



QUALIFICATION FILE

Fisheries Extension Associate

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

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

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

NCrF/NSQF Level: 4

Submitted By:

Agriculture Skill Council of India

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

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Section 1: Basic Details

1.	Qualification Name	Fisheries Extension Associate																			
2.	Sector/s	Agriculture																			
3.	Type of Qualification: <input type="checkbox"/> New <input checked="" type="checkbox"/> Revised <input type="checkbox"/> Has Electives/Options <input type="checkbox"/> OEM	NQR Code & version of existing qualification: 2021/AGR/ASCI/04752 & Version 2.0	Qualification Name of existing/previous version: Fisheries Extension Associate																		
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA																			
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	2022/AGR/ASCI/06535 & Version 3.0	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 Fisheries Extension Associate is responsible for educating and assisting the fishing community members in best industry practices by arranging training sessions, demonstrations, panel discussions etc. The individual also helps the community in setting up self-help groups, cooperative societies and FPOs, and also connect with the relevant authorities to resolve their concerns.																			
9.	Eligibility Criteria for Entry for Student/Trainee/Learner/Employee	<p>a. Entry Qualification & Relevant Experience:</p> <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>10th Class</td> <td>2 year of relevant experience</td> </tr> <tr> <td>2</td> <td>10th Class Pass and pursuing continuous regular schooling</td> <td></td> </tr> <tr> <td>3</td> <td>8th Class</td> <td>4 Years of relevant experience</td> </tr> <tr> <td>4</td> <td>Certificate-NSQF Level-4(Freshwater Aquaculture Farmer/Mariculture Farmer/Brackishwater Aquaculture Farmer)</td> <td>6 months of relevant experience</td> </tr> <tr> <td>5</td> <td>Previous relevant qualification of NSQF Level 3 with minimum education as 5th grade pass</td> <td>2 Years of relevant experience</td> </tr> </tbody> </table> <p>b. Age: 18</p>		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	10th Class	2 year of relevant experience	2	10th Class Pass and pursuing continuous regular schooling		3	8th Class	4 Years of relevant experience	4	Certificate-NSQF Level-4(Freshwater Aquaculture Farmer/Mariculture Farmer/Brackishwater Aquaculture Farmer)	6 months of relevant experience	5	Previous relevant qualification of NSQF Level 3 with minimum education as 5th grade pass	2 Years of relevant experience
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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 (wherever applicable)	NA																						
13.	Training Duration by Modes of Training Delivery (Specify Total Duration as per selected training delivery modes and as per requirement of the qualification)	<input checked="" type="checkbox"/> Offline <input type="checkbox"/> Online <input type="checkbox"/> 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>210</td> <td></td> <td></td> <td>390</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	210			390	Online					
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Classroom (offline)	180	210			390																			
Online																								
14.	Aligned to NCO/ISCO Code/s (if no code is available mention the same)	NCO-2015/2132																						
15.	Progression path after attaining the qualification (Please show Professional and Academic progression)	Fisheries Extension Associate, Primary Fish Processor																						
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	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No URLs of similar Qualifications:																						
18.	Is the Job Role Amenable to Persons with Disability	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If "Yes", specify applicable type of Disability: SHI																						
19.	How Participation of Women will be Encouraged	Batches specific to women will be formed																						
20.	Are Greening/ Environment Sustainability Aspects Covered (Specify the NOS/Module which covers it)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No DGT/VSQ/N0103 (v1.0)																						
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Colleges <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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 Priyanka Prakash Email: priyanka@asci-india.com Website: www.asci-india.com <div style="text-align: right;">Contact No.: 0124-4670029</div>																						
23.	Final Approval Date by NSQC: 30/12/2021	24. Validity Duration: 3 years post NSQC Approval		25. Next Review Date: 30/12/2024																				

