporting/record keeping
- KU2.** relevant supervisory structure
- KU3.** basics of emergency conditions in animals along with pre-disposing factors
- KU4.** common local diseases with clinical signs and causation
- KU5.** steps to minimize human and environmental contamination when working around animals / handling sick and dead animals
- KU6.** SOPs related to approved primary treatment for each local disease
- KU7.** use of approved ethnoveterinary practices
- KU8.** nature of wounds vis-a-vis procedure of cleaning and protection
- KU9.** common reproductive emergencies, risk factors and signs of dystocia
- KU10.** anatomical locations for permitted drug administration.
- KU11.** Dosage, route of administration, frequency, duration and safety precautions of common medications in emergencies and to handle locally common diseases
- KU12.** basics of storage, handling, and disposal of approved/permitted medicines
- KU13.** common approaches in handling poisoning and natural calamities
- KU14.** the usage of a first aid kit
- KU15.** prerogatives and obligations concerning treatment and use of drugs in animals

Generic Skills (GS)

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

- GS1.** fill data sheet/health monitoring proforma
- GS2.** read government/organizational guideline/manuals
- GS3.** read directives from government/organization/ supervising veterinarians
- GS4.** discuss task lists, schedules, etc. with co-workers
- GS5.** explain farmers / clients on presented symptoms / emergency conditions
- GS6.** give clear suggestions/guidance to farmers/clients
- GS7.** make decisions related to the use of medication out of permitted assortments
- GS8.** decide appropriate approach and best way to handle an injured animal
- GS9.** relate the emergency to immediate events on the surrounding environment

AGR/N4807: Assist government agencies in animal disease control with One Health approach (Theory Duration: 02:30 Hours, Practical Duration: 01:30 Hours)

Description

This OS unit is about assisting government authorities in animal disease control

Scope

The scope covers the following :

- Assistance in the implementation of surveillance programs and One Health initiatives
- Provide leadership for local resource mobilization and partnership
- Implement biosecurity norms within identified area/livestock market/farms as per guideline
- Recording and reporting of the animal movement route (including cross-border movement)
- Create awareness on livestock value chain/transport-related risky practices
- Administration of preventive herd level medication (where suggested)
- Reporting of disease incidence /outbreak. Sample collection
- Supervise culling and disposal of animals /bird
- Supervise disinfection of farm premises / local area
- Communicate for safe food handling at the farm level and scientific slaughter in community slabs.

Elements and Performance Criteria

Assistance in the implementation of surveillance programs and One Health initiatives

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

- PC1.** relate to multiple factors that can predispose or cause the spread of diseases
- PC2.** collect data related to various surveillance programs as per the supervisor's instructions
- PC3.** explain the "one health approach" in controlling diseases and cooperate with partnering agencies/ integrated team
- PC4.** explain the importance of measures taken to address the spread of zoonotic disease and to control antimicrobial resistance (AMR)
- PC5.** identify potential zoonotic diseases and explain precautions and practices required to avoid transmission

Provide leadership for local resource mobilization and partnership

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

- PC6.** support mobilization of local resources to strengthen government efforts to reach out to farmers for events like vaccination camps, etc

Implement biosecurity plans within identified areas/livestock markets/farms as per guideline

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

- PC7.** collect data for government records on livestock markets/farms
- PC8.** communicate with officials of local self-government and market institutions
- PC9.** plan implementation of approved government biosecurity guidelines related to the market operation, cleaning, etc.

Record and reporting of the animal movement route (including cross-border movement)

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

PC10. describe routes in relation to approved maps/known border areas

PC11. record nature of trade/frequency of movement/location of animal holding areas, trade volume, etc.

PC12. report animal movement as per standard format

Create awareness of livestock value chain/transport-related risky practices

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

PC13. explain common activities from farm to fork, relationships between people and movement of goods in livestock/poultry-related business

PC14. identify risky practices and report to veterinarians/superior officers

Safe food handling

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

PC15. communicate to client farmers regarding good practices related to the handling of livestock products for food safety at household and at the farm level

PC16. communicate to client farmers the importance of scientific slaughter practices in community slaughter slabs and sanitary disposal of waste

Reporting of disease incidence /outbreak

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

PC17. list benefit of early disease reporting

PC18. use a standard format for disease reporting

Sample collection

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

PC19. collect permitted samples (animal, feed, food and environmental) as directed by the supervising veterinarian

