



QUALIFICATION FILE

Inland Capture Fisherman cum Primary Processor

☒ 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: 3

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	Inland Capture Fisherman cum Primary Processor																			
2.	Sector/s	Agriculture																			
3.	Type of Qualification: ☐ New ☒ Revised ☐ Has Electives/Options ☐ OEM	NQR Code & version of existing qualification: 2022/AGR/ASCI/06536 & Version 2.0	Qualification Name of existing/previous version: Inland Capture Fisherman cum Primary Processor																		
4.	a. OEM Name b. Qualification Name (Wherever applicable)	NA																			
5.	National Qualification Register (NQR) Code &Version (Will be issued after NSQC approval)	QG-03-AG-03920-2025-V2-ASCI	6. NCrF/NSQF Level: 3																		
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 Inland Capture Fisherman cum Primary Processor is responsible for capturing different species of fish in inland water bodies such as rivers and lakes and carrying out primary fish processing. The individual is also responsible for using and maintaining the fishing craft and gear along with other equipment used in inland capture fisheries. The person may also prepare fish-based products.																			
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>10th or equivalent</td> <td></td> </tr> <tr> <td>2</td> <td>8th grade pass</td> <td>With 3 years of relevant experience in in Agriculture and allied sectors</td> </tr> <tr> <td>3</td> <td>5th grade pass</td> <td>With 6 years of relevant experience in in Agriculture and allied sectors</td> </tr> <tr> <td>4</td> <td>Previous NSQF Level 2.5</td> <td>With 1.5 years of relevant experience in in Agriculture and allied sectors</td> </tr> <tr> <td>5</td> <td>Previous NSQF Level 2</td> <td>With 3 years of relevant experience in in Agriculture and allied sectors</td> </tr> </tbody> </table> b. Age: NA		S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)	1	10th or equivalent		2	8 th grade pass	With 3 years of relevant experience in in Agriculture and allied sectors	3	5 th grade pass	With 6 years of relevant experience in in Agriculture and allied sectors	4	Previous NSQF Level 2.5	With 1.5 years of relevant experience in in Agriculture and allied sectors	5	Previous NSQF Level 2	With 3 years of relevant experience in in Agriculture and allied sectors
S. No.	Academic/Skill Qualification (with Specialization - if applicable)	Required Experience (with Specialization - if applicable)																			
1	10th or equivalent																				
2	8 th grade pass	With 3 years of relevant experience in in Agriculture and allied sectors																			
3	5 th grade pass	With 6 years of relevant experience in in Agriculture and allied sectors																			
4	Previous NSQF Level 2.5	With 1.5 years of relevant experience in in Agriculture and allied sectors																			
5	Previous NSQF Level 2	With 3 years of relevant experience in in Agriculture and allied sectors																			
10.	Credits Assigned to this Qualification, Subject to Assessment (as per National Credit Framework (NCrF))	9	11. Common Cost Norm Category (I/II/III) (wherever applicable): I																		

12.	Any Licensing requirements for Undertaking Training on This Qualification <i>(wherever applicable)</i>	NA
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13.	Training Duration by Modes of Training Delivery (<i>Specify Total Duration as per selected training delivery modes and as per requirement of the qualification</i>)	☒ Offline ☐ Online ☐ Blended <table border="1" data-bbox="943 172 2040 347"> <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>120</td><td>150</td><td></td><td></td><td>270</td></tr> <tr> <td>Online</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table> <i>(Refer Blended Learning Annexure for details)</i>				Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)	Classroom (offline)	120	150			270	Online					
Training Delivery Modes	Theory (Hours)	Practical (Hours)	OJT Mandatory (Hours)	OJT Recommended (Hours)	Total (Hours)																		
Classroom (offline)	120	150			270																		
Online																							
14.	Aligned to NCO/ISCO Code/s (<i>if no code is available mention the same</i>)	NCO-2015/6222.0100																					
15.	Progression path after attaining the qualification (<i>Please show Professional and Academic progression</i>)	Inland Capture Fisherman cum Primary Processor (L3), Freshwater aquaculture Farmer (L4)																					
16.	Other Indian languages in which the Qualification & Model Curriculum are being submitted	Hindi																					
17.	Is similar Qualification(s) available on NQR-if yes, justification for this qualification	☐ Yes ☒ No URLs of similar Qualifications:																					
18.	Is the Job Role Amenable to Persons with Disability	☒ Yes ☐ No If "Yes", specify applicable type of Disability: SHI																					
19.	How Participation of Women will be Encouraged	Batches specific to women will be formed																					
20.	Are Greening/ Environment Sustainability Aspects Covered (<i>Specify the NOS/Module which covers it</i>)	☒ Yes ☐ No DGT/VSQ/N0102 (v1.0)																					
21.	Is Qualification Suitable to be Offered in Schools/Colleges	Schools ☒ Yes ☐ No Colleges ☒ Yes ☐ No																					
22.	Name and Contact Details of Submitting / Awarding Body SPOC (<i>In case of CS or MS, provide details of both Lead AB & Supporting ABs</i>)	Name: Ms Purnambica K Email: standards@asci-india.com Website: www.asci-india.com Contact No.: 0124-4670029																					
23.	Final Approval Date by NSQC: 08-05-2025	24. Validity Duration: 3 years post NSQC Approval	25. Next Review Date: 30-04-2028																				

