



QUALIFICATION FILE

Dairy Farmer - Entrepreneur

☒ 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.

Table of Contents

Section 1: Basic Details	3
Section 2: Module Summary	5
NOS/s of Qualifications.....	5
Mandatory NOS/s:	5
Assessment - Minimum Qualifying Percentage.....	6
Section 3: Training Related.....	6
Section 4: Assessment Related.....	7
Section 5: Evidence of the need for the Qualification.....	8
Section 6: Annexure & Supporting Documents Check List.....	8
Annexure 1: Evidence of Level.....	9
Annexure 2: Tools and Equipment (Lab Set-Up)	10
Annexure 3: Industry Validations Summary	11
Annexure 4: Training & Employment Details	12
Annexure 5: Detailed Assessment Criteria	13
Annexure 6: Assessment Strategy	25
Annexure: Acronym and Glossary	29

Section 1: Basic Details

1.	Qualification Name	Dairy Farmer - Entrepreneur																
2.	Sector/s	Agriculture																
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing qualification: 2022/AGR/ASCI/06534 & Version 1.0	Qualification Name of existing/previous version: Dairy Farmer/ Entrepreneur															
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-03544-2025-V2-ASCI & Version 2.0	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 Dairy Farmer takes various decisions for the viability and sustainability of the dairy farm. He / She ensures proper care of dairy animals, their health and productivity, milking and marketing of the produced milk. The job is to be performed in an efficient manner to allow the production of high-quality milk and promote animal well-being and comfort																
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	a. Entry Qualification & Relevant Experience: <table border="1"> <thead> <tr> <th>S. No.</th> <th>Academic/Skill Qualification (with Specialization - if applicable)</th> <th>Required Experience (with Specialization - if applicable)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>12th or equivalent</td> <td></td> </tr> <tr> <td>2</td> <td>10th Class</td> <td>3 years of relevant experience in Agriculture and allied sectors</td> </tr> <tr> <td>3</td> <td>Previous NSQF Level 3.5</td> <td>1.5 years of relevant experience in Agriculture and allied sectors</td> </tr> <tr> <td>4</td> <td>Previous NSQF Level 3</td> <td>3 years of relevant experience in Agriculture and allied sectors</td> </tr> </tbody> </table>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	12th or equivalent		2	10th Class	3 years of relevant experience in Agriculture and allied sectors	3	Previous NSQF Level 3.5	1.5 years of relevant experience in Agriculture and allied sectors	4	Previous NSQF Level 3	3 years of relevant experience in Agriculture and allied sectors
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																
1	12th or equivalent																	
2	10th Class	3 years of relevant experience in Agriculture and allied sectors																
3	Previous NSQF Level 3.5	1.5 years of relevant experience in Agriculture and allied sectors																
4	Previous NSQF Level 3	3 years of relevant experience in Agriculture and allied sectors																
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrf))	13	11. Common Cost Norm Category (I/II/III) (wherever applicable): I															

12.	Any Licensing requirements for Undertaking Training on This Qualification <i>(wherever applicable)</i>	NA																						
13.	Training Duration by Modes of Training Delivery <i>(Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)</i>	☒ Offline ☐ Online ☐ Blended <table border="1"> <thead> <tr> <th>Training Delivery Modes</th> <th>Theory (Hours)</th> <th>Practical (Hours)</th> <th>OJT Mandatory (Hours)</th> <th>OJT Recommended (Hours)</th> <th>Total (Hours)</th> </tr> </thead> <tbody> <tr> <td>Classroom (offline)</td> <td>180</td> <td>180</td> <td>30</td> <td></td> <td>390</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i>					Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	180	180	30		390	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																			
Classroom (offline)	180	180	30		390																			
Online																								
14.	Aligned to NCO/ISCO Code/s <i>(if no code is available mention the same)</i>	NCO-2015/6121.0201																						
15.	Progression path after attaining the qualification <i>(Please show Professional and Academic progression)</i>	Dairy Farmer - Entrepreneur (L4), Dairy Farm Supervisor(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 <i>(Specify the NOS/Module which covers it)</i>	☒ 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 <i>(In case of CS or MS, provide details of both Lead AB & Supporting ABs)</i>	Name: Ms Purnambica. K Email: standards@asci-india.com Website: www.asci-india.com Contact No.: 0124-4670029																						
23.	Final Approval Date by NSQC: 18-02-2025	24. Validity Duration: 3 years post NSQC Approval			25. Next Review Date: 18-02-2028																			