PC20. label and record sample

PC21. follow proper packaging procedure as per the guidance of the supervisor

PC22. communicates sample test results with recommended action from supervisor/veterinarians to client farmers, maintaining required confidentiality

Supervise culling and disposal of animals /bird

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

PC23. practice humane culling methods as per direction of authority

PC24. ensure scientific disposal of culled carcasses as per guidelines

Supervise disinfection of farm premises / local area

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

PC25. ensure the use of appropriate disinfectant and adoption of the prescribed procedure of application

PC26. ensure coverage of areas/ farms as per the suggestion of government authority

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. relevant organizational policy on health event reporting/record keeping

- KU2.** importance and procedure of disease reporting
- KU3.** the basic concept of one health and its importance
- KU4.** prevalent zoonotic diseases with signs and precautions needed to avoid transmission
- KU5.** prevalent zoonotic diseases with signs and precautions needed to avoid transmission
- KU6.** concept of bio-security control in livestock markets/farms
- KU7.** various activities, the relationship of people associated with livestock and poultry business from farm to fork along with common risky practices
- KU8.** linkage between risky practices, animal movement and disease transmission
- KU9.** locations for collection of permitted animal samples
- KU10.** basic guideline of permitted sample collection (covering animal, feed, food and environmental samples), identification, packaging, and shipping methods
- KU11.** basic principles of biosafety and importance of biological threat
- KU12.** culling, disposal and disinfection methods
- KU13.** scientific slaughter practices in community slaughter slabs and sanitary disposal of waste
- KU14.** good practices related to handling livestock products for food safety at the farm level

Generic Skills (GS)

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

- GS1.** prepare a brief report
- GS2.** fill data sheet
- GS3.** keep abreast with the latest knowledge of disease outbreaks etc. by reading brochures, pamphlets, websites, etc.
- GS4.** read directives from government /organization / supervising veterinarians
- GS5.** discuss task lists, schedules, etc. with co-workers
- GS6.** explain to farmers and other stakeholders on the importance of addressing risky practices for disease control
- GS7.** give clear suggestions/guidance to farmers/clients
- GS8.** make early decisions related to reporting of disease outbreaks
- GS9.** plan various activities
- GS10.** send an email and enter data to a database as per the given format

AGR/N4808: Assist in veterinary extension services (Theory Duration: 02:30 Hours, Practical Duration: 05:00 Hours)

Description

This OS unit is about assisting organizations in conducting veterinary extension-related activities.

Scope

The scope covers the following :

- promoting approved technology and best practices (viz housing, feeding, breeding including organic practices) in livestock farming, handling animal products
- assist farmers on quality farm input selection and procurement
- engagement with community and sustainable delivery of services
- use of mobile and other technology for extension/client education

Elements and Performance Criteria

Promoting approved technology and best practices in housing, feeding, breeding and other related areas in livestock farming and handling of animal products

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

- PC1.** explain the applicability and benefit associated with common approved technology(s) / best practice(s) in the context of local situations, opportunities, and constraints
- PC2.** give feedback on technology application in the field and need for improvement
- PC3.** organize extension events based on farmer convenience and seasonal suitability

Assist farmers on quality farm input selection and procurement

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

- PC4.** explain quality parameters regarding various farm inputs
- PC5.** identify sources, plan and organize farmers for intelligent (timely, quality, and appropriate cost- based) procurement of inputs

Engagement with community and delivery of sustainable services

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

- PC6.** recognize how gender and other social factors impact management of animals
- PC7.** follow various related development programs ongoing within the community and contribute meaningfully to such programs
- PC8.** prepare and support community and individual farmers to face disasters
- PC9.** apply basic principles of management needed for sustainable delivery of services within a community
- PC10.** network with various people and associations within profession, community and in livestock business

Use of mobile and other technology for extension/client education

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

- PC11.** use modern communication devices, audio-visual aids to explain farmers/clients

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** basic extension concepts
- KU2.** Production cycle of farm animals
- KU3.** basics of breeding and selection of animals. (with brief introduction to state breeding policy)
- KU4.** prerequisite for setting up of a livestock farm /related business
- KU5.** basics of animal housing and farm infrastructure (Focusing on smallholder)
- KU6.** sanitation and hygiene within farm premises and waste disposal
- KU7.** water and land use efficiency
- KU8.** concept of organic production and natural livestock farming
- KU9.** common popular production/processing technologies in livestock/poultry farming / product handling. (Appropriate to the region/state)
- KU10.** common feed ingredients/fodder variety and their uses/fodder preservation and enrichment
- KU11.** importance of mineral mixture and feed supplements in animal ration
- KU12.** basics of feeding management including ration balancing
- KU13.** handling of infertility focusing on nutritional approach
- KU14.** basics of managing livestock business
- KU15.** clean milk production
- KU16.** organoleptic testing of feed
- KU17.** preparing for disasters and dos and don'ts in the event of disasters
- KU18.** government development schemes for livestock farmers (with respect to the local area)
- KU19.** use of communication devices and relevant mobile applications
- KU20.** importance of data and use of data collection tool (including electronic)