Section 2: Module Summary

NOS/s of Qualifications

(In exceptional cases these could be described as components)

Mandatory NOS/s:

Specify the training duration and assessment criteria at NOS/ Module level. For further details refer curriculum document.

Th.-Theory **Pr.**-Practical **OJT**-On the Job **Man.**-Mandatory Training **Rec.**-Recommended **Proj.**-Project

S. No	NOS/Module Name	NOS/Module Code & Version (if applicable)	Core/Non-Core	NCrF/NS QF Level	Credits as per NCrF	Training Duration (Hours)					Assessment Marks					
						Th.	Pr.	OJT-Man.	OJT-Rec.	Total	Th.	Pr.	Proj.	Viva	Total	Weightage (%) (if applicable)
1	Prepare for carrying out inland capture fisheries operation	AGR/N5006 (v3.0)	Core	3	3	20	70			90	30	40		30	100	35
2	Carry out capture operation, primary processing and marketing of fish	AGR/N5007 (v3.0)	Core	3	3	20	70			90	30	40		30	100	35
3	Follow the safety and hygiene practices in capture fisheries operations	AGR/N5103 (v3.0)	Core	4	1	20	10			30	30	40		30	100	20
4	Employability Skills (60 Hours)	DGT/VSQ/N0102 (v1.0)	Non-Core	3	1	60				60	20	30			50	10
Duration (in Hours) / Total Marks					9	120	150			270	110	150		90	350	100

Assessment - Minimum Qualifying Percentage

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

Minimum Pass Percentage – Aggregate at qualification level: 50 % (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 experience in Inland Fishery Production and management * *Inland capture fisherman cum primary processor with 5 Years of experience after 10th pass. Experience certificate issued by registered fisheries society/ Government Department of Fisheries/ corporates on official letter Head OR Diploma (Fisheries/ Fish Processing Technology) with 3 years of relevant industry experience in Inland Fishery Production and management ** Regular Diploma of more than 15 months in fisheries/ Fish Processing Technology OR Graduate (Zoology / Agriculture / Food Technology) with 2 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 as industry Experience OR Graduate (Fisheries Science)
2.	Master Trainer's Qualification and experience in the relevant sector (in years) <i>(as per NCVET guidelines)</i>	5 years of training experience after Graduation (Zoology / Agriculture / Food Technology) with 2 years of relevant industry experience in Inland Fishery Production and management OR 5 years of training experience after Graduation (Fisheries Science)
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>	B.F. Sc with 4 years of relevant industry experience In Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related experience OR B. Tech (Inland Aquaculture and related streams) with 4 years of relevant industry experience In Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related experience OR B. Sc (Fisheries and related streams) with 5 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related experience OR M. Tech (Inland aquaculture/ Fish Processing Engineering and related streams) with 2 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related
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		experience OR M. F. Sc with 2 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related Experience OR M. Sc (Fisheries and related streams) with 2 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology
2.	Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	Diploma/Graduate (It is mandatory for a proctor to have technical knowledge/IT knowledge Once a proctor has been on-boarded by any AA, they are oriented about skill ecosystem along with do's and don'ts.)
3.	Lead Assessor's/Proctor's Qualification and experience in relevant sector (in years) (as per NCVET guidelines)	M. Tech (Inland aquaculture/ Fish Processing Engineering and related streams) with 10 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related experience OR M. F. Sc with 10 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology or related Experience OR M. Sc (Fisheries and related streams) with 10 years of relevant industry experience in Fisheries Science/ Zoology/ Aquaculture/ Inland aquaculture/ Freshwater Biology
4.	Assessment Mode (Specify the assessment mode)	Offline
5.	Tools and Equipment Required for Assessment	☒ Same as for training ☒ Yes ☐ No (details to be provided in Annexure-if it is different for Assessment)

Section 5: Evidence of the need for the Qualification

Provide Annexure/Supporting documents name.

