QUALIFICATION FILE

Livestock Service Provider

☒ **Short Term Training (STT)** ☐ **Long Term Training (LTT)** ☐ **Apprenticeship**

☐ **Upskilling** ☐ **Dual/Flexi Qualification** ☐ **For ToT** ☐ **For ToA**

☒**General** ☐ **Multi-skill (MS)** ☐ **Cross Sectoral (CS)** ☐ **Future Skills** ☐ **OEM**

NCrF/NSQF Level: 4

Submitted By:

Agriculture Skill Council of India

Unit No. 101, First Floor, Greenwoods Plaza, Block 'B', Greenwoods City, Sector 45, Gurugram -122009, Haryana.

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Section 1: Basic Details

1.	Qualification Name	Livestock Service Provider	
2.	Sector/s	Agriculture	
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing qualification: 2022/AGR/ASCI/06547 & Version 7.0	Qualification Name of existing/previous version: Livestock Service Provider
4.	a. OEM Name b. Qualification Name (*Wherever applicable*)	NA	
5.	National Qualification Register (NQR) Code &Version (*Will be issued after NSQC approval*)	QG-04-AG-03413-2024-V2-ASCI	6. NCrF/NSQF Level: *4*
7.	Award (Certificate/Diploma/Advance Diploma/ Any Other) (*Wherever applicable specify multiple entry/exits also & provide details in annexure*)	Certificate	
8.	Brief Description of the Qualification	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).	
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience:	

a. Entry Qualification & Relevant Experience:

S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)
1	12th or equivalent	
2	10th Class Pass	3 Years of relevant experience in Agri and allied sectors/Pashu sakhi
3	Previous NSQF Level 3.5	1.5 Years of relevant experience in Agri and allied sectors/Pashu sakhi
4	Previous NSQF Level 3.0	3 Years of relevant experience in Agri and allied sectors/Pashu sakhi

b. **Age:** 17

10.	Credits Assigned to this Qualification, Subject to Assessment *(as per National Credit Framework (NCrF))*	Min: 15 Max: 18	11. Common Cost Norm Category (I/II/III) *(wherever applicable)*: **I**
12.	Any Licensing requirements for Undertaking Training on This Qualification *(wherever applicable)*	NA	
13.	**Training Duration by Modes of Training Delivery** *(Specify **Total Duration** as per selected training delivery modes and as per requirement of the qualification)*	☒Offline ☐Online ☐Blended	

Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)
Classroom (offline)	180	210	60		450
Online					

14.	**Aligned to NCO/ISCO Code/s** *(if no code is available mention the same)*	NCO-2015/6116
15.	**Progression path after attaining the qualification** *(Please show Professional and Academic progression)*	Livestock Service Provider (L4), Veterinary Field Assistant/ Veterinary Clinical Assistant(L5)/ Livestock Green Management Promoter (L5)
16.	**Other Indian languages in which the Qualification & Model Curriculum are being submitted**	**Hindi**
17.	**Is similar Qualification(s) available on NQR-if yes, justification for this qualification**	☐ Yes ☒ **No** URLs of similar Qualifications:
18.	**Is the Job Role Amenable to Persons with Disability**	☒ **Yes** ☐ **No** If "Yes", specify applicable type of Disability: *SHI*

19.	How Participation of Women will be Encouraged	Batches specific to women will be formed	
20.	**Are Greening/ Environment Sustainability Aspects Covered** (*Specify the NOS/Module which covers it*)	☒ Yes ☐ No DGT/VSQ/N0102 (v1.0)	
21.	**Is Qualification Suitable to be Offered in Schools/Colleges**	Schools ☒ Yes ☐ No Colleges ☒ Yes ☐ No	
22.	**Name and Contact Details of Submitting / Awarding Body SPOC** (*In case of CS or MS, provide details of both Lead AB & Supporting ABs*)	**Name: Mr Srikanth Pampana** **Email: Standards@asci-india.com** **Website: www.asci-india.com**	**Contact No.: 0124-4670029**
23.	**Final Approval Date by NSQC: 26/11/2024**	**24. Validity Duration: 3 years post NSQC Approval**	**25. Next Review Date: 26/11/2027**