Generic Skills (GS)

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

- GS1.** prepare a brief field program report
- GS2.** fill datasheet and survey form
- GS3.** read government/organizational guideline/manuals
- GS4.** keep abreast with the latest knowledge/technologies by reading brochures, pamphlets, and other related information sheet
- GS5.** discuss task lists, schedules, etc. with co-workers
- GS6.** explain farmers/clients on the use of various technologies
- GS7.** give clear suggestions/guidance to farmers/clients
- GS8.** make decisions related to the suitability of any technology based on local situations
- GS9.** plan for various extension events
- GS10.** use electronic communication/presentation tools

GS11. investigate and analyze adopted technologies and provide feedback to supervising veterinarian/scientist

AGR/N4823: Assist in Animal Welfare, Breed Conservation, and Disaster Management (Theory Duration: 01:30 Hours, Practical Duration: 03:00 Hours)

Description

This OS unit is about assisting an organization in implementing programs related to animal welfare and conservation.

Scope

The scope covers the following :

- Identifying and reporting cruelty to animals/birds
- Supporting the management of human-animal conflict
- Promotion of rearing of purebred indigenous animals
- Addressing the needs of disabled, infirm animals (in Gaushala's the protective shelters for cows in India)
- Supporting disaster preparedness and handling

Elements and Performance Criteria

Identifying and reporting cruelty to animals/birds

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

PC1. identify and explain the cruelty for effective reporting

Supporting the management of human-animal conflict

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

PC2. explain the stakeholders on common prevention and protection strategies related to the common conflict situation

Promotion of rearing of purebred indigenous animals

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

PC3. identify and promote the economic use of indigenous farm animals

Addressing the needs of disabled, infirm animals (in Gaushala's the protective shelters for cows in India)

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

PC4. ensure specific housing requirements of disabled, infirm animals

PC5. provide required care to recumbent animals

Supporting disaster preparedness and handling

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

PC6. assist in stocking (as a preparedness) and mobilization of feed/fodder at the time of disasters

PC7. work with community and disaster management authorities to provide safe passage to animals/livestock

PC8. provide care/shelter to animals in distress

PC9. carry out disposal of the carcass as per the guidelines

PC10. carry out culling and other measures suggested in case of disease-related emergencies

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant organizational guidelines on reporting and partnerships
- KU2.** basic concept of animal welfare e.g. five freedoms
- KU3.** Common cruelty inflicted on animals
- KU4.** importance of conservation and the essential role of wildlife in ecosystem functioning
- KU5.** common prevention and protection strategies in human-animal conflict situations
- KU6.** Introduction to disaster management
- KU7.** rules and regulations related to animal welfare and wildlife conservation

Generic Skills (GS)

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

- GS1.** prepare a brief report
- GS2.** read government / organizational guidelines
- GS3.** read directives from government/organization / supervising veterinarians
- GS4.** discuss task lists, schedules, etc. with co-workers
- GS5.** explain farmers/animal owners on disaster management issues
- GS6.** make decisions related to steps needed to protect the interest of livestock/animals in the event of a disaster
- GS7.** plan various activities
- GS8.** use mobile/electronic gadgets helpful during disasters

DGT/VSQ/N0102: Employability Skills (6 Hours)

Description

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

Scope

The scope covers the following :

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

Elements and Performance Criteria

Introduction to Employability Skills

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

- PC1.** identify employability skills required for jobs in various industries
- PC2.** identify and explore learning and employability portals

Constitutional values - Citizenship

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

- PC3.** recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.
- PC4.** follow environmentally sustainable practices

Becoming a Professional in the 21st Century

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

- PC5.** recognize the significance of 21st Century Skills for employment
- PC6.** practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life

Basic English Skills

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

- PC7.** use basic English for everyday conversation in different contexts, in person and over the telephone
- PC8.** read and understand routine information, notes, instructions, mails, letters etc. written in English
- PC9.** write short messages, notes, letters, e-mails etc. in English

