



QUALIFICATION FILE

Aquaculture Technical Supervisor

☒ 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: 5

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	Aquaculture Technical Supervisor																			
2.	Sector/s	Agriculture																			
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing qualification: QG-05-AG-00313-2023-V1.1-ASCI & Version 1.1	Qualification Name of existing/previous version: Aquaculture Technical Supervisor																		
4.	a. OEM Name b. Qualification Name (Wherever applicable)																				
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-05-AG-03562-2025-V2-ASCI & version 2.0	6. NCrf/NSQF Level: 5																		
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	An Aquaculture Technical Supervisor (Also Known as Aquaculture Technician) is responsible for ensuring the preparation of the pond for aquaculture, maintaining a healthy growth of the cultured species and harvesting them using the recommended methods. The person may also use the Bio floc and Recirculating Aquaculture System (RAS) technologies.																			
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>UG Diploma or equivalent*</td> <td></td> </tr> <tr> <td>2</td> <td>UG Certificate*</td> <td>1.5 years of relevant experience in agriculture and allied sectors</td> </tr> <tr> <td>3</td> <td>12th Grade pass or equivalent</td> <td>3 years' relevant experience in agriculture and allied sectors</td> </tr> <tr> <td>4</td> <td>Previous relevant Qualification of NSQF Level 4</td> <td>3 years of relevant experience in agriculture and allied sectors</td> </tr> <tr> <td>5</td> <td>Previous relevant Qualification of NSQF Level 4.5</td> <td>1.5 years of relevant experience in agriculture and allied sectors</td> </tr> </tbody> </table> *in Agriculture and allied sectors, preferably fisheries science and related courses b. Age: 18		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	UG Diploma or equivalent*		2	UG Certificate*	1.5 years of relevant experience in agriculture and allied sectors	3	12th Grade pass or equivalent	3 years' relevant experience in agriculture and allied sectors	4	Previous relevant Qualification of NSQF Level 4	3 years of relevant experience in agriculture and allied sectors	5	Previous relevant Qualification of NSQF Level 4.5	1.5 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	UG Diploma or equivalent*																				
2	UG Certificate*	1.5 years of relevant experience in agriculture and allied sectors																			
3	12th Grade pass or equivalent	3 years' relevant experience in agriculture and allied sectors																			
4	Previous relevant Qualification of NSQF Level 4	3 years of relevant experience in agriculture and allied sectors																			
5	Previous relevant Qualification of NSQF Level 4.5	1.5 years of relevant experience in agriculture and allied sectors																			

10.	Credits Assigned to this Qualification, Subject to Assessment	Min: 16 Max:20	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																				
12.	Any Licensing requirements for Undertaking Training on This Qualification																						
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 <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>120</td> <td></td> <td>480</td> </tr> <tr> <td>Online</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> (Refer Blended Learning Annexure for details)				Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	180	180	120		480	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																		
Classroom (offline)	180	180	120		480																		
Online																							
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/6221																					
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	Aquaculture Technical Supervisor (L5), Aquaculture Manager (L6)																					
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: HI																					
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/N0103 (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: Ms Purnambica. K Email: standards@asci-india.com Contact No.: 0124-4670029 Website: www.asci-india.com																					

23.	Final Approval Date by NSQC: 18-02-2025	24. Validity Duration: 3 years post NSQC Approval	25. Next Review Date: 18-02-2028
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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	Undertake the pond preparation activities	AGR/N4916 (V3.0)	Core	5	3	30	60			90	30	40		30	100	30
2	Carry out aquaculture operations	AGR/N4917 (V4.0)	Core	5	3	30	60			90	30	40		30	100	40
3	Ensure health, hygiene and safety during culture operations	AGR/N4918 (V3.0)	Non-Core	5	3	30	60			90	30	40		30	100	25
4	Employability Skills (90 Hours)	DGT/VSQ/N0103 (V1.0)	Non-Core	5	3	90				90	20	30			50	5
5	OJT (Mandatory)				4			120		120						
Duration (in Hours) / Total Marks					16	180	180	120		480	110	150		90	350	100

Optional NOS: Biofloc technology

The table lists the modules and their duration corresponding to the Optional NOS of the QP

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.	Culture fish using the biofloc technology	AGR/N4959 (V2.0)	Core	5	2	20	40			60	30	40		30	100	20
Duration (in Hours) / Total Marks					2	20	40			60	30	40		30	100	20

