

Model Curriculum

Broiler Farm Supervisor

SECTOR: AGRICULTURE & ALLIED
SUB-SECTOR: AGRICULTURE ALLIED ACTIVITIES
OCCUPATION: POULTRY FARMING
REF ID: AGR/Q4301, V1.0
NSQF LEVEL: 5



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: **'Broiler Farm Supervisor'** QP No. **'AGR/Q4301 NSQF Level 5'**

Date of Issuance: March 15th, 2015

Valid up to: March 31st, 2016

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


S.S. Anand
Authorised Signatory
(Agriculture Skill Council of India)

TABLE OF CONTENTS

1. Curriculum	04
2. Trainer Prerequisites	07
3. Annexure: Assessment Criteria	08

Broiler Farm Supervisor

CURRICULUM / SYLLABUS

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

Program Name	Broiler Farm Supervisor		
Qualification Pack Name & Reference ID. ID	AGR/Q4301, v1.0		
Version No.	1.0	Version Update Date	
Pre-requisites to Training	12 th Standard		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> ○ Estimate and procure required inputs: Introduction to Poultry industry in India, estimation of inputs, identify and select the vendor/supplier, in time procurement ○ Monitor and supervise the work: Assigning works to workers, observation of work, monitoring, supervision ○ Maintain farm equipments, building and environment: Record Keeping, observation, maintenance of farm equipments ○ Maintain health and safety of farm workers: hygiene environment, worker health, worker safety at work place, hazard analysis etc 		

This course encompasses 5 out of 5 National Occupational Standards (NOS) of “Broiler Farm Supervisor” Qualification Pack issued by “Agriculture Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Introduction Theory Duration (hh:mm) 5:00 Practical Duration (hh:mm) 0:00 Corresponding NOS Code	<ul style="list-style-type: none"> Understand General Discipline in the class room (Do's & Don'ts) Understand Role of a Broiler Farm Supervisor Understand the Broiler Farming – Working environment 	Laptop, white board, marker, projector,
2	Estimate and procure required resources for raising broiler chicks Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 20:00 Corresponding NOS Code AGR/N4301	<ul style="list-style-type: none"> Understand the Inputs required for the Broiler farming Estimate the quantity of inputs required <ul style="list-style-type: none"> - Broiler chicks - Feed - Equipments - Manpower - Water - Vaccines etc Identify and select the Vendors Place order and procure the inputs Check the quality of the inputs procured 	Laptop, white board, marker, projector,
3	Supervise farm workers Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 16:00 Corresponding NOS Code AGR/ N4302	<ul style="list-style-type: none"> Understand the working environment in the broiler poultry farm Understand the workers need and behaviour Distribute the works among workers Understand the work sequence required in the farm Monitor health, hygiene, sanitation and welfare of broiler chicks in the poultry farm periodically Provide Training to workers Guide and monitor the activities of workers Report problems to farm manager in timely manner Maintain the record of activities 	Marker, Laptop, projector,
4	Maintain farm equipments, building and environment (hh:mm) 15:00	<ul style="list-style-type: none"> Perform visual inspection of farm tools and equipments daily Check tools and equipments <ul style="list-style-type: none"> - Brooder unit - Chick Guard 	Laptop, white board, marker, projector

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 20:00 Corresponding NOS Code AGR/N4303	<ul style="list-style-type: none"> - Feeder - Drinkers • Check the water spillages, blockage or cracks • Perform visual inspection of the physical infrastructure periodically • Maintain the farm environment <ul style="list-style-type: none"> - Cleaning - Disinfection - Sanitization - Chlorination and filtration of water - Culling - Disposal of culled birds - Optimum moisture level, temperature, light intensity, ventilation in the farm • Dispose the litter material after the batch is over 	
5	Health Management of Chicks Theory Duration (hh:mm) 15:00 Practical Duration (hh:mm) 15:00 Corresponding NOS Code AGR/N4304	<ul style="list-style-type: none"> • Understand the Feed requirement of chicks, birds • Provide the balanced feed • Understand and practice the waste minimization • Understand and maintain the proper Feed Conversion Ratio • Understand the different types of vaccines and time period • Understand the diseases and management • Record the weight of the birds at regular interval • Document the feed record 	Laptop, white board, marker, projector, Vaccines, Balanced Feed Chart, Record book
6	Maintain Health and safety of farm workers Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 14:00 Corresponding NOS Code AGR/N4305	<ul style="list-style-type: none"> • Analyse the hazard risk at the farm • Provide the protective clothing and equipments to the workers and train them to use • Ensure regular preventive health check up of farm workers • Maintain a clean & efficient workplace • Render appropriate emergency procedures • Report to Manager at regular time intervals • Practice General safety and first aid 	White Board, Marker, Laptop, projector, first aid kit
	Total Duration: Theory Duration (hh:mm) 60:00	Unique Equipment Required: Laptop, white board, marker, projector, chemicals, disinfectants, poultry shed, feeder, waterer, first aid kit.	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Practical Duration (hh:mm) 90:00		