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 to provide fisheries extension services	AGR/N5114 (v2.0)	Core	3	4	30	90			120	30	40		30	100	25
2	Arrange training sessions, demonstrations, meetings and workshops	AGR/N5113 (v3.0)	Core	3	4	30	90			120	30	40		30	100	30
3	Assist in forming and operating SHGs/ FIGs/ PGs	AGR/N9925 (v1.0)	Non-Core	4	1	15	15			30	30	40		30	100	30
4	Maintain health and safety at the workplace	AGR/N9903 (v4.0)	Non-Core	4	1	15	15			30	40	25		35	100	5
5	Employability Skills (90 Hours) v1.0	DGT/VSQ/N 0103(v1.0)	Non-Core	5	3	90				90	20	30			50	10
Duration (in Hours) / Total Marks					13	180	210			390	150	175		125	450	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) <i>(as per NCVET guidelines)</i>	10th Class with 5 years of relevant industry or training experience in Fishery Production and management* *Fresh Water Aquaculture farmer/Brackish Water Aqua Culture farmer with 5 Years of experience after 10th pass. Experience certificate issued by BDO/Agriculture Officer/Head of Grampanchayat/Loan disbursing bank or financial institution/registered fisheries society/State department of fisheries on official letter Head OR Diploma in Fisheries (Regular Diploma more than 15 months) with 4 years of relevant industry or training experience in Fishery Production and management OR Graduate (B. Sc. Zoology) with 3 years of relevant industry or training experience in Fishery Production and management** **For school Program minimum qualification of Trainer should be Graduate(Fisheries Science/Industrial Fish & Fisheries/Zoology). Their Teaching experience will be considered industry experience OR B.Sc. (B. Sc Agriculture / Fisheries, Bachelor of Fisheries Science/B.Sc.(Industrial Fish & Fisheries)) with 2 years of relevant industry or training experience in Fishery Production and management*** ***For Graduate in Bachelor of Fisheries Science/B.Sc.(Industrial Fish & Fisheries) no experience is required
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 Fishery Production and management after Graduation (B. Sc. Zoology) and 3 years of relevant industry experience in Fishery Production and management OR 5 years of training experience in Fishery Production and management after B.Sc. (B. Sc Agriculture / Fisheries, Bachelor of Fisheries Science/B.Sc.(Industrial Fish & Fisheries)) and 2 years of relevant industry experience in Fishery Production and management
3.	Tools and Equipment Required for Training	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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>	Graduation (Fisheries and related streams) with 5 years of relevant experience in Fisheries Science/ Extension/ Aquaculture/ Applied aquaculture or related experience and fields
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		OR Post-graduation (Fisheries and related streams) with 2 years of relevant experience in Fisheries Science/ Extension/ Aquaculture/ Applied aquaculture or related experience and fields OR PhD (Fisheries and related streams) with 1 year of relevant experience in Fisheries Science/ Extension/ Aquaculture/ Applied aquaculture or related experience 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 relevant experience in Fisheries Science/ Extension/ Aquaculture/ Applied aquaculture or related experience and fields
4.	Assessment Mode <i>(Specify the assessment mode)</i>	Offline
5.	Tools and Equipment Required for Assessment	<input checked="" type="checkbox"/> Same as for training <input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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): under PMKVY scheme
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: 30
5.	Estimated nos. of persons to be trained and employed: 600
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Yes, have received concurrence from the 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>
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2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Annexure-2
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Annexure-5
4.	Annexure: Assessment Strategy (Mandatory)	Annexure-6
5.	Annexure: Blended Learning (Mandatory, in case selected Mode of delivery is "Blended Learning")	NA
6.	Annexure: Multiple Entry-Exit Details (Mandatory, in case qualification has multiple Entry-Exit)	NA
7.	Annexure: Acronym and Glossary (Optional)	
8.	Supporting Document: Model Curriculum (Mandatory – Public view)	Annexure-7
9.	Supporting Document: Career Progression (Mandatory - Public view)	Primary Fish Processor (L5)
10.	Supporting Document: Occupational Map (Mandatory)	Annexure-8
11.	Supporting Document: Assessment SOP (Mandatory)	Annexure-9
12.	Any other document you wish to submit:	