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

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	Prepare and Maintain Livestock Accommodation	AGR/N4101 (v3.0)	Core	4	1	15	15			30	36	32	-	32	100	15
2	Establish Livestock within Accommodation	AGR/N4102 (v3.0)	Core	4	1	10	20			30	38	37	-	25	100	10
3	Prepare the feed and maintain feed and water supply	AGR/N4103 (v3.0)	Core	4	1	10	20			30	40	37	-	23	100	15
4	Maintain Health and Performance of Livestock	AGR/N4104 (v3.0)	Core	4	1	10	20			30	40	36	-	24	100	10
5	Perform Hand and Machine Milking	AGR/N4105 (v3.0)	Core	4	1	10	20			30	24	54	-	22	100	10
6	Ensure Proper Forage Conservation	AGR/N4106 (v3.0)	Core	4	1	10	20			30	40	40	-	20	100	10
7	Carry out breed improvement and reproduction management in livestock	AGR/N4114 (v 2.0)	Core	4	1	15	15			30	39	37	-	24	100	10
8	Carry out basic entrepreneurial activities for small enterprise	AGR/N4107 (v 3.0)	Non-Core	4	1	10	20			30	40	41	-	19	100	5
9	Engage in collective dairy farming/activity	AGR/N4121 (v 2.0)	Non-Core	4	1	15	15			30	30	40	-	30	100	5
10	Maintain health and safety at the workplace	AGR/N9903 (v 4.0)	Non-Core	4	1	15	15			30	40	25	-	35	100	5

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)
11	Employability Skills (60 Hours)	DGT/VSQ/N 0102 (v1.0)	Non-Core	4	2	60				60	20	30			50	5
12	OJT (Mandatory)				1			30		30						
Duration (in Hours) / Total Marks					13	180	180	30		390	387	409		254	1050	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)	12th Class with 3 years of relevant industry experience in Dairy Management* * Dairy farm supervisor with 3 Years' experience of working with registered Corporates or Not for Profit Organizations after 12th Pass OR Certificate (Regular VLDA (Veterinary livestock development assistant)) with 3 years of relevant industry experience in Dairy Management OR Diploma (Veterinary /Animal Husbandry / Dairying) with 3 years of relevant industry experience in Dairy Management** ** Regular Diploma more than 15 months in veterinary /Animal Husbandry / Dairying OR Graduate (Agriculture) with 2 years of relevant industry experience in Dairy Management*** *** For the school Program minimum qualification of the Trainer should be Graduate(Agriculture/ Zoology/Dairy) with minimum 3 years Teaching experience (will be considered industry experience) OR Bachelor of Veterinary Science (B. V. Sc.)
----	---	--

		OR Graduate (Dairy Science/ Dairy Technology) with no required industry experience
2.	Master Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	5 years of training experience in Dairy Management after Graduation (Agriculture) with 2 years of relevant industry experience OR 5 years of training experience in Dairy Management after Graduation (B. V. Sc.) with no required industry experience OR 5 years of training experience in Dairy Management after Graduation (Dairy Science/ Dairy Technology)
3.	Tools and Equipment Required for Training	☒ Yes ☐ No <i>(If "Yes", details to be provided in Annexure)</i>
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) <i>(as per NCVET guidelines)</i>	12th Pass (Science) with 7 years of relevant industry experience in Dairy Science/Animal Science/Veterinary Science or related experience OR B. V. Sc. with 4 years of relevant industry experience in Dairy Science/Animal Science/Veterinary Science or related experience OR B.Sc. (Animal Sciences/ Dairy Science/ Dairy Technology) with 5 years of relevant industry experience in Dairy Science/Animal Science/Veterinary Science or related experience OR M. V. Sc. with 2 years of experience in Dairy Science/Animal Science/Veterinary Science or related experience OR M Sc. (Animal Sciences/ Dairy Science/ Dairy Technology) with 2 years of experience in Dairy Science/Animal Science/Veterinary Science or related experience
2.	Proctor's Qualification and experience in relevant sector (in years) <i>(as per NCVET guidelines)</i>	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) <i>(as per NCVET guidelines)</i>	M. V. Sc. with 10 years of experience in Dairy Science/Animal Science/Veterinary Science or related experience OR M Sc. (Animal Sciences/ Dairy Science/ Dairy Technology) with 10 years of experience in Dairy Science/Animal Science/Veterinary Science or related experience
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Offline
5.	Tools and Equipment Required for Assessment	☒ Same as for training ☒ Yes ☐ No <i>(details to be provided in Annexure-if it is different for Assessment)</i>