Optional NOS: Recirculating aquaculture system

The table lists the modules and their duration corresponding to the Optional NOS of the QP

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)
2.	Set up and use the recirculating aquaculture system	AGR/N4960 (v2.0)	Core	5	2	20	40			60	30	40		30	100	20
Duration (in Hours) / Total Marks					2	20	40			60	30	40		30	100	20

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.) Set up and use the recirculating aquaculture system

Section 3: Training Related

1.	Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	10th Class with 5 years of relevant industry experience in Inland Fishery Production and management* * Aquaculture Technician/ Aquaculture Technical Supervisor with 5 Years' experience of working with registered Corporates or Not for Profit Organizations after 10th Pass OR Diploma (Regular Diploma more than 15 months in fisheries) with 3 years of relevant industry experience in Inland Fishery Production and management OR B. Sc (Zoology) with 3 years of relevant industry experience in Inland Fishery Production and management** ** For the school Program minimum qualification of the Trainer should be Graduate (Fisheries Science/Industrial Fish & Fisheries/Zoology). Their Teaching experience will be considered industry experience OR Graduate (Agriculture /Fisheries) with 2 years of relevant industry experience in Inland Fishery Production and management OR Bachelor of Fisheries Science/ B.Sc. (Industrial Fish & Fisheries)
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 Inland Fishery Production and management after B. Sc (Zoology) with 3 years of relevant industry experience in Inland Fishery Production and management OR 5 years of training experience in Inland Fishery Production after Graduation (Agriculture /Fisheries) with 2 years of relevant industry experience in Inland Fishery Production and management OR 5 years of training experience in Inland Fishery Production after Bachelor of Fisheries Science/ B.Sc. (Industrial Fish & Fisheries)
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>	Bachelor of Fisheries Science with 4 years of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields
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		OR B.Tech (Fisheries Engineering and related streams) with 4 years of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields OR Graduation (Fisheries and related streams) with 5 years of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields OR M. Tech (Aquacultural engineering/Fisheries Engineering and related streams) with 2 years of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields OR Masters of Fisheries Science with 2 years of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields OR M.Sc (Fisheries and related streams) with 2 years of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields OR PhD (Fisheries Science and related streams) with 1 year of relevant industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields
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>	Post-Graduation (Fisheries and related streams) with 10 years of industry experience in Fisheries Science/Zoology/Aquaculture/ Applied aquaculture/ Marine Biology or related streams and fields
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): No
3.	Government /Industry initiatives/ requirement (Yes/No): Yes
4.	Number of Industry validation provided: 5
5.	Estimated nos. of persons to be trained and employed: 1500
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 <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>	NA
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>	<i>Annexure-7</i>
9.	Supporting Document: Career Progression <i>(Mandatory - Public view)</i>	Aquaculture Technical Supervisor (L5), Aquaculture Manager (L6)
10.	Supporting Document: Occupational Map <i>(Mandatory)</i>	<i>Annexure-8</i>
11.	Supporting Document: Assessment SOP <i>(Mandatory)</i>	<i>Annexure-9</i>
12.	Any other document you wish to submit:	NA

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
Process	• Prepare the pond for aquaculture • Undertake pre-stocking activities • Carry out post-stocking activities • Carry out nutrient management • Carry out disease management • Construct the biofloc tank • Prepare for stocking seed • Set up the RAS	An Aquaculture Technical Supervisor is responsible for ensuring the preparation of the pond for aquaculture, maintaining a healthy growth of the cultured species and harvesting them using the recommended methods. The person may also use the Biofloc and Recirculating Aquaculture System (RAS) technologies..	5
Professional Knowledge	• Use and maintain the RAS • Promote inclusion at work • Perform nutrition management • Perform disease management	The job holder is required to have knowledge of facts, principles, processes and general concepts in a field of work or study. He/She requires the knowledge of soil and water quality requirement for culture, maintenance of plankton productivity through fertilization and manuring, pre-stocking pond preparation, seed stocking, post-stocking culture operation, liming, manuring, fertilization, supplementary method of maintaining safety fertilizers to be applied to the pond at different stage of culture operation, choose appropriate measures for controlling aquatic insects prior to seed stocking, ensure seed stocking after due acclimatization	5
Professional Skill	• Optimise resource utilisation • Carry out waste management • Carry out harvesting and post-harvest management • Arrange the required resources	The job holder is expected to skills required to decide on the correct methods to be used for pond preparation activities and culture of aquatic organisms, plan and organize the work order and jobs received from the manager, plan to utilize time effectively, manage good relationships with manager and farm staff, study the problem and provide the best solution, immediately identify problems and solve them.	5
Core Skill	• Supervise harvesting and post-harvest management • Maintain personal hygiene and safety • Maintain the health of cultured organisms • Stock seed in the culture tank • Arrange the required resources	The job holder should be able to read internal information documents sent by internal teams, read equipment manuals and process documents to understand the equipment operation and process requirement, record and maintain all the information regarding farming, record information on water treatment and fertilization of ponds, effectively communicate with the staff and colleagues. The job holder should supervise various activities including harvesting process, maintenance of cultured organisms.	5