Annexure 1: Evidence of Level

NCrF/NSQF Level Descriptors	Key requirements of the job role/ outcome of the qualification	How the job role/ outcomes relate to the NCrF/NSQF level descriptor	NCrF/NSQF Level
Professional Theoretical Knowledge/Process	<ul style="list-style-type: none"> Prepare for training, demonstrations, meetings and workshops Conduct training sessions, demonstrations, meetings and workshops Counsel and assist the fishing/ aquaculture community members Assist the fishing community in availing the diagnostic services related to fisheries operations 	A Fisheries Extension Associate is responsible for educating and assisting the fishing community members in best industry practices by arranging training sessions, demonstrations, panel discussions etc. The individual also helps the community in setting up and operating self- help groups, FPOs and cooperative societies as per the applicable local rules and regulations, apart from helping them connect with the relevant authorities to resolve their concerns. The person also helps the community in availing the appropriate diagnostic services related to fisheries operations.	4
Professional and Technical Skills/ Expertise/ Professional Knowledge	<ul style="list-style-type: none"> Identify and connect with the target audience Identify and connect with the target audience 	As it requires understanding of basic facts, principles and processes, for example, provide assistance during the training as briefed by the trainer, keep records of the training process and ensure the training proceeds	4

		smoothly, locate a venue suitable and acceptable for members of community that is accessible, fix a date and time that's convenient for fishermen, assist in addressing issues and grievances arising from the community, create awareness amongst the community about the importance of training	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	<ul style="list-style-type: none"> Practice inclusion at work Administer appropriate emergency procedures Maintain personal hygiene 	The Job holder should have professional skills including: Decision making, Planning and Organising, Customer centricity, Problem solving, Analytical Thinking, Critical thinking.	4
Broad Learning Outcomes/Core Skill	<ul style="list-style-type: none"> Assist in forming the SHG/ FIG/ PG Assist in carrying out SHG/ FIG/ PG operations Maintain clean and safe workplace Assist in the formation and operations of FPOs and cooperative societies as per the applicable local rules and regulations 	The job holder is expected to communicate with minimum clarity, have basic arithmetic skills and a basic understanding of political and natural environment. For instance, he/she should be able to read and understand all base documents pertaining to the conduct of the training, read procedure and any material that may be required to be read while carrying out training activities, maintain minutes of the training, maintain attendance reports, write simple letters for invitation and other purposes to community leaders, compile feedback forms and short reports, interact positively with members of the fishing community.	4
Responsibility	<ul style="list-style-type: none"> The job holder is required to hold responsibility for his/her own work and learning and full responsibility for other's work and learning. ensure availability of all tools and equipment required for the demonstrations, demonstrate the operation demonstrate the operation and explain key advantages of post-harvest equipment 	A Fisheries Extension Associate is responsible for educating and assisting the fishing community members in best industry practices by arranging training sessions, demonstrations, panel discussions etc. The individual also helps the community in setting up self-help groups and connect with the relevant authorities to resolve their concerns.	4