Section 2: Module Summary

NOS/s of Qualifications
(In exceptional cases these could be described as components)

Mandatory NOS/s:
Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.
Th.-Theory Pr.-Practical OJT-On the Job Man.-Mandatory Training Rec.-Recommended Proj.-Project

c	NOS/Module Name	NOS/Module Code & Version *(if applicable)*	Core/ Non-Core	NCrF/ NSQF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) *(if applicable)*
1	Carry out Controlling/restraining / examination of animals	AGR/N4801 (v3.0)	Core	4	2	20	40			60	30	50		20	100	15
2	Carry out Vaccination and implementing regular preventive health care program	AGR/N4802 (v3.0)	Core	4	2	20	40			60	35	43		22	100	15
3	Provide Veterinary First Aid and handling of common ailments	AGR/N4805 (v3.0)	Core	4	3	30	60			90	30	56		14	100	25
4	Assist government agencies in animal disease control with One Health approach	AGR/N4807 (v3.0)	Core	4	1	20	10			30	40	36		24	100	10
5	Assist in veterinary extension services	AGR/N4808 (v3.0)	Core	4	2	20	40			60	55	33		12	100	20
6	Assist in Animal Welfare, Breed Conservation, and Disaster Management	AGR/N4823 (v2.0)	Core	4	1	10	20			30	45	40		15	100	10
7	Employability Skills (60 Hours)	DGT/VSQ/N 0102 (v1.0)	Non-Core	4	2	60				60	20	30			50	5
9	OJT (Mandatory)				2			60		60						
Duration (in Hours) / Total Marks					15	180	210	60		450	255	288		107	650	100

Optional NOS: 1. Program implementation and marketing in the livestock sector

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	Facilitate program implementation and marketing in the livestock sector	AGR/N4810 (v4.0)	Core	4	1	20	10			30	30	40		30	100	10
Duration (in Hours) / Total Marks					1	20	10			30	30	40		30	100	

Optional NOS: 2. Small Animal breeding services

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/ Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1.	Implement animal breeding services in small farm animals	AGR/N4821 (V3.0)	Core	4	2	30	30			60	47	37		16	100	10
Duration (in Hours) / Total Marks					2	30	30			60	47	37		16	100	

Assessment - Minimum Qualifying Percentage

*Please specify **any one** of the following:*

Minimum Pass Percentage – Aggregate at qualification level: __70__ **%** *(Every Trainee should score specified minimum aggregate passing percentage at qualification level to successfully clear the assessment.)*

Minimum Pass Percentage – NOS/Module-wise: ____**%** *(Every Trainee should score specified minimum passing percentage in each mandatory and selected elective NOS/Module to successfully clear the assessment.)*

Section 3: Training Related

1.	**Trainer's Qualification and experience in the relevant sector (in years)** *(as per NCVET guidelines)*	10th Class with 7 years of relevant industry or training experience in Animal welfare with registered Corporates or Not for Profit Organizations OR Diploma (Veterinary /Animal Husbandry / Dairying) with 5 years of relevant industry or training

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		experience in Animal welfare (Regular Diploma more than 15 months in veterinary /Animal Husbandry / Dairying) OR 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. OR Graduate (Agriculture) with 4 years of relevant industry or training experience in Animal welfare** **For school Program minimum qualification of Trainer should be Graduate in (Agriculture/Zoology). Their Teaching experience will be considered industry experience OR B.Tech (B. Tech (Dairy)) with 3 years of relevant industry or training experience in Animal welfare OR B.Sc (Graduate (B. V. Sc.)) with 1 years of relevant industry or training experience in Animal welfare OR Post Graduate (Animal science)
2.	**Master Trainer's Qualification and experience in the relevant sector (in years)** *(as per NCVET guidelines)*	5 years of relevant training experience in Animal welfare after Graduation (Agriculture) and 4 years of relevant industry experience in Animal Welfare OR 5 years of relevant training experience in Animal welfare after B. Tech (Dairy) and 3 years of relevant industry experience in Animal welfare. OR 5 years of relevant training experience in Animal welfare after B.Sc. (B. V. Sc.) with 1 year of relevant industry experience in Animal welfare. OR 5 years of relevant training experience in Animal welfare after Post Graduation (Animal science)
3.	**Tools and Equipment Required for Training**	☒Yes ☐No (*If "Yes", details to be provided in Annexure*)
4.	**In Case of Revised Qualification, Details of Any Upskilling Required for Trainer**	NA

