

# Model Curriculum

## Fisheries Extension Associate

**SECTOR: AGRICULTURE & ALLIED**  
**SUB-SECTOR: FISHERIES**  
**OCCUPATION: ASSISTANCE (FISHERIES)**  
**REF ID: AGR/Q5107, v1.0**  
**NSQF LEVEL: 3**



## Certificate

### CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

**AGRICULTURE SKILL COUNCIL OF INDIA**

for the

**MODEL CURRICULUM**

Complying to National Occupational Standards of  
Job Role/Qualification Pack: '**Fisheries Extension Associate**' QP No. '**AGR/Q5107 NSQF Level 3**'

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\* Valid up to the next review date of the Qualification Pack



Authorised Signatory  
(Agriculture Skill Council of India)

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# Fisheries Extension Associate

## CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Fisheries Extension Associate”, in the “Agriculture & Allied” Sector/Industry and aims at building the following key competencies amongst the learner

<b>Program Name</b>	<b>Fisheries Extension Associate</b>		
<b>Qualification Pack Name &amp; Reference ID.</b>	AGR/Q5107, v1.0		
<b>Version No.</b>	1.0	<b>Version Update Date</b>	
<b>Pre-requisites to Training</b>	Class 8, preferably		
<b>Training Outcomes</b>	<p><b>After completing this programme, participants will be able to assist the extension officers/developmental officers in:</b></p> <ul style="list-style-type: none"> <li> <b>Planning, organizing, conducting, evaluation and follow up of training, demonstration/trial and implementation of development programmes:</b> Collecting primary and secondary data from the fishing/farming community, conduct need assessment, participatory planning of need based programmes, Identify target groups as per the norms, arrange logistics, conduct fisheries extension programmes, concurrent and post-programme evaluation, documentations, record keeping, engaging press and media, feedback and follow up activities.         </li> <li> <b>Ensuring maximum participation of fishers, fish farmers, women and youth in extension programmes:</b> Community mobilisation, understanding the sociology and psychology of fishers'/farmers community, planning programmes in tune with local conditions, confidence building and persuasion, working with village and community leadership, women and youth participation, facilitating the fishers'/farmers participation with other development department activities.         </li> </ul>		

This course encompasses 2 out of 2 National Occupational Standards (NOS) of “Fisheries Extension Associate” Qualification Pack issued by “Agriculture Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1a	<p><b>Introduction</b></p> <p><b>Theory Duration</b> (hh:mm) 08:00</p> <p><b>Practical Duration</b> (hh:mm) 08:00</p> <p><b>Corresponding NOS Code</b> Bridge Module</p>	<ul style="list-style-type: none"> <li>Understand general discipline in the class room (Do's &amp; Don'ts)</li> <li>Study the importance of extension in fisheries</li> <li>Familiarize with the philosophy and principles of fisheries extension, education and training</li> <li>Understand the role of Fisheries Extension Associates in the changing context</li> <li>Familiarize with the basics of data collection – primary and secondary data; data collection instrument and methods</li> <li>Familiarize with the participatory rural appraisal methods and identification of target groups</li> </ul>	Laptop, white board, marker, projector
1b	<p><b>Technical Knowledge and skills on fisheries</b></p> <p><b>Theory Duration</b> (hh:mm) 10:00</p> <p><b>Practical Duration</b> (hh:mm) 24:00</p> <p><b>Corresponding NOS Code</b> Bridge Module</p>	<ul style="list-style-type: none"> <li>Get introduced to marine and inland fisheries, freshwater, brackishwater and marine aquaculture; fishing and farming methods, regulations and guidelines Familiarize with different types of aquaculture, pond construction, farming practices, seed quality, seed selection, water quality monitoring, health monitoring, supply and value chain and market intelligence</li> <li>Understand fishers and fish farmers, socio-economics, daily routines of fishers/farmers etc. fishing methods, craft and gear, issues in fisheries and aquaculture</li> <li>Familiarize with climate change, extreme events and disaster management protocols, vulnerability, adaptations and mitigations</li> <li>Undertake soil and water quality monitoring, disease surveillance, sample collection and preservation</li> </ul>	Laptop, white board, marker, projector, camera and video camera.
1c	<p><b>Extension skills and understanding extension organizations and their procedures</b></p> <p><b>Theory Duration</b> (hh:mm) 08:00</p>	<ul style="list-style-type: none"> <li>Familiarize with extension organizations and their functions</li> <li>Familiarize with the extension approaches and methods, communication channels, aids and skills including audio-visual aids.</li> <li>Build linkage and coordination - liaising and coordinating with development departments</li> </ul>	Laptop, white board, marker, projector,



Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>Ensure enhanced access to extension services, tangible benefits, commitment, responsibility to fishers and farmers.</li> <li>Undertake gender mainstreaming-women and youth orientation in development, Consultative, action-oriented, participatory decision-making</li> </ul>	
	<b>Total Duration:</b>  <b>Theory Duration</b> (hh:mm) <b>56:00</b>  <b>Practical Duration</b> (hh:mm) <b>144:00</b>	<b>Unique Equipment Required:</b> Laptop, white board, marker, projector, Audio-visual aids, soil and water quality monitoring kits, sampling instruments, calculators, Camera and video camera	

Grand Total Course Duration: **200 Hours, 0 Minutes**

(This syllabus/ curriculum has been approved by [Agriculture Skill Council of India](#))

## Trainer Prerequisites for Job role: “Fisheries Extension Associate” mapped to Qualification Pack: “AGR/Q5107, v1.0”

Sr. No.	Area	Details
1	<b>Description</b>	Trainer is responsible for educating the trainees – Planning, organizing, conducting, evaluation and follow up of training, trial/ demonstration and implementation of extension programmes, ensuring maximum participation of fishers, farmers, women and youth in extension programmes and imparting technical knowledge on fisheries and aquaculture and extension and communication skills and community development.
2	<b>Personal Attributes</b>	Trainer should be a Subject Matter Expert. He/ she should have good communication, leadership, observation and practical oriented skills.
3	<b>Minimum Educational Qualifications</b>	Diploma in Fisheries
4a	<b>Domain Certification</b>	Certified for Job Role: “Fisheries Extension Associate” mapped to QP: “AGR/Q5107, v1.0”. Minimum accepted score is 80%
4b	<b>Platform Certification</b>	Certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted % as per respective SSC guidelines is 80%
5	<b>Experience</b>	<ul style="list-style-type: none"> <li>• B . F. Sc/ M.F.Sc./ M.Sc. in Marine Biology/ Industrial Fisheries/ Mariculture</li> <li>• B. Sc (Fisheries)/M.Sc. Zoology with 1 year of relevant work experience</li> <li>• B. Sc. Zoology with 2 years of relevant work experience</li> <li>• Diploma (more than 12 months) in fisheries with 3 years of relevant work experience</li> </ul>



## Annexure: Assessment Criteria

<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Fisheries Extension Associate</b>
<b>Qualification Pack</b>	<b>AGR/Q5107, v1.0</b>
<b>Sector Skill Council</b>	<b>Agriculture</b>

### **Guidelines for Assessment**

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC
2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC
3. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria
5. To pass the Qualification Pack , every trainee should score a minimum of 50% in aggregate
6. In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessment outcomes	Assessment criteria for outcomes	Marks Allocation			
		Total Marks	Out Of	Theory	Skills Practical
1. AGR/N5113 Assist in organizing extension training and implementation of developmental programmes in fisheries	PC1. identify the target group in the village and number of trainees	<b>100</b>	11	3	8
	PC2. plan the training keeping in mind fishing holidays as they are the only days active fishermen can be mobilised		11	4	7
	PC3. roll out the training calendar		11	3	8
	PC4. organize the logistics required for the training		12	4	8
	• venue				
	• training materials				
	• training equipments				
	• practical handouts/training handouts				
	• participant handbooks				
	PC5. provide assistance during the training as briefed by the trainer		11	3	8
	PC6. keep records of the training process and ensure the training proceeds smoothly		11	4	7
	PC7. assist the trainer in collecting feedback from the training		11	3	8
	PC8. collect outputs if any, and signatures of participants wherever required		11	3	8
PC9. announce the date and time of the next training, which would be carried out as a follow up	11	3	8		
		<b>100</b>	<b>30</b>	<b>70</b>	
2. AGR/N5114 Ensure highest level of participation by the fishing community	PC1. locate active fishermen or influential (key) fishermen	<b>100</b>	8	2	6
	PC2. find out the times they go out to the waters and the times they are		8	3	5

	available				
	PC3. assist in organizing series of meetings with the key people of the meeting and provide information on importance of the training	9	3	6	
	PC4. make them comfortable so as to be able to participate fully in the training	8	2	6	
	PC5. assist the trainer in using techniques such as posters, interactive sessions to convey the information	9	3	6	
	PC6. locate a venue suitable and acceptable for members of community that is accessible	8	2	6	
	PC7. fix a date and time that's convenient for fishermen	8	2	6	
	PC8. send reminders at regular intervals	8	2	6	
	PC9. mobilize majority of the fishing community from all social, economic and gender sects to attend	9	3	6	
	PC10. listen, put views and assist in influencing the decisions in formal and informal meetings at village level	9	3	6	
	PC11. assist in addressing issues and grievances arising from the community	8	2	6	
	PC12. create awareness amongst the community about the importance of training	8	3	5	
		<b>100</b>	<b>30</b>	<b>70</b>	
<b>GRAND TOTAL</b>		<b>200</b>	<b>200</b>	<b>60</b>	<b>140</b>