Career Development & Goal Setting

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

- PC10.** understand the difference between job and career
- PC11.** prepare a career development plan with short- and long-term goals, based on aptitude

Communication Skills

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

- PC12.** follow verbal and non-verbal communication etiquette and active listening techniques in various settings
- PC13.** work collaboratively with others in a team

Diversity & Inclusion

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

- PC14.** communicate and behave appropriately with all genders and PwD
- PC15.** escalate any issues related to sexual harassment at workplace according to POSH Act

Financial and Legal Literacy

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

- PC16.** select financial institutions, products and services as per requirement
- PC17.** carry out offline and online financial transactions, safely and securely
- PC18.** identify common components of salary and compute income, expenses, taxes, investments etc
- PC19.** identify relevant rights and laws and use legal aids to fight against legal exploitation

Essential Digital Skills

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

- PC20.** operate digital devices and carry out basic internet operations securely and safely
- PC21.** use e- mail and social media platforms and virtual collaboration tools to work effectively
- PC22.** use basic features of word processor, spreadsheets, and presentations

Entrepreneurship

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

- PC23.** identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research
- PC24.** develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion
- PC25.** identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity

Customer Service

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

- PC26.** identify different types of customers
- PC27.** identify and respond to customer requests and needs in a professional manner.

PC28. follow appropriate hygiene and grooming standards

Getting ready for apprenticeship & Jobs

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

PC29. create a professional Curriculum vitae (Résumé)

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

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

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

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

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

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

KU2. various constitutional and personal values

KU3. different environmentally sustainable practices and their importance

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

KU5. how to use English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

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

KU7. about effective communication

KU8. POSH Act

KU9. Gender sensitivity and inclusivity

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

KU11. how to compute income and expenditure

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

KU13. different legal rights and laws

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

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

KU16. how to identify business opportunities

KU17. types and needs of customers

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

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

Generic Skills (GS)

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

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

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

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

AGR/N4810: Facilitate program implementation and marketing in the livestock sector

Description

This OS unit is about assisting organizations in implementing programs and projects in the livestock sector (including one related to the marketing of livestock products).

Scope

The scope covers the following :

- Facilitate implementation of government / private development programs including livestock insurance
- Engagement with 'farmers' institutions and local self-government (Panchayat)
- Facilitate agri-livestock related economic activity of self-help groups
- Facilitate marketing of livestock farm inputs / products

Elements and Performance Criteria

Facilitate implementation of government / private development programs including livestock insurance

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

- PC1.** promote awareness of programs and help in targeted beneficiary selection as envisioned in the project/program
- PC2.** work with selected project beneficiaries in implementing activities as envisaged in promoted programs
- PC3.** practice ear tagging in livestock and register animal for insurance

Engagement with 'farmers' institutions and local self-government (Panchayat)

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

- PC4.** attend and support during meeting /programs of farmer's institutions/panchayats
- PC5.** inform/involve farmer leaders/panchayat functionaries in the selection of program beneficiaries
- PC6.** facilitate organization's panchayat endeavor to ensure convergence of development projects for synergy

Facilitate agri-livestock related economic activity of self-help groups

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

- PC7.** support and handhold formation of self-help groups
- PC8.** guide farmers on business options and basic economics of various livestock-linked activities

Facilitate marketing of livestock farm inputs / products

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

- PC9.** support farmers to produce for market and ensure aggregation, collective marketing of livestock products
- PC10.** deliver market-related e.g. prices, etc. information to farmers
- PC11.** promote use of quality livestock farm inputs

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant organizational policy and programs
- KU2.** sustainable development and goal for same
- KU3.** basics of project development and management
- KU4.** guideline on self-help group/producer company formation and functioning
- KU5.** common livestock-based business activities and economics thereof
- KU6.** benefits of local area livestock /rural development programs
- KU7.** concept of livestock insurance and introduction to IRDA guidelines
- KU8.** basics of marketing and markets in the context of livestock products

Generic Skills (GS)

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

- GS1.** prepare a brief report
- GS2.** read government/organizational guideline/manuals
- GS3.** keep abreast with the latest information/knowledge on the rural development livestock market by reading newspapers, magazines, etc.
- GS4.** discuss and explain benefit/outcome development programs
- GS5.** listen and comprehend 'farmer's problems and suggestions
- GS6.** plan activities
- GS7.** use electronic gadgets to promote programs/projects and engage with farmers/clients
- GS8.** investigate and analyze opportunities and difficulties in program implementation

AGR/N4821: Implementation of animal breeding services in small farm animals

Description

This OS unit is about assisting organization in implementing programs related to animal breeding in small farm animals.