Responsibility	- Preparation of pond - Maintaining growth of cultures species - Useage of Biofloc and Recirculating Aquaculture System (RAS) technologies.	An Aquaculture Technical Supervisor is responsible for ensuring the preparation of the pond for aquaculture, maintaining a healthy growth of the cultured species and harvesting them using the recommended methods. The person may also use the Biofloc and Recirculating Aquaculture System (RAS) technologies.	5
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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.	Goggles	Nos	2
2.	Pelletiser	Nos	1
3.	Video Recording Equipment	Nos	1
4.	Water pump	Nos	1
5.	Aerators	Nos	1
6.	Mechanical filters (Leaf filters)	Nos	2
7.	Air oxygen diffusors	Nos	1
8.	Tubes	Nos	5
9.	Dip net	Nos	3
10.	Gumboots	Nos	5
11.	Face Masks	Nos	30
12.	Rubber gloves	Nos	30
13.	Profi feeders	Nos	1
14.	Weed eradication equipments	Nos	1

Classroom Aids

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	Kailash Fisheries and Aquatics	Akshya Kumar Sahu	Proprietor	M/s. Kailash Fisheries and Aquatics Astapura, Baisinga, Mayurbhanj, Odisha	9437147897	akshyakumarsahu1977@gmail.com	
2	KVK Tondapur, Hingoli	Dr.P.P.Shelke	Senior Scientist and Head.	Krishi Vigyan Kendra, Tondapur Ta. Kalamnuri Distt Hingoli	9765390976	kvkHINGOLI@gmail.com, ppsHELKE@gmail.com	
3	KVK kashipur- U.S Nagar	Dr. S.K.Sharma	Professor (Fisheries Science)	Krishi vigyan kendra ,kashipur distt: udham singh nagar-	9412926530	kvkkashipur@gmail.com/sk03 sharma@gmail.com	
4	Shree Kailash Agrovet Pvt. Ltd.	Pratima Sahu	Managing Director	plot no-82, At-Astapura, Mahulpatna, Baisinga, Mayurbhanj, Odisha	8144261863	pratimaasahu@gmail.com	
5	Krishi Vigyan Kendra, Changlang	Dr. Devendra singh	Senior scientist & Head	Krishi Vigyan Kendra, Near World War II Cemetery, P.O. Jairampur, district Changlang,		kvkchanglang@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
2024-25	500					
2025-26	500					
2026-27	500					

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	2024-25	271	260	190	0	122	119	109	0	0	0	0	0

3.0	2023-24	232	224	193	0	22	22	18	0	0	0	0	0
	2022-23	0	0	0	0	0	0	0	0	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. NFDB
- 2. Fee based-RPL