Section 4: Assessment Related

1.	**Assessor's Qualification and experience in relevant sector (in years)** *(as per NCVET guidelines)*	B. V. Sc. with 4 years of relevant experience in Animal Science/Veterinary Science /related experience OR M. V. Sc with 2 years of relevant experience in Animal Science/Veterinary Science /related experience

		OR Ph.D. in Veterinary Science/Animal Husbandry/ Veterinary Clinical Medicine/Veterinary Clinical Sciences) with 1 year of relevant experience in Animal Science/Veterinary Science /related experience
2.	**Proctor's Qualification and experience in relevant sector (in years)** *(as per NCVET guidelines)*	Diploma/Graduate (It is mandatory for a proctor to have technical knowledge/IT knowledge Once a proctor has been on-boarded by any AA, they are oriented about skill ecosystem along with do's and don'ts.)
3.	**Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years)** *(as per NCVET guidelines)*	M. V. Sc with 10 years of relevant experience in Animal Science/Veterinary Science /related experience
4.	**Assessment Mode** *(Specify the assessment mode)*	**Offline**
5.	**Tools and Equipment Required for Assessment**	☒ Same as for training ☒ Yes ☐ No *(details to be provided in Annexure-if it is different for Assessment)*

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	**Latest Skill Gap Study (not older than 2 years) (Yes/No):** Yes
2.	**Latest Market Research Reports or any other source (not older than 2 years) (Yes/No):** No
3.	**Government /Industry initiatives/ requirement (Yes/No):** Yes, Government Initiative, part of PMKVY 4.0
4.	**Number of Industry validation provided:** 5
5.	**Estimated nos. of persons to be trained and employed:** 2000
6.	**Evidence of Concurrence/Consultation with Line Ministry/State Departments:** Yes

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	**Annexure:** NCrF/NSQF level justification based on NCrF level/NSQF descriptors *(Mandatory)*	*Annexure-1*
2.	**Annexure:** List of tools and equipment relevant for qualification *(Mandatory, except in case of online course)*	*Annexure-2*
3.	**Annexure:** Detailed Assessment Criteria *(Mandatory)*	*Annexure-5*

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4.	**Annexure:** Assessment Strategy *(Mandatory)*	*Annexure-6*
5.	**Annexure:** Blended Learning *(Mandatory, in case selected Mode of delivery is "Blended Learning")*	*NA*
6.	**Annexure:** Multiple Entry-Exit Details *(Mandatory, in case qualification has multiple Entry-Exit)*	*NA*
7.	**Annexure:** Acronym and Glossary *(Optional)*	
8.	**Supporting Document:** Model Curriculum *(Mandatory – Public view)*	*Annexure-7*
9.	**Supporting Document:** Career Progression *(Mandatory - Public view)*	Veterinary Field Assistant/ Veterinary Clinical Assistant(L5)/ Livestock Green Management Promoter (L5)
10.	**Supporting Document:** Occupational Map *(Mandatory)*	*Annexure-8*
11.	**Supporting Document:** Assessment SOP *(Mandatory)*	*Annexure-9*
12.	**Any other document you wish to submit:**	

Annexure 1: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	• Controlling /restraining of animals • Veterinary Extension Services	The livestock service provider carry out various range of activities in routine like controlling/ restraining of animals, assisting government agencies in animal disease control, animal welfare, breed conservation and veterinary extension services.	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	• Assist in analysing of Animal Behaviour • Understanding of flight Zone • Administer appropriate emergency animal health operations	The livestock service provider need to know the basics off animal behaviour, possible stimulus and negative responses, the knowledge of flight zone, and point balance. They should also investigate and analyse stimuli and animal behaviour. They must have knowledge of vaccine administration and other healthcare operations	4
Employment Readiness & Entrepreneurship	• Provide veterinary first aid services • Implementation of animal breeding	The job holder is expected to recall and demonstrate practical skills in activities like use of veterinary first aid and implementation of animal breeding services in small	4