Grand Total Course Duration: **150Hours, 0 Minutes**

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

Trainer Prerequisites for Job role: "Broiler Farm Supervisor" mapped to Qualification Pack: "AGR/Q4301, v1.0"

Sr. No.	Area	Details
1	Description	Trainer is responsible for educating the trainees - preparing the poultry farm for placement of chicks, carry out their feed; water; litter; brooding and health management to raise broiler chicks according to market's standards
2	Personal Attributes	Trainer should be Subject matter Expert. He/ she should have good communication, leadership, observation and practical oriented skills
3	Minimum Educational Qualifications	Diploma in Veterinary Science or relevant field (BVSc Preferable)
4a	Domain Certification	Certified for Job Role: <u>"Broiler Farm Supervisor" mapped to QP: "AGR/Q4301, v1.0"</u> . Minimum accepted score is 80%
4b	Platform Certification	Certified for the Job Role: "Trainer", mapped to the Qualification Pack: "SSC/Q1402". Minimum accepted score is 70%
5	Experience	<ul style="list-style-type: none"> • MVSc with 1 Year experience, • BVSc with 3 Years of experience, • Diploma in Veterinary Science/ B.Sc. Agriculture with 5 Years of relevant experience in poultry activities

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Broiler Farm Supervisor
Qualification Pack	AGR/Q4301, v1.0
Sector Skill Council	Agriculture

Sr. No.	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 centre (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 70% in aggregate
6	The marks are allocated PC wise; however, every NOS will carry a weight age in the total marks allocated to the specific QP

Assessable Outcome	Assessment Criteria	Total Marks	Out Of	Marks Allocation	
				Theory	Skills Practical
1.AGR/N4301 Estimate and procure required resources for raising broiler chicks	PC1. understand the quantity and quality of broilers to be raised in the poultry farm at one time	30	1	1	0
	PC2. understand the poultry farm's capacity to raise broiler chicks at one time		1	1	0
	PC3. assess the requirements of different resources like broiler chicks, feed, equipments, man power, water, litter material etc to meet company's broiler production targets		3	1	2
	PC4. estimate the quantity requirement of each resource to meet the given targets		4	1	3
	PC5. prepare the final list of resources required along with their quantity in consultation with poultry farm manager		4	1	3
	PC6. collect information about suppliers providing the required resources in the market		1	1	0
	PC7. select right supplier(s) for required materials in consultation with poultry farm manager as per company's policy		1	1	0
	PC8. negotiate with supplier(s) on prices and supply time of materials to get the best deal		3	1	2
	PC9. place order and procure the material from supplier(s) in time bound manner		2	1	1
	PC10. maintain the record of procurement as per company's policy		3	1	2
	PC11. estimate all the required resources correctly for raising broiler chicks		2	1	1
	PC12. identify right supplier(s) to maintain uninterrupted material supply		1	1	0

	PC13. get the quality material in time at the lowest cost		2	2	0
	PC14. Ensure availability of quantity of material for achieving company's quality and quantity target of broiler production		2	1	1
	Total		30	15	15
2.AGR/N4302 Supervise farm workers	PC1. monitor health, hygiene, sanitation and welfare of broiler chicks in the poultry farm periodically	60	5	2	3
	PC2. observe and monitor the farm infrastructure periodically		4	2	2
	PC3. chalk out the work and activities to be done every day		4	2	2
	PC4. distribute the work among farm workers and casual workers to complete day's work		5	2	3
	PC5. distribute materials like feed, personal protective equipment and tools to workers as per the work requirements		5	2	3
	PC6. explain the work requirements to workers		4	2	2
	PC7. explain the effective ways to workers for completing their respective work		3	2	1
	PC8. monitor the workers performing their duties and point out if any discrepancy is observed		5	2	3
	PC9. train workers on how to handle chicks at different stages of growth		5	2	3
	PC10. report problems to farm manager in timely manner		2	2	0
	PC11. maintain the operational record as per company's policy		5	2	3
	PC12. assess health and welfare of broiler chicks correctly		4	2	2
	PC13. identify daily needs of broiler chicks and farm infrastructure correctly		3	1	2