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): Under PMKVY Scheme
3.	Government /Industry initiatives/ requirement (Yes/No): Government Initiative, part of PMKVY 4.0
4.	Number of Industry validation provided: 6
5.	Estimated nos. of persons to be trained and employed: 15000
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Awaited concurrence from Department of Animal Husbandry and Dairying, Ministry of Fisheries, Animal Husbandry and Dairying

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 <i>(Mandatory)</i>	<i>Annexure-1</i>
2.	Annexure: List of tools and equipment relevant for qualification <i>(Mandatory, except in case of online course)</i>	<i>Annexure-2</i>
3.	Annexure: Detailed Assessment Criteria <i>(Mandatory)</i>	<i>Annexure-5</i>
4.	Annexure: Assessment Strategy <i>(Mandatory)</i>	<i>Annexure-6</i>
5.	Annexure: Blended Learning <i>(Mandatory, in case selected Mode of delivery is "Blended Learning")</i>	<i>NA</i>

6.	Annexure: Multiple Entry-Exit Details <i>(Mandatory, in case qualification has multiple Entry-Exit)</i>	NA
7.	Annexure: Acronym and Glossary <i>(Optional)</i>	
8.	Supporting Document: Model Curriculum <i>(Mandatory – Public view)</i>	Annexure-7
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Dairy Farmer - Entrepreneur (L4), Dairy Farm Supervisor(L5)
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	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	- Preparation of Dairy Farm - Feed Management - Market Linkages	The Dairy Farmer Entrepreneur at this job role is responsible for dairy farm operations, which includes all predictable & routine processes from preparation of livestock accommodation to livestock establishment, feed management and selling of milk in the market. The individual is able to make decisions pertaining to their area of work, and work in situations of clear choice	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	- Optimise resource utilisation - Disease control and Farm Management - Perform waste management - Administer appropriate emergency procedures	The individual need factual knowledge of dairy farm operations and related matters such as feed and water management, livestock disease control, market prices	4

Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	- Procure the feed from suppliers - Maintain clean and safe workplace - New market development	The individual manages the operations and functions of farms mostly routine & predictable, such as providing feed and water for livestock, accommodating livestock, milking, marketing farm milk etc. using appropriate rule & tool keeping in consideration the quality aspects	4
Broad Learning Outcomes/Core Skill	- Manage farm Economics - Client relation Management - Record Keeping and Data management	In order to correctly perform the tasks related to farming economics and finances, client relation management, marketing, record keeping, to perform hand and machine milking health and safety, individual requires communication skills with required clarity, basic arithmetic skills and basic understanding of social, political and natural environment.	4
Responsibility	- Managing the health of livestock - Procuring, packing and transporting the produce - Sustainability of dairy farms	The individual works independently (entrepreneurial activity) and is responsible for own work (like maintaining health performance of self & livestock) & learning. They are not supervised by anyone else, nor do they have any responsibility for others' work and learning	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	Video recording equipment	Nos	1
2	Safety Shoes	Pair	1
3	Milk Container (For collecting milk while milching)	Nos	1
4	Cotton Gauge	Nos	1
5	Forceps	Nos	1
6	Iodine	ml	500
7	Chlorine solution	ml	500