Skills & Mind-set/Professional Skill	• Implement preventive animal healthcare program	farm animals. They have to use tools and equipment to restrain animals. They have to perform routine and repetitive tasks like implementing regular preventive animal healthcare program.	
Broad Learning Outcomes/Core Skill	• Animal handling & safety guidelines • Use of Tools and equipment's to restrain animals • Maintain safe and healthy work environment • Maintain animal data record	The job holder is expected to correctly perform the tasks related to application of general principles of animal handling and safety guidelines, use of tools and equipments to restrain animals, to understand the safety issues in the work environment, and to communicate with farmers etc. individual requires communication skills with required clarity, and basic understanding of social, political and natural environment. They require basic writing skill for animal data recording	4
Responsibility	• Animal Development Programs • Marketing of livestock	The Job holder has responsibility of implementation of animal breeding services in small farm animals, development program implementation and marketing in livestock sector. They have some responsibility within defined limit, they neither have full responsibility of own work like in level 5 nor no responsibility like level 3.	4

Annexure 2: Tools and Equipment (Lab Set-Up)

List of Tools and Equipment

Batch Size: 30

S. No.	Tool / Equipment Name	Specification	Quantity for specified Batch size
1	Masks	Nos	30
2	Artificial Insemination Gun	Nos	1
3	Mineral Mixture	Kg	1
4	Subject Specific Posters	Nos	8
5	Oil Cakes	Kg	1

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6	Repository of short relevant skill videos (e.g. one showing specific animal behavior)	Nos	2
7	Video recording equipment	Nos	1
8	Animal First aid box	Nos	1
9	Rubber gloves	Nos	30
10	Safety Shoes	Nos	30
11	Ear Tags	Nos	5
12	Ear Tags Applicators	Nos	1
13	Animal Medicine Kit	Set	1
14	Vaccines	Types	5
15	Vaccinator	Nos	1
16	Casting Ropes (10-15 Meter)	Nos	1
17	Digital Thermometer	Nos	1
18	Fodder Samples (More than 2 types)	Grams	100
19	Commercial Compound Feed	Kg	1
20	Feed Ingredients Sample	Grams	100
21	Cotton Balls or Gauze	Nos	1
22	Grooming brush	Nos	1
23	Trevis	Nos	1
24	File (Reti)	Nos	1
25	Antibacterial Soaps	Nos	2
26	Scissors	Nos	2
27	Potassium Parmanganate (Lal Davai)	Grams	100

Classroom Aids

The aids required to conduct sessions in the classroom are:

1. Whiteboard
2. Markers

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Annexure 3: Industry Validations Summary

Provide the summary information of all the industry validations in table. This is not required for OEM qualifications.

S. No	Organization Name	Representative Name	Designation	Contact Address	Contact Phone No	E-mail ID	LinkedIn Profile *(if available)*
1	KVK Datia	Dr Awdhesh Singh	Senior Scientist & Head	Datia	9399935960	Kvk.datia@rvskvv.net	
2	KVK Gwalior	Dr Shailendra Singh Kushwah	Senior Scientist & Head	Gwalior	7067840763	Kvk.gwalior@rvskvv.net	
3	KVK Parbhani	Dr Imran Khan Aghai	Scientist (Animal Science)	Parbhani	9890016696	Kvkpbn94@yahoo.co.in	
4	KVK Sangvi	Mr. Wasudeo. Y. Chandurkar	SMS (Extension	Sangvi	7972162867	vasudeoextn@gmail.com	
5	KVK Golaghat	Dr Bhabesh Chandra Deka	Senior Scientist & Head	Golaghat	9435340387	Kvk_goalghat@aau.ac.in	

Annexure 4: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2022-23	500					
2023-24	500					
2024-25	1000					

Data to be provided year-wise for next 3 years

Training, Assessment, Certification, and Placement Data for previous versions of qualifications:

Qualification Version	Year	Total Candidates				Women				People with Disability			
		Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed	Trained	Assessed	Certified	Placed
3.0	2021-24	2053											

Applicable for revised qualifications only, data to be provided year-wise for past 3 years.