1.	Latest Skill Gap Study (not older than 2 years) (Yes/No): Yes
2.	Latest Market Research Reports or any other source (not older than 2 years) (Yes/No): NO
3.	Government /Industry initiatives/ requirement (Yes/No): NO
4.	Number of Industry validation provided: 9
5.	Estimated nos. of persons to be trained and employed: 2000
6.	Evidence of Concurrence/Consultation with Line Ministry/State Departments: Yes

Section 6: Annexure & Supporting Documents Check List

Specify Annexure Name / Supporting document file name

1.	Annexure: NCrf/NSQF level justification based on NCrf level/NSQF descriptors (Mandatory)	Annexure-1
2.	Annexure: List of tools and equipment relevant for qualification (Mandatory, except in case of online course)	Annexure-2
3.	Annexure: Detailed Assessment Criteria (Mandatory)	Annexure-5
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)	Inland capture fisherman cum primary process (L3), Freshwater aquaculture Farmer (L4)
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	• Maintaining the fishing craft • Usage of equipment used in inland capture fisheries • Prepare fishing crafts and other equipment • Carry out primary processing • Take the appropriate safety measures	An Inland Capture Fisherman cum Primary Processor is responsible for capturing different species of fish in inland water bodies such as rivers and lakes. The individual is also responsible for using and maintaining the fishing craft and gear along with other equipment used in inland capture fisheries.	3
Professional and Technical Skills/ Expertise/ Professional Knowledge	• Follow the safety guidelines in water bodies • Follow the onboard safe working practices	The job holder is expected to have knowledge of various inland fishing methods and techniques, type of crafts used for different inland waters, types of active gears and	3

	• The process of preparing the fishing gear such as nets, pots, traps etc. • routine checks and maintenance to be carried out on the fishing craft • Follow the hygiene standards while handling fish	passive gears used in inland waters, how to work active and passive gear permitted in inland waters, operate motorised and non-motorised boats permitted in inland waters, inland water species and its natural habitat to decide the appropriate method, crafts and equipment, navigational and communication equipment, and fish finders to locate fish, use of life jackets and other safety equipments, rules and regulations to be followed by the approved inland water authority. The job holder is expected to have knowledge about CRZ regulations, relevant equipment to detect ships, take appropriate measures to avoid collisions, detect underwater dangers, measures to mitigate them, monitor pollution laws related to the disposal of fish, fisheries management laws related to fishing methods and gear, conservation laws related to banned species, ensure adherence to safe operation of all fishing electronic equipment, Handling and cleaning the fish and storing it at under the recommended temperature and in hygienic conditions to maintain its freshness.	
Employment Readiness & Entrepreneurship Skills & Mind-set/Professional Skill	• The process of selecting the fishing grounds according to the shoaling behaviour of the target fish species and planning the route • Marketing Process • Perform waste management • Optimise resource utilisation	The job holder is expected to operate crafts and gear to be used for the capture in inland waters, plan on the inland water fishing methods, crafts and target species, plan and organize the preparations before departure for fishing, plan the choice and operations of all kinds of inland water fishing gear, maintain good relationships with staff, maintain good relationships with customers, auctioneers and others during post-harvest activities, streamline and choose different methods and techniques of fishing based on availability of target species and season of the year, improve the catch using his knowledge of the water body and respond appropriately to weather and seasonal conditions, correct use of the electrical tools and equipments,	3