8	Grooming brush	Nos	1
9	Test Tube for Milk Sampling	Nos	1
10	Digging tools (Fawada/ Khurpi)	Nos	1
11	Test Tube Rack	Nos	1
12	Green fodder (Oats, Berseem etc)	Nos	1
13	Face Masks	Kg	30
14	Chaff cutter	Nos	1
15	Rubber gloves	Nos	30
16	Milk strainer	Nos	1
17	Strip cup	Nos	1

The aids required to conduct sessions in the classroom are:

1. Whiteboard
2. Markers

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.	Centre for Microfinance	Amit Kumar	Head	Jaipur, Rajasthan		amit.kumar@cmfraj.org	
2.	QBOID IOTECH Pvt Ltd	Mr. Utkarsh Kapoor	Chief Executive Officer	Gurugram	8130215577	utkarsh@quboid.io	
3	Jordbrukare India Pvt Ltd	Dr. Simrandeep Singh	Coordinator Research			simrandeep.singh@jordbrukare.com	

4	Amar Singh College	Sanjay Kumar Gupta	Dean Department of Agriculture	Bulandshahr		ascollegelkt@gmail.com	
5	Post-Graduation Department of Agriculture	Dr. Randeep Kaur and Dr. Lavleen Kaur	Associate Professor and Assistant Professor	Amritsar	9915305271	lavleenkaur@khalsacollege.edu.in	
6	Apollo College of Veterinary Medicine	Dr. Charan Singh Sharma	Dean Department of Agriculture	Jaipur		apollovetjaipur@gmail.com	

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	150	60	20		
2023-24	500	150	60	20		
2024-25	500	150	60	20		

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
4.0	2024-25	11922	7800	7019	50	6737	3903	3689	36	0	0	0	0
4.0	2023-24	4707	3054	2944	50	2467	1544	1483	35	1	1	1	0
4.0	2022-23	1431	1389	1354	264	566	557	539	187	0	0	0	0

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. BSDM RPL- Animal Husbandry Department
3. MMKVY-Cat.-1
4. RAJKViK – Feebase
5. PMKUVA

6. District Mineral Foundation Trust (DMFT)
7. Rastriya Krishi Vikas Yojana (RKVY)
8. Directorate of Indian Army Veterans

Content availability for previous versions of qualifications:

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

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
AGR/N4101: Carry Out Preparation and Maintenance of Livestock Accommodation	<i>Carry out preparation of the livestock accommodation</i>	20	20	-	20
	PC1. prepare accommodation to achieve the livestock's well-being in accordance with relevant legislation and climatic requirement of the specific region				
	PC2. prepare equipment, tools and materials required for livestock accommodation				
	PC3. carry out cleaning and sanitation routine in accordance with the industrial norms				
	PC4. ensure to dispose of the waste material according to the established workplace procedures				
	<i>Carry out maintenance of the livestock accommodation</i>	16	12	-	12
	PC5. ensure the feed materials and supplies are replenished as required by the livestock				
	PC6. ensure the tools and equipment are cleaned and maintained according to the established workplace procedures				
	PC7. ensure the equipment required for livestock accommodation is stored safely and securely				
	PC8. identify and take appropriate action when encountering problems with the accommodation				
	PC9. take appropriate measures to minimize stress – heat stress, cold stress, overcrowding, environmental like Noise, strong winds				
	Total Marks	36	32	-	32
AGR/N4102: Establish Livestock within Accommodation	<i>Establish livestock in their accommodation</i>	22	23	-	15
	PC1. use suitable personal protective equipment when establishing livestock in their accommodation				