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/N4916: Ensure the preparation of pond activities	<i>Prepare the pond for aquaculture</i>	12	16		12
	PC1. co-ordinate with an authorised lab to test the level of organic matters and pH in the soil sample collected from the culture pond				
	PC2. instruct the workers to apply basal manure, lime, gypsum or any other necessary soil treatment in the recommended quantity to improve the soil fertility as advised by the lab				
	PC3. instruct the workers to use the appropriate Personal Protective Equipment (PPE) while applying chemicals in the pond				
	PC4. arrange for de-mudding to be carried out in the pond				
	PC5. instruct the workers to scrapp and remove the dried flakes of deposited organic matter from previous crops from the dried bottom				
	PC6. instruct the workers to drain out and sun-dry the perennial pond				
	PC7. arrange for dykes of recommended height to be constructed at the pond	-	-	-	-
	PC8. ensure inlet and outlet pipes are installed in the pond for efficient entry and exit of the water	-	-	-	-
	PC9.ensure the aquatic weed is removed from the pond	-	-	-	-
	PC10. arrange for treatment of water stored in the reservoir with appropriate treatment such as chlorine prior to release in culture pond	-	-	-	-
	PC11. ensure the culture pond is filled with treated water to the required level				
	<i>Carry out pre-stocking and stocking activities</i>	10	12	-	8
	PC12.select the appropriate methods to eradicate predatory and unwanted fish from the pond	-	-	-	-
	PC13.select an appropriate method to apply lime and recommended fertilizers in the pond at different stages of culture operations	-	-	-	-
	PC14.arrange for the appropriate treatment to be applied for controlling aquatic insects before stocking seeds				
	PC15.arrange to put net covering or any bird scaring device to protect seed from predation	-	-	-	-
	PC16.arrange for acclimatisation of seeds before stocking	-	-	-	-
	PC17.instruct the workers to stock the seeds maintaining the recommended density, depth and species ratio for the species to be cultured	-	-	-	-
	<i>Optimise resource utilisation</i>	8	12	-	10

	PC18. instruct the workers to follow the recommended practices to reduce the loss of water from the culture pond	-	-	-	-
	PC19. ensure lime or other approved disinfectant is used to treat the wastewater for recycling	-	-	-	-
	PC20. check the quality parameters of the treated water for its suitability for re-use	-	-	-	-
	PC21. arrange for the recycled water to be used for the appropriate culture practices	-	-	-	-
	PC22. optimise the usage of water and relevant materials in various tasks and processes, ensuring the workers also do the same	-	-	-	-
	NOS Total	30	40		30
AGR/N4917: Carry out aquaculture operations	<i>Ensure post-stocking activities</i>	6	10		4
	PC1. arrange for appropriate type and dosage of manure, fertilizer and lime to be applied in the pond	-	-	-	-
	PC2. ensure periodic sampling of the soil, water and fish	-	-	-	-
	PC3. perform netting for efficient growth, health and feed management of fish	-	-	-	-
	PC4. ensure aeration and water replenishment in the culture pond at the recommended intervals	-	-	-	-
	<i>Ensure nutrient management</i>	6	8		6
	PC5. Identify the feed requirement of the cultured species at various stages of their growth	-	-	-	-
	PC6. procure the prepared feed or the feed ingredients to prepare the feed in a timely manner	-	-	-	-
	PC7. determine the dose of supplementary feed and instruct the workers to carry out split feeding as per the requirement	-	-	-	-
	PC8. ensure the stocked culture species are fed with wet feed/ floating feed/ pellets containing the required nutrients such as protein and supplementary feed ingredients	-	-	-	-
	PC9. check that the recommended feeding schedule for different culture species is being followed	-	-	-	-
	PC10. identify rancidity in feed and arrange for rancid feed to be disposed appropriately	-	-	-	-
	<i>Ensure disease management</i>	6	8		6
	PC11. implement the recommended preventive and prophylactic measures in the culture pond	-	-	-	-
	PC12. check the pond to identify diseased or dying fish	-	-	-	-
	PC13. diagnose the problem/disease and consult a specialist for a solution	-	-	-	-
	PC14. instruct the workers to separate the diseased fish from the healthy fish and put them in a quarantine tank to prevent disease outbreak	-	-	-	-