List Schemes in which the previous version of Qualification was implemented:

1. PMKVY

2. Non-PMKVY

Content availability for previous versions of qualifications:

☒ Participant Handbook ☒ Facilitator Guide ☐ Digital Content ☐ Qualification Handbook ☐ Any Other:

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Languages in which Content is available: Hindi and English

Annexure 5: Detailed Assessment Criteria

Detailed assessment criteria for each NOS/Module are as follows:

NOS/Module Name	Assessment Criteria for Performance Criteria/Learning Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
	Apply general principles of animal handling and safety	*5*	*10*		*5*
	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	*5*	*10*		*5*
	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. clean, disinfect, store and maintain assigned tools, equipment, and examination area as per SOP				
AGR/N4801: Carry out Controlling/restraining / examination of animals	*Examination of animals*	*20*	*30*		*10*
	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				
	PC.11 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				
	PC 14 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				
	Total Marks	30	50		20
	Animal identification and data recording	*5*	*12*		*3*

AGR/N4802 Carry out Vaccination and implementing regular preventive health care program	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 / specific area coverage for data collection as per given instruction				
	PC4. record and submit the data related to the health, production, and breeding of the animals attended to the appropriate authority on time as per format				
	Optimized disease management	3			2
	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)	3			2
	PC7. perform such actions/use products / follow the procedure prescribed in the guideline for the scheduled diseases				
	Communication of business/health risk and bio-security related information to the client.	3			2
	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	1	2		2
	PC10. schedule vaccination program appropriately, ensuring technical requirements related to the environment and convenience of farmer/client				
	Pre and post-vaccination care	3			2
	PC11. identify sick animals or animals not fit for vaccination				
	PC12. face any emergency situation following after vaccination				
	PC13. analyse and report side-effect (if any)				
	Handling and administration of vaccines	8	15		2
	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.	4	5		1
	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	1	2		2
	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	4	7		4
	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				
	Total Marks	35	43		22
AGR/N4805: Provide Veterinary First Aid and handling of common ailments	*Handling of non-infectious conditions like indigestion, anorexia, constipation, tympani, impaction, diarrhea etc.*	6	10		2
	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.	5	8		2
	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	5	10		2
	PC5. clean and protect the wound and stop bleeding				
	Handling of common ailments	10	20		6
	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.	4	8		2
	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				
	Total Marks	30	56		14
AGR/N4807: Assist government agencies in animal disease control with One Health approach	*Assistance in the implementation of surveillance programs and One Health initiatives*	4	3		3
	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		4		1
	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	3	3		4
	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)	*3*			*2*
	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 on livestock value chain/transport- related risky practices	2	3		2
	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	6			4
	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	5	5		3
	PC17. list benefit of early disease reporting				
	PC18. use a standard format for disease reporting				
	Sample collection	*8*	*10*		*2*

	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.	6	3		1
	PC23. practice humane culling methods as per direction of authority.				
	PC24. ensure scientific disposal of culled carcasses as per guidelines	*3*	*5*		*2*
	Supervise disinfection of farm premises / local area				
	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				
	Total Marks	40	36		24
AGR/N4808: Assist in veterinary extension services	*Promoting approved technology and best practices (including organic practices) in livestock farming, handling animal products*	*30*	*18*	*-*	*2*
	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	*10*	*10*	*-*	*2*
	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	*15*	*-*	*-*	*5*
	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		5		3
	PC11. use modern communication devices, audio-visual aids to explain farmers/clients				
	Total Marks	55	33		12
AGR/N4823 Assist in Animal Welfare, Breed Conservation, and Disaster Management	*Identifying and reporting cruelty to animals/birds*	5	3		2
	PC1. Identify and explain the cruelty for effective reporting				
	Supporting the management of human-animal conflict	3	5		2
	PC2.explain the stakeholders on common prevention and protection strategies related to the common conflict situation				
	Promotion of rearing of purebred indigenous animals	5	3		2
	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)	10	16		4
	PC4.ensure specific housing requirements of disabled, infirm animals				
	PC5.provide required care to recumbent animals				
	Supporting disaster preparedness and handling	22	13		5
	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				
	Total Marks	45	40		15
	Introduction to Employability Skills	1	1	-	-