	<ul style="list-style-type: none"> demonstrate the process of carrying out minor repairs and periodical maintenance of agricultural machinery and equipment provide information about safety procedures, protective devices required for operation, listen to workers, team members and farmers to know and understand their work-related problems 		
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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	Laptops/Computers	Nos	1
2	Sampling instruments	Nos	1
3	Soil and water quality monitoring kits	Nos	1
4	Calculators	Nos	1
5	Marker	Nos	1
6	Audio-visual aids	Nos	1
7	Video Recording Equipment	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	SAU-Nanaji Deshmukh Veterinary Science University	Anil Kumar Gour	Associate Professor	Madhya Pradesh	8989739567	lsfvety@rediffmail.com	
2	ICAR(Central Institute Of Freshwater Aquaculture)	Satya Dev Gupta	Retired Principal Scientist	Bhubaneshwar	9937005021	sdguptaeifa@rediffmail.com	
3	Central Marine Fisheries Research Institute(CMFRI)	Dr. A Laxminarayan	Aquaculture & Fisheries Consultant	Kerala	9961888067	drlaxminar@yahoo.co.in	
4	ICAR-CIFA	Dr. Pratap Chandra Das	Principal Scientist	Bhubaneshwar	9437100265	pratapcdas@yahoo.com	
5	Krishi Vigyan Kendra North Tripura	Biswajit Bal.	SMS (Fisheries Science)	Tripura.	9612226383	cifejit@gmail.com	
6	KUFOS	Dr. T.V. ANNA MERCY	PROFESSOR (RTD)	Cochin	9447667069	annamercy2002@yahoo.co.in	
7	College of Fisheries, Central Agricultural University (Imphal)	Dr. Gusheinzed Waikhom	Associate Professor	Tripura	9856083153	gushein_w@yahoo.com	
8	KVK	Sribidya Waikhom	SMS (Fisheries)	Manipur	9612773367	dolphinwai8@gmail.com	
9	SAU- Najaji Deshmukh Veterinary Science University	Dr. Sona Dubey	Assistant Professor	Madhya Pradesh	9302351789	sonadubey38@gmail.com	
10	BIRDS-Krishi Vignana Kendra, Belagavi	Dr Chougula DC	Senior Scientist & Head	karnataka	9480751345	kvk.Belagavi1@icar.gov.in	
11	Karnataka Veterinary, Animal and Fisheries Sciences University Bidar Karnataka	Dr N A Patil	Director of Extension	Karnataka	9448604646	dekvaflu@gmail.com	
12	DSF Group of Companies	Mr. Kanni	Project Manager	Tamil Nadu	91461 2361354	kanni941@gmail.com	
13	College of Fisheries, Assam Agricultural	Dr Binod Kalita	Dean	Assam	986424447	binodkalitaraha@rediffmail.com	

	University (Raha.Assam)						
14	Taralabalu Krishi Vignana Kendra Karnataka	Dr Devaraj TN	Senior Scientist & Head	Karnataka	9449856876	tndevaraja@gmail.com	
15	Birsa Agriculture university Ranchi	Mrs Smita Shweta	Fisheries Expert	Jharkhand	8987616421	smita shweta [smita_shweta@yahoo.com]	
16	Birsa Munda Multistate Cooperative society	Mr.Ashish kumar	Managing Director	Jharkhand	7677883037	coomar2012@gmail.com	
17	Sarva Sewa Samity Sansthan	Mr. Kumar Gaurav	Director	Jharkhand	8986672347	program@4sindia.org	
18	KVK Khordha,	Dr. P R Sahoo	SMS(Fishries)	Odisha	9861386353	sahoo_prs@yahoo.com	
19	KVK nimpith	Prashant Chaterjee	Incharge- Senior Scientist & Head	West Bengal	9434437058	nimpithkvk1979@gmail.com	
20	Gramshree Ventures Private limited	Mr. Aman Prakash	Director (Operations)	Bihar	9608600960	gramshreeagri.in@gmail.com	
21	Ram's Assorted Cold Storage Limited	Mr. Aditya Dash	Managing Director	Odisha	9937000186	md@racsl.com	
22	Kailash Fisheries	Akshya Kumar Sahu	CEO	Odisha	9437147897	akshyakumarsahu1977@gmail.com	
23	ICAR-CIFT	Dr. Amulya Kumar Mohanty	Scientist	Kerala		dramulyakumar@gmail.com	
24	Rupahi College, PO- Rupahi, Dist: Nagaon, Assam	Dr. B.N. Pattanaik	Principal	Assam	94351- 86531	rupahicollege81@gmail.com	
25	<u>Dr. M.G.R. Fisheries College and Research Institute, Ponneri</u>	Dr. B. Ahilan	Dean	Tamil Nadu		deanfciponneri@tnfu.ac.in	
26	Central Agricultural University,Lembucherra, West Tripura	Prof. R. K. Saha	Dean, College of Fisheries, CAU	Tripura	(0381) 2865 264	cofcau.agt-tr@gov.in	
27	Nimpith Ramkrishna Asram KVK	Prasanta Chatterjee	Incharge- Senior Scientist	West Bengal	9434437058	nimpithkvk@rediffmail.com	