Scope

The scope covers the following :

- Maintaining database of good animal breeders
- Assist farmers in quality animal selection / purchase
- Conduct artificial insemination
- Assist farmers on management of unproductive animals
- Post insemination support, data recording, and Performance monitoring of breeding services

Elements and Performance Criteria

Maintaining database of good animal breeders

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

PC1. support farmers/clients with information on sourcing of good breeding animals

Assist farmers in quality animal selection / purchase

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

PC2. assist farmers/clients in selecting animals with the proper breed and other characteristics for breeding purposes

Conduct artificial insemination

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

PC3. recognize heat in livestock

PC4. use semen of appropriate quality and blood level

PC5. comply with the prescribed procedures in handling semen straw and in conducting insemination

PC6. practice artificial insemination in time

Assist farmers on management of unproductive animals

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

PC7. illustrate farmers/clients common infertility issues and their handling

PC8. guide farmers on appropriate feeding of breeding animals e.g. mineral supplementation, etc.

PC9. guide farmers on maintaining an optimum number of animals based on breeding plan and suggest techniques to improve performance

Post insemination support, data recording, and Performance monitoring of breeding services

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

PC10. support/assist farmer in handling common difficulties related to animal birth

- PC11.** use field data collection tools (including electronic reader / mobile-based data collection) as per given specifications
- PC12.** provide the organization with standard required information such as semen used, time of heat, time of insemination, kid/piglet born, etc., needed to monitor breeding services

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

- KU1.** relevant organizational policy on breeding
- KU2.** basic of reproductive physiology e.g estrous cycle, signs, etc. and anatomy of reproductive organs in goat, pigs, etc.
- KU3.** basic of genetics e.g. selective breeding/cross-breeding
- KU4.** concept of artificial insemination
- KU5.** semen straw handling procedure and safety requirement in the handling of liquid nitrogen
- KU6.** technical procedure of artificial insemination
- KU7.** feeding of breeding animals, mineral supplementation, etc.
- KU8.** common animal birth-related difficulties in small animals and handling of same.

Generic Skills (GS)

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

- GS1.** prepare a brief case report
- GS2.** fill monitoring related forms etc.
- GS3.** read the label of semen straws
- GS4.** read manufacturer guideline of various common equipment uses in breeding services
- GS5.** read directives from government/organization / supervising veterinarians
- GS6.** discuss task lists, schedules, etc. with co-workers
- GS7.** explain farmers/clients on artificial insemination procedures
- GS8.** give clear suggestions / guidance to farmers / clients
- GS9.** make decisions related to time, appropriate application of artificial insemination technologies, etc.
- GS10.** plan various procedures
- GS11.** use electronic/mobile tools (where available) to record and send breeding related data to servers
- GS12.** investigate and analyze in relation to difficulties, failures, etc.

Acronyms

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

Glossary

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

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

ANNEXURE

Trainer Requirements

Minimum Educational Qualification of the Trainer	Specialization	Relevant Industry Experience		Training Experience		Remarks
		Years	Specialization	Years	Specialization	
10th class		7	Animal welfare	0		Animal Health Worker with 7 Years experience of working with registered Corporates or Not for Profit Organizations after 10th Pass
Diploma	Veterinary /Animal Husbandary / Dairying	5	Animal welfare	0		Regular Diploma more than 15 months in veterinary /Animal Husbandary /Dairying Ex-Service-Man including Ex-Paramilitary personnel: Minimum Qualification is 10+2 with an Honorable Discharge/Pension. SSC would consider a relaxation/waiver of sector specific experience on case to case basis.
Graduate	Agriculture	4	Animal welfare	0		For school Program minimum qualification of Trainer should be Graduate in (Agriculture/Zoology). Their Teaching experience will be considered industry experience
B. Tech	B. Tech (Dairy)	3	Animal welfare	0		

B. V. Sc.		1	Animal welfare	0		
Post Graduate	Animal science	0		0		
Trainer Certification						
Domain Certification				Platform Certification		
Certified for Job Role "Livestock Service Provider", mapped to QP: "AGRQ4804, v8.0", Minimum accepted score is 80%				Recommended that the Trainer is certified for the Job Role: "Trainer (Vet & Skills)", mapped to the Qualification Pack: "MEP/Q2601, v2.0". Minimum accepted score as per MEPS guidelines is 80%.		