	PC15.supervise the uniform application of appropriate therapeutics in recommended quantity	-	-	-	-
	PC16. follow the recommended therapeutic practices based on the type and severity of disease/ infection	-	-	-	-
	PC17. monitor the condition of fish in the quarantine tank for signs of improvement				
	<i>Supervise harvesting and post-harvest management</i>	8	8		10
	PC18. check the fish stocked in the pond to identify its maturity	-	-	-	-
	PC19.select an appropriate time to harvest the cultured fish	-	-	-	-
	PC20.instruct the workers to use nets of appropriate mesh size to harvest the cultured fish	-	-	-	-
	PC21.follow the recommended method for partial/ complete harvesting	-	-	-	-
	PC22.arrange for the harvested stock to be stored at the recommended temperature, Relative Humidity (RH) and hygienic conditions	-	-	-	-
	PC23.follow the recommended practices to ensure minimum handling of the stock between harvesting and transportation	-	-	-	-
	PC24.arrange for the harvested fish to be stored in appropriate containers/ tanks for transportation, ensuring minimum stress during transit	-	-	-	-
	<i>Perform waste management</i>	4	6		4
	PC24.segregate waste into appropriate categories	-	-	-	-
	PC25.ensure that non-recyclable waste is disposed appropriately	-	-	-	-
	PC26.arrange for the recyclable and reusable materials to be recycled	-	-	-	-
	NOS TOTAL	30	40		30
AGR/N4918: Ensure health, hygiene and safety during culture operations	<i>Ensure the upkeep of water body, tools and equipment</i>	10	12		8
	PC1.ensure the necessary practices are followed to protect the aquaculture farm and dykes from erosion and natural calamities such as flood and storms	-	-	-	-
	PC2.ensure protection of the cultured organisms from water/ air/ fomite borne diseases and contamination from handling	-	-	-	-
	PC3.identify and eliminate common predators and preying organisms from the water body	-	-	-	-
	PC4.ensure fences are erected to protect the water body from external threats	-	-	-	-
	PC5.restrict the entry of unauthorised persons into the aquaculture area	-	-	-	-
	PC6.follow the recommended practices to prevent the escape of cultured organisms from the culture pond/ tank	-	-	-	-
	PC7.conduct regular tests to ensure the appropriate soil and water quality parameters are maintained in the water body	-	-	-	-
	PC8.ensure all the nets, vessels, tools and equipment are cleaned and de-contaminated regularly	-	-	-	-

	<i>Maintain personal hygiene and safety</i>	10	12		12
	PC9.ensure basic safety checks are undertaken before the operation of any tools and equipment	-	-	-	-
	PC10.ensure the use of relevant Personal Protective Equipment (PPE) during various aquaculture operations	-	-	-	-
	PC11.use the recommended soap/ sanitiser to sanitise the hands and ensure the other personnel also use it				
	PC12.follow the standard procedures to deal with accidents and emergencies	-	-	-	-
	PC13.use the first-aid kit to provide appropriate treatment in case of any injuries	-	-	-	-
	PC14.co-ordinate with the emergency services for further medical attention	-	-	-	-
	<i>Maintain the health of cultured organisms</i>	10	16		10
	PC15.follow the recommended prophylactic measures and ensure hygienic conditions during all the stages of growth of the cultured organisms	-	-	-	-
	PC16.examine the cultured organisms regularly to detect the symptoms of parasites, pathogenic infections, phenotypic disorders, etc.	-	-	-	-
	PC17.ensure the necessary medicines/ chemicals are applied as per prescription, maintaining the toxicity levels within the prescribed limits	-	-	-	-
	PC18.use the recommended therapeutic practices in combination with the prescribed treatment for the speedy recovery of the diseased organisms	-	-	-	-
	PC19.identify a quarantine area and arrange for the diseased organisms to be quarantined and treated	-	-	-	-
	PC20.co-ordinate with an expert to deal with unexpected disease outbreak among the cultured organisms	-	-	-	-
	PC21.ensure timely removal of the dead and moribund organisms from the water body	-	-	-	-
	PC22.arrange for safe disposal of the dead and diseased organisms	-	-	-	-
	NOS Total	30	40		30
DGT/VSQ/N0103: Employability Skills (90 Hours)	<i>Introduction to Employability Skills</i>	1	1	-	-
	PC1. understand the significance of employability skills in meeting the current job market requirement and future of work	-	-	-	-
	PC2. identify and explore learning and employability relevant portals	-	-	-	-
	PC3. research about the different industries, job market trends, latest skills required and the available opportunities	-	-	-	-
	<i>Constitutional values – Citizenship</i>	1	1	-	-
	PC4. 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.	-	-	-	-
PC5. follow environmentally sustainable practices	-	-	-	-
<i>Becoming a Professional in the 21st Century</i>	1	3	-	-
PC6. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC7. 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	-	-	-	-
PC8. adopt a continuous learning mindset for personal and professional development	-	-	-	-
<i>Basic English Skills</i>	3	4	-	-
PC9. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC10. read and understand routine information, notes, instructions, mails, letters etc. written in English	-	-	-	-
PC11. write short messages, notes, letters, e-mails etc. in English	-	-	-	-
<i>Career Development & Goal Setting</i>	1	2	-	-
PC12. identify career goals based on the skills, interests, knowledge, and personal attributes	-	-	-	-
PC13. prepare a career development plan with short- and long-term goals	-	-	-	-
<i>Communication Skills</i>	2	2	-	-
PC14. follow verbal and non-verbal communication etiquette while communicating in professional and public settings	-	-	-	-
PC15. use active listening techniques for effective communication	-	-	-	-
PC16. communicate in writing using appropriate style and format based on formal or informal requirements	-	-	-	-
PC17. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	1	-	-
PC18. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC19. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-