	PC2. check that the equipment, materials and accommodation are suitable for the reception of the livestock, prior to their arrival				
	PC3. develop suitable environmental conditions for the animals				
	PC4. handle and move the livestock correctly and safely, according to the supervisor's instructions				
	PC5. introduce livestock into the accommodation in a way that minimizes stress and maintains their health and welfare				
	PC6. solve any difficulties related to establishment of livestock accommodation				
	PC7. carry out work according to relevant codes of practice to establish best livestock accommodation				
	<i>Monitor livestock in their accommodation</i>	<i>16</i>	<i>14</i>	<i>-</i>	<i>10</i>
	PC8. monitor the livestock carefully, to ensure their ongoing health and welfare is maintained				
	PC9. monitor environmental conditions carefully to ensure that they promote the health and well-being of livestock				
	PC10. adjust and replenish materials as required by the livestock				
	PC11. arrange for regular cleaning of animal housing areas, floors and mats of animals (if any) according to the animal accommodation and specification				
	PC12. ensure cleaning routines of animals as per prescribed procedures				
	PC13. arrange for regular disposal of animal waste and other wastes as per prescribed procedures				
	PC14. adopt sustainable waste management practices including biogas or compost production from dairy waste				
	PC15. report problems that cannot be dealt with to the supervisor immediately				
	Total Marks	38	37		25
AGR/N4103: Prepare the feed and maintain feed and water supply	<i>Receive & Store Animal Feed</i>	<i>16</i>	<i>17</i>	<i>-</i>	<i>7</i>
	PC1. assess the quality, quantity, type and condition of delivered animal feed				
	PC2. report any shortfalls or faults in delivered animal feed to the appropriate person				
	PC3. store the feed safely according to the manufacturer's recommendations				

	PC4. assess stored animal feed regularly for any signs of rodent and pest infestation, fungal, mould growth and high moisture and report this to the appropriate person straight away				
	PC5. assess stock levels against critical levels regularly and tell the appropriate person if stocks are low				
	PC6. follow fodder cultivation schedule, sourcing in case of scarcity				
	PC7. conserve /store surplus fodder for use during scarcity periods				
	<i>Prepare feed and water supplies for livestock</i>	12	10	-	8
	PC8. sanitize hands, tools & equipment effectively before and after undertaking any work-related process				
	PC9. prepare appropriate proportions of feed and supplements depending on the age and growth stage and production of livestock ensuring minimum wastage				
	PC10. operate and maintain equipment used in feed preparation fodder cultivation, harvesting chaffing, conservation and dispensing				
	PC11. dispose of waste animal feed in a safe place keeping all the equipment and tools away				
	<i>Monitor the supply of feed & water to livestock</i>	12	10	-	8
	PC12. wear suitable personal protective equipment when preparing, providing feed and water to livestock				
	PC13. provide fresh and clean feed and water to the livestock based on the recommendations and requirements of the breed				
	PC14. monitor the quality of feed & water and take the appropriate action when problems occur				
	PC15. clean & maintain feed and water equipment according to established workplace procedures				
	PC16. monitor the water usage and take appropriate action in case of water wastage				
	Total Marks	40	37	-	23
AGR/N4104: Maintain Healthy Performance of Livestock	<i>Monitor the health and well-being of livestock</i>	20	15	-	14
	PC1. deal with livestock in a manner that minimizes the chance of stress and injury				
	PC2. provide livestock with sufficient space & area to move around and maintain their physical functioning				
	PC3. monitor the physical condition of the livestock at suitable intervals and identify, record and report any abnormal signs				
	PC4. inspect the livestock regularly for the presence of any parasites				

	PC5. plan disease prevention measures like vaccination (e.g., FMD, brucellosis), deworming schedules				
	PC6. provide assistance for any health-related emergency and initiate action appropriate to the situation				
	PC7. manage disposal of waste in a safe & secure manner ensuring the health and well-being of livestock				
	PC8. ensure livestock related records are accurate and complete which comply with organizational requirements for future reference				
	<i>Deliver basic recommended treatment to livestock</i>	21	17	-	13
	PC9. administer drugs, medication and other medical supplies in accordance with veterinary instructions and organizational policy				
	PC10. ensure deworming and vaccination as per schedule				
	PC11. use only fresh and uncontaminated prescribed medication for the intended animal				
	PC12. report any difficulty encountered while administering treatments immediately to the concerned person				
	PC13. maintain records of the treatments precisely according to established workplace procedures				
	PC14. monitor livestock after treatments and report concerns immediately to the concerned person				
	PC15. maintain relevant legislation, standards, policies and procedures in the workplace				
	PC16. practice recommended Ethnoveterinary remedies for common ailments				
	Total Marks	41	32	-	27
AGR/N4105: Performing Hand and Machine Milking	<i>Pre-Milking Activities</i>	12	19	-	7
	PC1. maintain conducive milking environment				
	PC2. restrain livestock for milking				
	PC3. ensure personal hygiene of milker and prepare udder before milking				
	PC4. check for mastitis				
	PC5. check and adjust milking equipment, as required				
	PC6. ensure correct livestock health treatments during drying off, as directed, with minimal stress and weight loss				
	PC7. follow proper livestock treatments during drying off period				
	<i>Milking Activities</i>	9	15	-	6
	PC8. develop a calm regular milking routine in livestock				