	PC28. ensure that chicks don't have access to poisons like insecticides, pesticides or unused medications located in the poultry farm		1	0	1
	PC29. ensure that litter materials (wood shavings, chopped straw etc) are evenly spread throughout the brooding area to an appropriate depth		1	0	1
	PC30. provide fresh, dust free feed in flat pans, trays or paper sheeting in the brooder area to ensure chicks easy access to it		2	2	0
	PC31. ensure adequate light and heat in the brooding area		1	0	1
	PC32. ensure uniform temperature throughout the brooding area		1	1	0
	PC33. ensure clean and disinfected atmosphere in the poultry farm		1	1	0
	PC34. ensure minimum mortality rate of broiler chicks		2	2	0
	Total		50	25	25
4. AGR/N4304 Health management of chicks	PC1. provide correct nutritional diet to broiler chicks as per the company's standards	40	5	2	3
	PC2. follow the scientific feeding program as per the growth stages of chicks		3	1	2
	PC3. ensure that feed and water dispenser are placed at a level accessible to chicks		2	2	0
	PC4. document the feed record as per company's policy		4	2	2
	PC5. ensure that litter used in the farm house is dry to prevent disease spread		2	1	1
	PC6. isolate young chicks from older chicks if more than one age groups are present on the farm		2	1	1
	PC7. ensure that any dead chick is removed and disposed off promptly according to regional regulations and company's SOP		2	2	0

	PC8. vaccinate chicks as per the vaccination schedule		5	2	3
	PC9. provide special vaccination for disease prevalent in the area after consultation with farm manager and / or veterinary doctor		3	1	2
	PC10. assess the medical requirements of chicks from their day-to-day activity and behavior		5	2	3
	PC11. document the preventive medication record as per company's policy		3	2	1
	PC12. ensure minimum mortality rate of broiler chicks		2	2	0
	PC13. ensure final weight, abdominal and carcass fat level and breast yield of farm's broiler chickens as per company's standards		2	0	2
	Total		40	20	20
5.AGR/N4305 Maintain Health & Safety of farm workers	PC1. identify accidental risks to farm workers and bystanders and actions to be taken to reduce these risks	20	1	0	1
	PC2. identify work for which protective clothing or equipment is required				
	PC3. ensure that farm workers wear appropriate protective clothing or use equipment while performing those duties		1	1	0
	PC4. ensure that all procedures and work instructions for controlling risk are followed closely		1	1	0
	PC5. read and understand the hazards of use and contamination mentioned on labels of vaccine / medication / pesticides / fumigants bottles		1	1	0
	PC6. ensure safety measures when handling chemicals used for disinfection		1	1	0
	PC7. undertake basic safety checks before operation of all tools and equipments		1	0	1
	PC8. dispose of waste safely and correctly in a designated area as per company's SOP		1	0	1

PC9. ensure that farm workers perform their duties in a manner which minimizes environmental damage	1	0	1
PC10. provide appropriate first aid to farm workers as per SOP in case of accidents and injuries	1	0	1
PC11. ensure that medical waste is disposed off in accordance with company's SOP and local regulations	1	1	0
PC12. report any accidents, incidents or problems without delay to farm manager and take necessary immediate action to reduce further danger	1	0	1
PC13. identify health risks to farm workers and bystanders and actions to be taken to reduce these risks	1	1	0
PC14. ensure that all procedures and work instructions for controlling health risk are followed closely	1	1	0
PC15. ensure clean and chlorinated water for daily use of workers	1	0	1
PC16. ensure regular preventive health check up of farm workers by doctor	1	0	1
PC17. ensure prompt treatment of farm workers in case of illness by the qualified doctor	1	0	1
PC18. follow SOPs for dealing with accidents, fires or any other type of emergencies to prevent human lives	1	1	0
PC19. ensure odourless and clean environment to farm workers	1	1	0
PC20. ensure no accidental injury to farm workers	1	0	1
PC21. ensure no productivity loss or absenteeism form work of farm workers due to illness	1	0	1
PC22. ensure no occupational health hazard to farm workers	1	0	1
	20	10	10

	TOTAL	200	200	100	100
	<u>Percentage Weightage:</u>			50%	50%
	<u>Minimum Pass% to qualify (aggregate):</u>			60%	