	PC20. identify and select reliable institutions for various financial products and services such as bank account, debit and credit cards, loans, insurance etc.	-	-	-	-
	PC21. carry out offline and online financial transactions, safely and securely, using various methods and check the entries in the passbook	-	-	-	-
	PC22. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
	PC23. identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
	<i>Essential Digital Skills</i>	3	5	-	-
	PC24. operate digital devices and use their features and applications securely and safely	-	-	-	-
	PC25. carry out basic internet operations by connecting to the internet safely and securely, using the mobile data or other available networks through Bluetooth, Wi-Fi, etc.	-	-	-	-
	PC26. display responsible online behaviour while using various social media platforms	-	-	-	-
	PC27. create a personal email account, send and process received messages as per requirement	-	-	-	-
	PC28. carry out basic procedures in documents, spreadsheets and presentations using respective and appropriate applications	-	-	-	-
	PC29. utilize virtual collaboration tools to work effectively	-	-	-	-
	<i>Entrepreneurship</i>	2	3	-	-
	PC30. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
	PC31. develop a business plan and a work model				
	PC32. identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
	<i>Customer Service</i>	1	2	-	-
	PC33. identify different types of customers and ways to communicate with them	-	-	-	-
	PC34. identify and respond to customer requests and needs in a professional manner	-	-	-	-
	PC35. use appropriate tools to collect customer feedback	-	-	-	-
	PC36. follow appropriate hygiene and grooming standards	-	-	-	-

	<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
	PC37. create a professional Curriculum vitae (Résumé)	-	-	-	-
	PC38. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
	PC39. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
	PC40. answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
	PC41. identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
	NOS Total	20	30	-	-
AGR/N4959: Culture fish using the biofloc technology (Optional)	<i>Arrange the required resources</i>	6	6	-	4
	PC1. identify various materials required for constructing a biofloc tank such as PVC tarpaulin, binding wires, PVC pipes, elbows, ball valves, pipe end cap, etc.	-	-	-	-
	PC2. select a vendor for purchasing the material based on the quality and price of the material	-	-	-	-
	PC3. purchase the material as per the requirement and store them safely	-	-	-	-
	<i>Set up the biofloc tank</i>	6	8	-	4
	PC4. select a site with the required temperature and sunlight exposure for the construction of biofloc tank	-	-	-	-
	PC5. prepare the design of biofloc tank in an appropriate shape as per the quantity of fish to be cultured	-	-	-	-
	PC6. set up the biofloc tank using the recommended material and as per the prepared design	-	-	-	-
	PC7. set up water outlets for removing the sludge and other solid waste from the biofloc tank	-	-	-	-
	PC8. install the aerator pumps, air cylinder, air diffusers, air pipes, air controllers and ball valves	-	-	-	-
	<i>Prepare for stocking the seeds</i>	8	6	-	4
	PC9. treat the water with chlorine or an appropriate disinfectant before filling in the biofloc tank.	-	-	-	-
	PC10. fill in the biofloc tank with treated water to the recommended level	-	-	-	-
	PC11. Apply the necessary treatment in the water such as raw salt to adjust the TDS and pH levels	-	-	-	-

PC12.apply the recommended carbon sources, prebiotics, probiotics and immuno-stimulants in the recommended quantity	-	-	-	-
<i>Stock the seeds</i>	2	4	-	4
PC13.select the fish species suitable for biofloc aquaculture	-	-	-	-
PC14.calculate the optimum stocking density for the selected fish species	-	-	-	-
PC15.procure healthy seed stock of the selected fish species	-	-	-	-
PC16.sanitise the fish seed stock before stocking in the biofloc tank	-	-	-	-
PC17.stock the fish seed in the biofloc tank maintaining the required stocking density	-	-	-	-
<i>Perform nutrition management</i>	2	4	-	2
PC18.identify the feed requirement of the stocked fish and feed them maintaining the required level of nutrients	-	-	-	-
PC19.follow the recommended practices to maintain the feed conversion ratio	-	-	-	-
PC20.add dietary supplements in the feed as per the requirement	-	-	-	-
<i>Perform disease management</i>	2	4	-	6
PC21.implement the necessary preventive measures as per the biofloc technology to control disease in the biofloc tank	-	-	-	-
PC22.carry out regular sampling of the fish in the tank to ensure its optimum growth and identify signs of disease and stress	-	-	-	-
PC23.quarantine the diseased fish in a separate tank	-	-	-	-
PC24.apply the recommended treatment to treat the diseased fish	-	-	-	-
<i>Carry out harvesting and post-harvest management</i>	4	8	-	6
PC25. check the maturity indicators of the fish stocked in the tank	-	-	-	-
PC26.harvest the fish partially or completely using the recommended method	-	-	-	-
PC27.perform icing of the fish after being harvested				