	PC9. implement milking procedures with minimum stress to livestock and maximum yield within reasonable timeframes				
	PC10. Troubleshoot minor issues in milking equipment (e.g., pulsators, liners).				
	PC11. rectify minor malfunctions of equipment and milking systems under guidance of technical expert				
	PC12. implement prescribed handling practices so as to prevent cross-infection during milking operations				
	<i>Post-Milking Activities</i>	9	15	-	8
	PC14. perform teat dipping to prevent mastitis				
	PC15. weigh and store the milk into milk can				
	PC16. clean the milking pail and keep them in the designated place				
	PC17. clean the milking machine and store in a hygienic place				
	Total Marks	30	49	-	21
AGR/N4106: Ensure Proper Forage Conservation	<i>Preparation for Fodder Conservation</i>	13	14	-	8
	PC1. explore various forage conservation options based on the year round requirement of feed and fodder, and availability of fodder				
	PC2. identify risk factors for spoilage in forage conservation such as fire, vermin and contamination in silage				
	PC3. ensure favorable conditions suitable for forage conservation				
	PC4. prepare forage conservation machinery and equipment in accordance with manufacturer's specifications, Occupational Health and Safety (OHS) requirements				
	PC5. ensure clear access to paddocks for harvesting and transport machinery				
	PC6. prepare storage facility for selected forage conservation type				
	PC7. arrange adequate quantities of additives and bailing/packing material				
	<i>Conservation of Forage</i>	20	20	-	9
	PC8. identify safety hazards and implement OHS (Occupational Health and Safety) procedures for forage conservation				
	PC9. Adopt eco-friendly measures for reducing effluent runoff during forage conservation				
	PC10. monitor weather conditions to determine optimum time for harvest and to ensure quality				
	PC11. identify dry matter target and assess dry matter content of forage material for the forage operation				

	PC12. mow, condition, tender and/or rake swaths depending on weather conditions and forage drying targets				
	PC13. conduct harvesting activities in a safe, controlled and efficient manner				
	PC14. check equipment during harvesting operations regularly for wear and damage				
	PC15. bale, wrap, compact, seal or store forage in accordance with storage plan				
	PC16. load, transport, and store/compact (if required) forage in accordance with OHS and quality requirements				
	PC17. store forage so as to minimize risk of spoilage and combustion				
	<i>Closing Operations</i>	7	6	-	3
	PC18. dispose of all waste and debris to minimize environmental impacts				
	PC19. clean and service machinery and ancillary equipment in accordance with manufacturer's specifications, OHS requirements and industry practice				
	PC20. test or sample stored forage for quality				
	PC21. mitigate environmental impacts of forage conservation activities such as effluent run off, rainwater, if any				
	Total Marks	40	40	-	20
AGR/N4114: Carry out breed improvement and reproduction management in livestock	<i>Breed improvement of livestock.</i>	20	20	-	10
	PC1. choose the appropriate breed improvement program as per state breeding policy and local topographical conditions				
	PC2. identify appropriate sources for procuring germplasm (semen/embryo)				
	PC3. identify appropriate germplasm as per breed improvement program				
	PC4. evaluate quality and sperm motility of semen using appropriate tools				
	PC5. adapt suitable measures for insemination of animals				
	PC6. store semen as per prescribed guidelines to maintain its quality				
	<i>Manage reproductive performance of livestock.</i>	19	17	-	14
	PC7. identify animals in heat ,recognize heat cycle and heat symptoms				
	PC8. assess reproductive health of animal in heat				
	PC9. schedule and arrange insemination for animals in heat				
	PC10. take post insemination measures for conception				