		optimise the usage of water/ electricity/materials in various tasks/ process. The job holder should effectively communicate with the customers and other inland fishermen for selling, marketing and other post-harvest activities, estimate operation costs and other overheads, Identify all commercially viable species as well as the non-edible ones, sort the captured fish by count, weight and species, and as per market requirements, cover, protect them from elements, and chill if possible while proceeding to landing pier, locate fish using fish finding equipment, operate fishing gear appropriate to the target species, capture fish of high commercial value and earn good profits	
Broad Learning Outcomes/Core Skill	• Choose appropriate fishing method • Check other important parameters • Capture the fish • Can, label and market the fish products • Prepare fish-based products	The job holder is expected to, read error messages, read information sent by internal teams, keep a log of important information on process of de-heading, gutting and washing the fish, curing, using a fish meat bone separator, use of drum perforations to produce mince of different textures, the process of preparing various products using fish mince, different types of sashimi-grade fish and processing. The job holder should know the importance of using appropriate liquid medium/ additive such as Brine or double-refined and deodorized vegetable oil, process of exhausting before sealing the cans to prevent oxidation in the cans, packaging and labelling of the fish products, preparation of various products using the fish mince, follow the applicable hygiene and safety standards such as Good Manufacturing Practices (GMP), Sanitation Standard Operating Procedure (SSOP), Good Hygiene Practices (GHP) and Hazard Analysis and Critical Control Points (HACCP).	3

Responsibility	• Capturing of different species of fish inland • Maintaining the fishing craft • Usage of equipment used in inland capture fisheries	An Inland Capture Fisherman cum Primary Processor is responsible for capturing different species of fish in inland water bodies such as rivers and lakes. The individual is also responsible for using and maintaining the fishing craft and gear along with other equipment used in inland capture fisheries.	3
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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	Anchors	Nos	1
2	Bleaching powder	kilograms	1
3	Boots	Nos	5
4	Cutting boards	Nos	1
5	Different kinds of hooks	SET	1
6	Dissection Box	Nos	1
7	Gloves	Nos	30
8	Video Recording Equipment	Nos	1
9	Insulated boxes	Nos	1
10	Life jackets	Nos	5
11	Mops	Nos	1
12	Plastic crates	Nos	2
13	Preserved specimens of commercially important freshwater fishes and shellfishes	Nos	1
14	ring buoysects	Nos	1
15	Ropes	Meters	1
16	Scrubbers	Nos	2
17	Secchi disk	Nos	1
18	Set of knives	Nos	2

19	stainless steel/Plastic Tub	set	1
20	Thermometer	Nos	1
21	Various netting materials such as floats, sinkers, ropes and twines, anchors, signals	SET	1
22	various packaging material	Nos	1
23	Weighing balance	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 PhoneNo	E-mail ID	LinkedIn Profile (if available)
1	ELIM CHEM PRIVATE LTD	Dr. Narasimha Murty Kinjarapu	GM-Technical & Product Development Manager	East Godavari	9.89E+09	narasimhaau@gmail.com	
2	Reclamation Fish and Crops Private Limited	Indumati Nanda	Director	Bhubaneswar	6.37E+09	info.reclamationfc@gmail.com	
3	Kailash Fisheries and Aquatics	Akshya Kumar Sahu	Proprietor	Mayurbhanha	9.44E+09	akshyakumarsahu1977@gmail.com	
4	Aum Academia Private Limited	Damodar Satapathy	Director	Bhubaneswar	9.86E+09	dsp1959satapathy@gmail.com	
5	KVK, Changlang	Dr. Devendra Singh Chhonkar	Senior Scientist & Head	Jairampur	8.12E+09	kvkchanglang@gmail.com	
6	KVK, Sundargarh-II	Dr. Jayanta Kumar Pati	Senior Scientist & Head	Rourkela	8.25E+09	kvksundargarh2.ouat@gmail.com	
7	KVK, Sonapur	Dr. Biswa Ranjan Pattnaik	Senior Scientist & Head	Sonapur	8.25E+09	kvksonapur.ouat@gmail.com	
8	KVK, Puri	Dr. Surya Narayan Mishra	Senior Scientist & Head	Sakshigopal, Puri	9.67E+09	kvk.puri@ouat.ac.in	
9	KVK, Dhenkanal	Dr. Bimalendu Mohanty	Senior Scientist and Head	Dhenkanal	9.86E+09	kvk.dhenkanal@ouat.ac.in	

Annexure 4: Training & Employment Details

Training and Employment Projections:

Year	Total Candidates		Women		People with Disability	
	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities	Estimated Training #	Estimated Employment Opportunities
2025-26	300	100	90	30		
2026-27	300	100	90	30		
2027-28	300	100	90	30		