			& Head, Fisheries				
28	KVK Dindori,MP	Geeta Singh	Senior Scientist	Madhya Pradesh	9981166789	kvkdindori@rediffmail.com	
29	Rams Assorted Cold Storage Ltd	Aditya Das	Managing Director	Odisha	9937000186	md@racsl.com	
30	Directorate of fisheries, Badasi Grant, Dehradun, Uttarakhand	H.K.Purohit	Act. Joint Director	Uttarakhand	8859001999	info.fisheriesuk@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	200	100	60	20		
2023-24	200	100	60	20		
2024-25	200	100	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
1.0	2019-20	328	200	173		117	75	65					
1.0	2020-21	240	162	142		102	84	74					
1.0	2022-23	42	37	33		25	22	21					

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. Non-PMKVY

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/N5114: Prepare to provide fisheries extension services	<i>Identify and connect with the target audience</i>	14	24		16
	PC1. identify the target area and size of the audience				
	PC2. collect the relevant data from the target area and study it to understand the socio-economic conditions there				
	PC3. select appropriate methods to connect with the target audience such as classroom sessions, field visits, local forums, etc.				
	PC4. establish contact with the target audience through farm and home visits, phone calls, local forums to understand their needs and concerns and mobilise them to participate in training sessions/ demonstrations/ meetings/workshops				
	<i>Prepare for training, demonstrations, meetings And workshops</i>	16	16		14
	PC5. select a venue for training/ demonstrations/ meetings/ workshop, ensuring it is accessible to all the community members				
	PC6. select an appropriate method for the delivery of fisheries extension training				
	PC7. organise the required resources such as the trainer and participant's guide, tools and equipment, audio-visual aids, furniture, etc.				
	PC8. check that audio-visual aids are in working condition				
	PC9. arrange sessions with industry experts/ entrepreneurs/ community leaders to facilitate knowledge sharing with the community members				
	PC10. prepare the training/ demonstration/ meeting/ workshop calendar, selecting an appropriate time for the maximum participation of the community members				
	PC11. communicate the training/ demonstration/ meeting/ workshop calendar to the community members				
	Total Marks	30	40	-	30
AGR/N5113: Arrange training sessions, demonstrations, meetings and workshops	<i>Conduct training sessions, demonstrations, meetings and workshops</i>	12	16		12
	PC1. demonstrate the use of tools, equipment and relevant technologies, along with their applicability to the local conditions				

PC2. deliver lectures to share information with the community members on best fishing/ aquaculture practices				
PC3. conduct group discussions to encourage and stimulate the community members to talk about their concerns and reach mutually-agreed solutions				
PC4. arrange panel discussions with the industry experts/ entrepreneurs/ community leaders to brainstorm on important and urgent issues				
PC5. arrange workshops to teach the community members, the relevant course of study or engage in practical problem solving				
PC6. conduct roleplays to explain ideas effectively and stimulate discussion among community members				
PC7. check that all the participants receive the participant's guide and any other required material during the training				
PC8. conduct training sessions, demonstrations, meetings and workshops using the appropriate audio-visual aids				
PC9. maintain the attendance data and minutes of the training in physical registers and/ or the relevant computer application				
PC10. collect feedback from the participants to improve the quality of training				
PC11. schedule the next training session as per the availability of the participants				
<i>Counsel and assist the fishing/ aquaculture community members</i>	<i>14</i>	<i>18</i>		<i>12</i>
PC12. counsel the community members about the relevant schemes and support mechanisms such as the Sagar Mala Project, Common Service Centres (CSCs), deposit schemes and other banking services, etc.				
PC13. advise the community members about the selection of appropriate fresh/ brackish/ marine water fish/ crustacean species to be cultured based on trends and profitability				
PC14. educate the community members about different capture and culture fisheries methods such as mono/ mixed/ poly culture and the applicable scientific factors				
PC15. assist the community members in setting up fishing enterprises such as fish seed production or fish processing unit				