	PC11. identify animals who can be used to repeat breeding and assess the reasons for it				
	PC12. asses the reasons for abortion, its causes and follow remedies.				
	PC14. take appropriate action while addressing problems with the reproduction				
	Total Marks	39	37	-	24
AGR/N4107: Carry out basic entrepreneurial activities for small enterprise	<i>Planning and Budgeting of Dairy Farming</i>	12	16	-	6
	PC1. analyze the demand and supply of the relevant dairy products in the market				
	PC2.identify the target customers and assess their needs and expectations with respect to the quality and price of the produce				
	PC3. identify various types of dairy entrepreneurship/ business opportunities				
	PC4.plan milk production with the use of relevant and efficient technologies for availing funds				
	PC5. prepare a basic business plan for the agricultural entrepreneurship/business activities				
	PC6.identify appropriate and authentic advisory services/Government authority for skill upgradation to successfully plan and implement business activities				
	PC7. identify appropriate sources of funding for the agricultural entrepreneurship/ business				
	PC8. carry out planning and budgeting with reference to various components of a dairy farm				
	PC9. maintain books of accounts and various transactions of the farm				
	PC10. ensure arrangement of financial assistance from various sources and leverage various schemes available for dairy development				
	PC11.coordinate with the relevant government authorities to subscribe to the relevant government schemes and programs to benefit from them				
	PC12.ensure compliance with the government structural reforms and framework along with the applicable rules and regulations while setting up the dairy enterprise/ business				
	PC13. select and arrange the necessary resources for the business operations				

PC14. ensure the use of relevant and efficient production technologies as per planning and availability of funds				
PC15. follow the recommended practices for efficient input resource management				
PC16. optimise the production processes and output through the amalgamation of existing practices with smart technologies				
PC17. ensure the availability of proper collection and storage infrastructures and facilities of milk as per the industry quality standards				
<i>Market Information Management</i>	<i>28</i>	<i>25</i>	<i>-</i>	<i>13</i>
PC18. assess the prices of various inputs and milk products from the market				
PC19. collect information related to various subsidies/funds offered by the government, authorised state units and other financial institutions involved with the promotion of the produce				
PC20. assess the influence of various quality parameters on the price of milk				
PC21. identify the available milk marketing channels and select the best option				
PC22. establish network by developing cordial relations with various clients				
PC23. identify the needs of the client and develop one's unique selling proposition accordingly				
PC24. analyze critical market information that is otherwise not in the public domain				
PC25. choose appropriate buyer as per market situations				
PC26. use efficient post-production logistics means to improve the supply quantity, reduce the cost to the consumer, and increase demand consequently				
PC27. identify the best possible ways to position one's produce at premium prices				
PC28. Ensure transparent quality testing, before and during the sale activity to ensure good returns				
PC29. use the relevant digital services such as automated milk collection and testing, e- commerce, e-payments, electronic recordkeeping, etc.				
Total Marks	40	41	-	19

AGR/N4121: Engage in collective Dairy farming/activity	<i>Create Milk Producers' PGs/ FIGs/ SHGs</i>	6	8	-	6
	PC1. identify farmers/ groups with the common interests in milk production in the area				
	PC2. create Producer Groups (PGs)/Farmers Interest Groups (FIGs)/ Self-Help Groups (SHGs) of milk producers, following the applicable rules and regulations				
	<i>Prepare for the Milk Producers' PG/ FIG/ SHG operations</i>	6	10	-	6
	PC3. organise fundraising activities to support the functioning of the group				
	PC4. establish links with the local government at panchayat level to obtain access to the relevant development programmes and funds				
	PC5. induct subject matter experts (SMEs) in the group				
	PC6. assist in arranging the required Information and Communication Technology (ICT) products for the group				
	PC7. plan the commodity convergence with the relevant developmental programmes				
	PC8. plan optimal milk production to meet the market and household food security needs				
	<i>Conduct group meetings and training sessions</i>	8	6	-	8
	PC9. conduct the initial group meetings to introduce the members, discuss the group objectives, group income-generating enterprises/ activities, methods of operation, etc.				
	PC10. assist in exchanging the domain and technical knowledge such as market or price information, latest technology in milk collection, testing and payment processing, and resolving common issues or conflicts through the PG/ FIG/ SHG meetings				
	PC11. organise capacity building exercises such as skill development and training programmes				
	<i>Carry out collective Dairy farming/ activities</i>	10	16	-	10
	PC12. organise field trials to identify and resolve problems encountered by group members in the dairy farming operations				
	PC13. Arrange equipment for milk weighment, testing and payment processing using the funds for collective use of the group members				
	PC14. establish and manage the group-owned bank of fodder seeds/ feed supplements/ mineral mixture/ cattle feed/ semen/ tools equipment and consumables, etc.				