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
	2022-23												
2.0	2023-24	926	893	835	0	693	665	611	0	0	0	0	0
2.0	2024-25	100	92	92	0	35	29	29	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 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/N5006: Prepare for carrying out inland capture fisheries operation	<i>Prepare for the capture operation</i>	18	24	-	18
	PC1. select the appropriate fish species to be captured according to their commercial value and market demand				
	PC2. select the appropriate fishing method based on the region, target species and their seasonal availability				
	PC3. select the active or passive fishing gear, hook size, traps, mesh size and type of bait according to the target fish species and its size				
	PC4. select biodegradable fishing gears to reduce environmental impact, wherever possible				
	PC5. select motorised or non-motorised fishing craft according to the quantity of fish to be caught				
	PC6. carry out routine checks and maintenance of the fishing craft to ensure it is fit for use				
	PC7. prepare the fishing gear such as nets, pots, traps for use				
	PC8. adjust the nets according to the fishing method and species to be captured				
	PC9. estimate the relevant operation costs				
	PC10. arrange the anchor, satellite phone, longline gear materials, livebaits, navigation and fish finding equipment, relevant Personal Protective Equipment (PPE), first aid kit, etc.				
	PC11. stock food, water and fuel on the boat in adequate quantity to last the capture operation				
	PC12. arrange for safe storage of fish in the boat after being captured until return to the shore				
	<i>Plan the capture operation</i>	12	16	-	12
	PC13. check the weather conditions and forecast to select an appropriate period of conducive weather for the fishing operation				
	PC14. use drone based surveillance data of fishing ground for identifying potential breeding zones, wherever possible.				
	PC15. select the fishing grounds according to the shoaling behavior of the target fish species and plan the route for the capture operation accordingly				
	PC16. ensure the required fishing permits and licenses are obtained for the fishing operation in compliance with the applicable regulations				

QUALIFICATION FILE - STT		30	40	-	30
Total Marks					
AGR/N5007: Carry out capture operation, primary processing and marketing of fish	<i>Capture the fish</i>	8	14	-	8
	PC1. steer the fishing craft to the identified fishing ground				
	PC2. detect the presence of fish using the fish finding equipment, ensuring an adequate quantity for the capture operation				
	PC3. anchor the fishing craft safely at the location				
	PC4. set up the fishing gear at the identified location to capture the fish				
	PC5. capture fish following the selected fishing method				
	PC6. ensure no negative impact on the natural habitats during capture operation				
	PC7. follow the applicable regulatory guidelines with respect to the fishing of endangered and protected fish species				
	PC8. haul the catch in the fishing craft ensuring minimum damage to the catch				
	PC9. assess the catch for inland fishery resources				
	PC10. store the captured fish under the recommended temperature and hygienic conditions in the craft				
	PC11. clean the fishing gear and relevant equipment used in the capture operation				
	<i>Take the appropriate safety measures</i>	4	6		4
	PC12. follow the appropriate precautionary measures to avoid collision with other fishing crafts				
	PC13. use the appropriate safety equipment and follow relevant cautionary measures while fishing in isolation and deep waters				
	<i>Carry out primary processing</i>	8	8		6
	PC14. sort and grade the captured fish on relevant parameters such as commercially viable species, non-edible species, weight, appearance, odour, market demand, etc.				
	PC15. discard the unsuitable fish in an environment-friendly manner				
	PC16. de-scale the fish and remove the bones				
	PC17. carry out gutting, dressing and cleaning of fish				
	PC18. slice the fish into smaller pieces as per the requirement or consumer preferences				
	PC19. store the fish in iceboxes or refrigerator to keep it fresh until sale				
	<i>Market the fish</i>	6	8		8
	PC20. identify and negotiate with the potential buyers to secure a profitable price for the fish				
	PC21. arrange an appropriate mode of transport to transport fish to the buyer in hygienic and stressfree conditions				
	PC22. process the payments using the clientpreferred e-payment method				
	PC23. maintain the record of sales and payments manually and/ or electronically using the physical registers and/ or the relevant computer application				
	PC24. calculate the benefit-cost (B: C) ratio				
	<i>Optimise resource utilisation and manage waste</i>	4	4		4