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DGT/VSQ/N0102: Employability Skills (60 Hours)	PC1. identify employability skills required for jobs in various industries				
	PC2. identify and explore learning and employability portals				
	Constitutional values – Citizenship	1	1	-	-
	PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.				
	PC4. follow environmentally sustainable practices				
	Becoming a Professional in the 21st Century	2	4	-	-
	PC5. recognize the significance of 21st Century Skills for employment				
	PC6. practice the 21st Century Skills such as Self- Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life				
	Basic English Skills	2	3	-	-
	PC7. use basic English for everyday conversation in different contexts, in person and over the telephone				
	PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English				
	PC9. write short messages, notes, letters, e-mails etc. in English				
	Career Development & Goal Setting	1	2	-	-
	PC10. understand the difference between job and career				
	PC11. prepare a career development plan with short- and long-term goals, based on aptitude				
	Communication Skills	2	2	-	-
	PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings				
	PC13. work collaboratively with others in a team				
	Diversity & Inclusion	1	2	-	-
	PC14. communicate and behave appropriately with all genders and PwD				
	PC15. escalate any issues related to sexual harassment at workplace according to POSH Act				
	Financial and Legal Literacy	2	3	-	-

	PC16. select financial institutions, products and services as per requirement				
	PC17. carry out ofline and online financial transactions, safely and securely				
	PC18. identify common components of salary and compute income, expenses, taxes, investments etc				
	PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation				
	Essential Digital Skills	*3*	*4*	*-*	*-*
	PC20. operate digital devices and carry out basic internet operations securely and safely				
	PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively				
	PC22. use basic features of word processor, spreadsheets, and presentations				
	Entrepreneurship	*2*	*3*	*-*	*-*
	PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research				
	PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion				
	PC25. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity				
	Customer Service	*1*	*2*	*-*	*-*
	PC26. identify different types of customers				
	PC27. identify and respond to customer requests and needs in a professional manner.				
	PC28. follow appropriate hygiene and grooming standards				
	Getting ready for apprenticeship & Jobs	*2*	*3*	*-*	*-*
	PC29. create a professional Curriculum vitae (Résumé)				
	PC30. search for suitable jobs using reliable ofline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively				
	PC31. apply to identified job openings using ofline/online methods as per requirement				
	PC32. answer questions politely, with clarity and confidence, during recruitment and selection				

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	PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements				
	Total Marks	20	30	-	
	Grand Total	**297**	**317**		**134**
AGR/N4810 Facilitate program implementation and marketing in the livestock sector	*Facilitate implementation of government / private development programs including livestock insurance*	*10*	*13*		*7*
	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)	*5*	*10*		*5*
	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 convergence of development projects for synergy				
	Facilitate agri-livestock related economic activity of self-help groups	*10*	*5*		*10*
	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	*5*	*12*		*8*
	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				
	Total Marks	30	40	-	30
AGR/N4821: Implement animal breeding services in small farm animals	*Maintaining database of good animal breeders*				
	PC1. support farmers/clients with information on sourcing of good breeding animals				
	Assist farmers in quality animal selection / purchase				
	PC2. assist farmers/clients in selecting animals with the proper breed and other characteristics for breeding purposes				
	Conduct artificial insemination				
	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				
	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				
	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				
	Total Marks	47	37		16

Annexure 6: Assessment Strategy

This section includes the processes involved in identifying, gathering, and interpreting information to evaluate the Candidate on the required competencies of the program.

1. Assessment System Overview

In Agriculture Sector it is of ultimate importance that individuals dealing with crop production or livestock have the requisite knowledge and competencies to undertake the task. Based on the Assessment Criteria, SSC in association with empanelled AAs, define the test structure for the given job roles to cover the required skills and competencies. Assessment strategy consists of the following:

1. <u>Multiple Choice Questions</u> : To assess basic knowledge (Objective/Subjective)
2. <u>Viva</u> : To assess awareness on processes (Oral and/or written questioning)
3. <u>Practical</u> : To evaluate skills and identify competencies.(Observation)

Assessments for knowledge and awareness on processes may be conducted through 'real time' internet based evaluation or by conducting the same 'offline' through TABs. Skills and competencies are to be assessed by conducting 'practical' on ground through qualified and ToA certified assessors.