	PC15. use the group's credit facility as per the applicable terms and conditions				
	PC16. carry out relevant duties as per own role in the PG/FIG/ SHG such as the group leader/ secretary/ book-keeper, etc				
	PC17. co-ordinate within the group(s) in procuring inputs in bulk/small-scale farming, packing/transportation/marketing of the milk and milk products, etc.				
	PC18. assist in forming forward and backward linkages through the PGs/ FIGs/ SHGs				
	PC19. identify and follow the relevant practices to add value to the produce such as processing, packing, quality assurance, etc				
	PC20. arrange for the regular repair and maintenance of the tools, equipment/storage/ transport equipment etc				
	PC21. connect and partner with other groups to expand the network and address common problems at a large scale				
	PC22. connect with milk processors for regular and remunerative sale of milk and other produce				
	PC23. liaise with AH department officials and other such organisations for treatment of sick animals, AI and mobilizing other inputs for milk production enhancement				
	Total Marks	30	40	-	30
AGR/N9903: Maintain health and safety at the workplace	<i>Maintain personal hygiene</i>	10	5	-	10
	PC1. wash hands, legs and face with soap/alcohol based sanitizer at reasonable intervals				
	PC2. wash the worn clothes with soap and sun dry before use next time				
	PC3. ensure the face is covered with mask or three layers of cloth-piece				
	PC4. follow the workplace sanitization norms including distancing from sick people				
	<i>Maintain clean and safe workplace</i>	15	15	-	15
	PC5. carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor				
	PC6. wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy				
	PC7. follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards				

	PC8. assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices				
	PC9. sanitize equipment, tools and machinery before and after use				
	PC10. use equipment and materials safely and correctly and return the same to designated storage after use				
	PC11. dispose waste safely and correctly in the designated area				
	PC12. recognize risks to bystanders and take required action to reduce the risks				
	PC13. work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed				
	PC14. report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to reduce further danger				
	PC15. follow government / workplace advisories incase of outbreak of any disease/disaster				
	<i>Administer appropriate emergency procedures</i>	15	5	-	10
	PC16. follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements				
	PC17. use emergency equipment in accordance with manufacturer's specifications and workplace requirements				
	PC18. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques				
	PC19. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate				
	PC20. report details of first aid administered in accordance with workplace procedures				
	Total Marks	40	25	-	35
DGT/VSQ/N0102: Employability Skills (60 Hours)	<i>Introduction to Employability Skills</i>	1	1	-	-
	PC1. identify employability skills required for jobs in various industries				
	PC2. identify and explore learning and employability portals				
	<i>Constitutional values – Citizenship</i>	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				
<i>Becoming a Professional in the 21st Century</i>	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				
<i>Basic English Skills</i>	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				
<i>Career Development & Goal Setting</i>	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				
<i>Communication Skills</i>	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				
<i>Diversity & Inclusion</i>	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				
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement				
PC17. carry out offline and online financial transactions, safely and securely				
PC18. identify common components of salary and compute income, expenses, taxes, investments etc				
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation				
<i>Essential Digital Skills</i>	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				
<i>Entrepreneurship</i>	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				
<i>Customer Service</i>	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				
<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
PC29. create a professional Curriculum vitae (Résumé)				
PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively				
PC31. apply to identified job openings using offline/online methods as per requirement				
PC32. answer questions politely, with clarity and confidence, during recruitment and selection				
PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements				
Total Marks	20	30	-	
Grand Total	387	409		254

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. Multiple Choice Questions : To assess basic knowledge (Objective/Subjective)
2. Viva : To assess awareness on processes (Oral and/or written questioning)
3. Practical : 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:

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 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