		-	-	-	-
	PC28. store the harvested fish under the recommended temperature and Relative Humidity (RH)	-	-	-	-
	PC29. pack the harvested fish in appropriate container ensuring hygiene	-	-	-	-
	PC30. arrange an appropriate mode of transport to transport the fish to the target market, ensuring minimum strain and muscle damage to the fish during transit	-	-	-	-
	PC31. implement the relevant measures to minimise the extent of manual handling of the fish	-	-	-	-
	PC32. maintain the record of the fish raised and harvested using the biofloc technology	-	-	-	-
	NOS Total	30	40	-	30
AGR/N4960: Set up and use the recirculating aquaculture system (Optional)	<i>Arrange the required resources</i>	8	10	-	10
	PC1. identify various resources required for setting up the RAS such as tank construction material, mechanical filter, bio-filter, water pump, oxygenator, aerator, etc.	-	-	-	-
	PC2. select a vendor based on the quality and price of the material	-	-	-	-
	PC3. purchase the material as per the requirement and store them safely	-	-	-	-
	PC4. ensure adequate availability of quality water and uninterrupted supply of electricity to operate various RAS equipment	-	-	-	-
	PC5. arrange for power back-up/ electricity generator to deal with power cuts	-	-	-	-
	PC6. maintain the record of purchase and payment	-	-	-	-
	<i>Set up the RAS</i>	6	10	-	6
	PC7. set up a circular/ rectangular/ oval fish culture tank of the required capacity according to the available space, quantity of fish to be cultured and their water requirement	-	-	-	-
	PC8. use durable material such as concrete, plastic or metal to construct the tank	-	-	-	-
	PC9. ensure the tank has an outlet with the mesh screen of appropriate mesh size	-	-	-	-
	PC10. install the mechanical filter at the fish culture tank to remove the solids such as faeces, sediment, uneaten feed from the water discharged from the tank	-	-	-	-

PC11.set up the bio-filter to remove ammonia from water and convert it into nitrogen	-	-	-	-
PC12.install the oxygenation and aeration devices to re-oxygenate and aerate the water	-	-	-	-
PC13.set up the water pump to pump oxygenated and aerated water into the culture tank	-	-	-	-
<i>Stock seeds in the culture tank</i>	8	10	-	8
PC14.fill in the culture pond with treated water to the recommended level	-	-	-	-
PC15.stock appropriate species of fish suitable for RAS such as barramundi, carp fish, perch, catfish, white fish, tilapia, etc	-	-	-	-
PC16.maintain the recommended stocking density in the culture tank	-	-	-	-
PC17.apply lime and other recommended treatment such as probiotics and immuno- stimulants in the recommended quantity in the tank	-	-	-	-
<i>Use and maintain the RAS</i>	8	10	-	6
PC18.supply oxygenated water into the tank in the required quantity	-	-	-	-
PC19.maintain the recommended pressure while supplying water into the tank	-	-	-	-
PC20.carry out stripping in the culture tank with the use of aerator to clear the accumulated gases	-	-	-	-
PC21.sample water in the culture tank regularly to ensure appropriate quality parameters are maintained	-	-	-	-
PC22.clean the mesh screen installed in the tank regularly	-	-	-	-
PC23.clean/ flush the mechanical and bio filters regularly to prevent the accumulation of sludge and biological waste	-	-	-	-
PC24.carry out minor repairs in a RAS and co- ordinate with a technician for complex repair needs	-	-	-	-
PC25.maintain the record of repair and maintenance	-	-	-	-
NOS Total	30	40		30

Annexure 6: Assessment Strategy

as 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 empaneled 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-Stamped 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