	PC25. optimise the usage of water and other resources in various tasks and processes				
	PC26. reduce, reuse, and recycle whenever possible				
	PC27. use reusable grocery bags instead of disposable plastic or paper bags				
	PC28. buy in bulk and avoid over-packaged products				
	PC29. collect plastics, ghost gear, and other debris that gathers in the nets during fishing activities				
	PC30. recycle the recyclable waste appropriately and dispose the non-recyclable waste in an environment-friendly manner				
	Total Marks	30	40		30
AGR/N5103: Follow the safety and hygiene practices in capture fisheries operations	Follow onboard safe working practices	10	12	-	8
	PC1. use all fishing machinery and equipment safely following the manufacturer's instructions				
	PC2. carry out regular testing and maintenance of the life-saving, Light Sound & Signals (LS&S) and firefighting equipment				
	PC3. use the life-saving equipment in case of rough weather/emergencies				
	Follow safety guidelines in water bodies	8	12	-	10
	PC4. use the trim & stability booklet of fishing vessel properly				
	PC5. use the relevant equipment to detect ships/ boats in the vicinity and take appropriate measures to avoid collisions				
	PC6. detect underwater dangers along the fishing route and take appropriate measures to mitigate them				
	Follow the fish capturing and handling guidelines	12	16	-	12
	PC7. follow the applicable laws related to fishing methods, use of different types of fishing gear, conservation of banned species, disposal of dead/damaged fish, etc.				
	PC8. identify poisonous organisms caught with the fish and dispose them safely				
	PC9. handle and clean the fish ensuring minimum damage to it				
	PC10. store the fish under the recommended temperature and in hygienic conditions to maintain its freshness				
	Total Marks	30	40	-	30
DGT/VSQ/N0102: Employability Skills (60 Hours)	Introduction to Employability Skills	1	1	-	-
	PC1. identify employability skills required for jobs in various industries	-	-	-	-
	PC2. identify and explore learning and employability portals				
	Constitutional values – Citizenship	1	1	-	-
	PC3. recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. and personal values and ethics such as honesty, integrity, caring and respecting others, etc.	-	-	-	-
	PC4. follow environmentally sustainable practices				
	Becoming a Professional in the 21st Century	2	4	-	-

PC5. recognize the significance of 21st Century Skills for employment	-	-	-	-
PC6. practice the 21st Century Skills such as SelfAwareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving, creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. in personal and professional life				
<i>Basic English Skills</i>	2	3	-	-
PC7. use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. read and understand routine information, notes, instructions, mails, letters etc. written in English				
PC9. write short messages, notes, letters, e-mails etc. in English				
<i>Career Development & Goal Setting</i>	1	2		
PC10. understand the difference between job and career				
PC11. prepare a career development plan with short- and long-term goals, based on aptitude				
<i>Communication Skills</i>	2	2	-	-
PC12. follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. work collaboratively with others in a team	-	-	-	-
<i>Diversity & Inclusion</i>	1	2	-	-
PC14. communicate and behave appropriately with all genders and PwD	-	-	-	-
PC15. escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
<i>Financial and Legal Literacy</i>	2	3	-	-
PC16. select financial institutions, products and services as per requirement	-	-	-	-
PC17. carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. identify relevant rights and laws and use legal aids to fight against legal exploitation				
<i>Essential Digital Skills</i>	3	4	-	-
PC20. operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. use basic features of word processor, spreadsheets, and presentations				
<i>Entrepreneurship</i>	2	3	-	-

	PC23. identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
	PC24. develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
	PC25. identify sources of funding, anticipate, and mitigate any financial/legal hurdles for the potential business opportunity				
	<i>Customer Service</i>	1	2	-	-
	PC26. identify different types of customers	-	-	-	-
	PC27. identify and respond to customer requests and needs in a professional manner.	-	-	-	-
	PC28. follow appropriate hygiene and grooming standards	-	-	-	-
	<i>Getting ready for apprenticeship & Jobs</i>	2	3	-	-
	PC29. create a professional Curriculum vitae (Résumé)	-	-	-	-
	PC30. search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. and job portals, respectively	-	-	-	-
	PC31. apply to identified job openings using offline /online methods as per requirement	-	-	-	-
	PC32. answer questions politely, with clarity and confidence, during recruitment and selection				
	PC33. identify apprenticeship opportunities and register for it as per guidelines and requirements				
	Total Marks	20	30		
Grand Total		140	190		120

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 jobrole

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 sent 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