While it is important that an individual has adequate knowledge and skills to perform a specific task, weight age for different aspects for assessment are given as follows:

Multiple Choice Questions: 20%-30%, depending on the specific QP

Viva: 20%

Practical: 50% - 60% (Involves demonstrations of applications and presentations of procedures/tasks and other components)

Assessment will be carried out by certified assessors through empanelled assessment partners. Based on the results of assessment; ASCI will certify the learners/candidates

2. Testing Environment

Assessments are conducted on laptops, Mobiles and android tablets via both offline and online mode depending on the internet connectivity at assessment location.

In remote locations/villages, assessments get delivered through tablets without the requirement of Internet.

- Multilingual assessments (ASCI is conducting assessments in 13 + languages pan India)
- Rubric driven assessments in Practical/Viva sections and responses recorded accordingly
- All responses, data, records and feedback stored digitally on cloud
- Advanced auto-proctoring features – photographs, time-stamp, geographic-tagging, toggle-screen/copy-paste disabled, etc.
- Android based monitoring system
- End to end process from allocation of a batch to final result upload, there is no manual intervention
- Assessment will normally be fixed for a day after the end date of training / within 7 days of completion of training.
- Assessment will be conducted at the training venue
- Room where assessment is conducted will be set with proper seating arrangements with enough space to curb copying or other unethical activities
- Question bank of theory and practical will be prepared by ASCI /assessment agency and approved ASCI. Only from approved Question Bank assessment agency will prepare the question paper. Theory testing will include multiple choice questions, pictorial question, etc. which will test the trainee on his theoretical knowledge of the subject.
- The theory, practical and viva assessments will be carried out on same day. In case of more number of candidates, number of assessors and venue facilitation be increased and facilitated

Assessment			
Assessment Type	**Formative or Summative**	**Strategies**	**Examples**
Theory	Summative	MCQ/Written exam	Knowledge of facts related to the job role and functions. Understanding of principles and concepts related to the job role and functions
Practical	Summative	Structured tasks/Demonstration	Practical application /Demonstration /Application tasks
Viva	Summative	Questioning and Probing	Mock interviews on usability of job roles/advantages /importance of adherence to procedures. Viva will be used to gauge trainee's confidence and correct knowledge in handling job situation

The question paper pre-loaded in the computer /Tablet and it will be in the language as requested by the training partner.

3. Assessment Quality Assurance framework
Assessment Framework and Design:

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Based on the Assessment Criteria, SSC in association with AAs will define the test structure for the given roles to cover the required skills and competencies. ASCI offer a bouquet of tools for multi- dimensional evaluation of candidates covering language, cognitive skills, behavioral traits and domain knowledge.

Theoretical Knowledge - Item constructs and types are determined by theoretical understanding of the testing objectives and published research about the item-types and constructs that have shown statistical validity towards measuring the construct. Test item types which have been reported to be coachable are not included. Based on these, items are developed by domain experts. They are provided with comprehensive guidelines of testing objectives of each question and other quality measures.

Type – Questions based on Knowledge Required, Case-based practical scenario questions and automated simulation based questions.

Practical Skills - The practical assessments are developed taking into consideration two aspects: what practical tasks is the candidate expected to perform on the job and what aspects of the job cannot be judged through theoretical assessments. The candidates shall be asked to perform either an entire task or a set of subtasks depending on the nature of the job role

Type – Standardized rubrics for evaluation against set of tasks in a demo/practical task

Viva Voce - Those practical tasks which cannot be performed due to time or resource constraints are evaluated through the viva mode. Practical tasks are backed up with Viva for thorough assessment and complete evaluation

Type – Procedural questions, do's and don'ts, subjective questions to check understanding of practical tasks.

Assessor has to go through orientation program organized by Assessment Agency. The training would give an overview to the assessors on the overall framework of QP evaluation. Assessor shall be given a NOS and PC level overview of each QP as applicable. Overall structure of assessment and objectivity of the marking scheme will be explained to them. The giving of marks will be driven by an objective framework which will maintain standardization of marking scheme.