PC16. assist the community members in availing the diagnostic and services related to fisheries activities				
PC17. educate the community members about fishing crafts, gears and nets used in different fisheries systems				
PC18. educate the community members about the aquaculture farm preparation activities such as pond preparation, water quality management, eradication of aquatic weeds and predators, etc.				
PC19. advise the community members about the fish/ crustacean feed management along with the common diseases and the appropriate preventive/ remedial measures to be taken				
PC20. counsel the community members about the optimisation of resources and waste management				
PC21. educate the community members about the value chain and market linkages				
PC22. advise the community members about the personal insurance facility and insurance on various fishing assets and projects to protect against Permanent Total Disability due to Accident (PTD), diseases, natural calamities, etc.				
PC23. assist the community members in securing insurance and submitting insurance claims				
PC24. counsel the community members about the safe handling of fish, value-addition activities, etc.				
PC25. educate the community members about the benefits and process of creating Self-Help Groups (SHGs) to achieve the common objectives collectively				
PC26. assist the community members in creating SHGs, cooperative societies and FPOs as per the applicable local laws and regulations				
PC27. assist the community in organising and utilising resources				
PC28. identify and connect with the relevant Non- governmental Organisations (NGOs) and Voluntary Organisations (VOs) for the welfare of the fishing Community				
PC29. conduct field visits/ research to identify solutions to the problems encountered by the fishing community in the field				
PC30. identify social, economic and technical barriers encountered by the fishery community and their solutions				
<i>Practice inclusion at work</i>	4	6		6
PC31. maintain gender neutral behaviour at work				

	PC32. empathise with Persons with Disabilities (PwD)				
	Total Marks	30	40		30
AGR/N9925: Assist in forming and operating SHGs/ FIGs/ PGs	<i>Identify and connect with the target audience</i>	<i>8</i>	<i>10</i>		<i>6</i>
	PC1. identify and connect with the audience sharing the same concerns, to propose the formation of an SHG/ FIG/ PG and educate them about the benefits of collective farming/ activities				
	PC2. arrange meetings with the government officials /industry experts/ community leaders, to encourage the community to form SHG/ FIG/ PG to address common issues faced by the community				
	<i>Assist in forming the SHG/ FIG/ PG</i>	<i>10</i>	<i>14</i>		<i>14</i>
	PC3. support the community members in creating an SHG/ FIG/ PG with an optimum number of members as per the applicable SHG/ FIG/ PG formation rules and assist them in selecting their group leader				
	PC4. assist in identifying group members to take relevant responsibilities such as accounts management-keeping, organising meetings, record- keeping, etc.				
	PC5. guide the SHG/ FIG/ PG in creating policies to govern the group operations such as the terms of membership, use of credit facility and repayment, the process to make decisions, etc.				
	PC6. assist the SHG/ FIG/ PG in opening a bank account and secure financial assistance under the relevant government schemes				
	PC7. assist in conducting fundraising activities to support the group operations				
	<i>Assist in carrying out SHG/ FIG/</i>	<i>12</i>	<i>16</i>		<i>10</i>
	PC8. support the SHG/ FIG/ PG members in planning and initiating income-generating activities to meet the market needs along with their household food security needs				
	PC9. assist the SHG/ FIG/ PG in holding meetings and undertaking other relevant tasks such as book and record keeping, induction of new members, corresponding with relevant authorities, etc.				
	PC10. support the SHG/ FIG/ PG in identifying suppliers and bulk purchase of inputs to reduce the input costs				
	PC11. assist the SHG/ FIG/ PG members in purchasing/ hiring and using the relevant tools/ equipment/ material/ technology				
	PC12. guide the SHG/ FIG/ PG members in establishing a group-owned bank of inputs such as quality seeds/ fertilizers/ pesticides/ tools and equipment, etc.				

	PC13. support the SHG/ FIG/ PG in connecting and partnering with other SHGs/ FIGs/ PGs to increase productivity and address common concerns at a large scale				
	PC14. conduct field-visits/ trials to help the SHG/ FIG/ PG identify and resolve problems practically				
	PC15. guide the SHG/ FIG/ PG members on relevant financial practices such as money-saving, responsible lending, timely repayment of the borrowed amount, etc.				
	PC16. educate the members on appropriate value- addition practices to increase business profitability such as processing and packaging of produce				
	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 sanitisation 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 in case 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. report 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/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, considering the 4Ps of Marketing Product, Price, Place and Promotion				
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				
	Total Marks	20	30	-	
Grand Total		150	175		125

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-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