4. **Type of Evidence and Evidence Gathering Protocol:**

During the assessment the evidences collected by AAs and ASCI are:

- Geo Tagging to track ongoing assessment
- AA's coordinator emails the list of documents and evidences (photos and videos) to the assessor one day prior to the assessment. List is mentioned below:
    - Signed Attendance sheet
    - Assessor feedback sheet
    - Candidate feedback sheet
    - Assessment checklist for assessor
    - Candidate Aadhar/ID card verification
    - Pictures of classroom, labs to check the availability of adequate equipment's and tool to conduct the training and assessment
    - Pictures and videos of Assessment, training feedback and infrastructure.
- Apart from the Assessor, Technical assistant popularly known as Proctor also ensures the proper documentation and they verify each other's

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tasks.

- To validate their work on the day of assessment, regular calls and video calls are done.
- On-boarding and training of assessor and proctor is done on timely basis to ensure that quality of the assessment should be maintained.
- Training covers the understanding of QP, NSQF level, NOS and assessment structure

5. Methods of Validation

- Morning Check (Pre-Assessment): Backend team of AA calls and confirms assessor/technical spoc event status. Assessor/Technical spoc are instructed to reach the centre on time by 9:30 AM / as decided with TC and delay should be highlighted to the Training Partner in advance.
- Video Calls: Random video calls are made to the technical spoc/assessor so as to keep check on assessment quality and ensure assessment is carried out in fair and transparent manner
- Aadhar verification of candidates
- Evening Check (Post Assessment): Calls are made to the ground team to ensure event is over by what time and the documentation is done in proper manner or not.
- TP Calling: To keep check on malpractice activity, independent audit team calls to TP on recorded line to take confirmation if there was any malpractice activity observed in assessment on part of AA/SSC team. If calls are not connected, email is send to TP Spoc for taking their confirmation
- Video and Picture Evidence: Backend team collects video and pictures for assessment on real time basis and highlights any issue like, Students sitting idle/trainer allowed for helping out candidates during assessment.
- Surprise Visit: Time to time SSC/AA Audit team can visit the assessment location and do surprise audit for assessment process carried out by ground team.
- Geo Tagging: On day of assessment, each technical spoc is required to login in our internal app which is Geo tagged. Any deviation with centre address needs to be highlighted to assessment team on real-time basis.

Method for assessment documentation, archiving, and Access:
- ASCI has fully automated result generation process in association with multiple AAs
- Theory, Practical and Viva marks forms the basis of the results and encrypted files generated to avoid data manipulation. All responses captured and stored in System with Time-Stamps at the end of AAs and SSC. NOS-wise and PC-wise scores can be generated.
- Maker Checker concept: 1 person prepares results and other audit result which is internally approved by AA at first and then gets vetted at the end of SSC
- All soft copy of documents is received from the on-ground tech team over mail. The same are downloaded by our internal backend team and saved in Repository. The repository consists of scheme wise folders. These scheme wise folders have job role specific folders. These specific folders have Year wise and Month wise folders where all documents are saved in Batch specific folders. All Hard copies are filed and stored in storeroom.
- **Result Review & Recheck Mechanism –**
- Time stamped assessment logs
- Answer/Endorsement sheets for each candidate
- Attendance Sheet
- Feedback Forms: Assessor feedback form, Candidate feedback form, TP feedback form
- The results for each of the candidate shall be stored and available for review (retained for 5 years/ till conclusion of project or scheme)

Annexure: Acronym and Glossary

Acronym

Acronym	Description
AA	Assessment Agency
AB	Awarding Body
ISCO	International Standard Classification of Occupations
NCO	National Classification of Occupations
NCrF	National Credit Framework
NOS	National Occupational Standard(s)
NQR	National Qualification Register
NSQF	National Skills Qualifications Framework
OJT	On the Job Training

Glossary

Term	Description
National Occupational Standards (NOS)	NOS define the measurable performance outcomes required from an individual engaged in a particular task. They list down what an individual performing that task should know and also do.
Qualification	A formal outcome of an assessment and validation process which is obtained when a competent body determines that an individual has achieved learning outcomes to given standards
Qualification File	A Qualification File is a template designed to capture necessary information of a Qualification from the perspective of NSQF compliance. The Qualification File will be normally submitted by the awarding body for the qualification.
Sector	A grouping of professional activities on the basis of their main economic function, product, service or technology.
Long Term Training	Long-term skilling means any vocational training program undertaken for a year and above. https://ncvet.gov.in/sites/default/files/NCVET.pdf

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