

Model Curriculum

Greenhouse Fitter

SECTOR: AGRICULTURE & ALLIED
SUB-SECTOR: AGRICULTURE CROP PRODUCTION
OCCUPATION: PRECISION FARMING
REF ID: AGR/Q1001, V1.0
NSQF LEVEL: 4



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: **'Greenhouse Fitter'** QP No. **'AGR/Q1001 NSQF Level 4'**

Date of Issuance: October 15th, 2016

Valid up to: March 31st, 2019

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

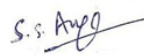

Authorised Signatory
(Agriculture Skill Council of India)

TABLE OF CONTENTS

<u>1. Curriculum</u>	04
<u>2. Trainer Prerequisites</u>	08
<u>3. Annexure: Assessment Criteria</u>	09

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<p>Corresponding NOS Code AGR/N1002</p>	<ul style="list-style-type: none"> Basics of crop cultivation- Land Preparation, Nursery Raising, Package of Practices of crops, Harvest & Post-harvest Management 	<p>Exhaust fan, Power cutter, Drawing sheet, Pen, pencil, rubber, Drill machine, Spanner, Ratchet, Screw Driver, Wire rope puller (> 2 ton capacity) Wire rope cutter, Hoe, Spade, Supporting ladder (> 3 meters), Drilling Machine with bits, Self-Drilling Screw driver with bits, Measuring tape, Measuring ruler, Sprit level tool, Greenhouse columns, C Profiles, Bolts and nuts, Wire ropes, Greenhouse Plastic films, Greenhouse Shade nets / thermal Nets, Square hollow section pipes, Foundation pipes, Foundation iron rods (< 1 foot), Roller wheels, Greenhouse door kit, Trellising system with wire, Profiles with Spring, Greenhouse Gutter, Pipe Connectors, Nylon rope, Chain pulley, Scissors, Clamps Sealing material like Silicon, Hammer</p>
4	<p>Maintenance of greenhouse</p> <p>Theory Duration (hh:mm) 10:00</p> <p>Practical Duration (hh:mm) 30:00</p> <p>Corresponding NOS Code AGR/N1003</p>	<ul style="list-style-type: none"> Maintain erected structures Maintain operational elements of Green House for periodic checking, tightening, greasing, etc. 	<p>Laptop, white board, marker, projector, Audio-visual aids, Ratchet, Wire puller, Spanner, Nuts and Bolts Screws, Lubricants like Grease, Supporting ladder, Nylon ropes, Wire cutter, Plastic wiper, Hammer, Screw Driver, Sealing material like silicon, Cut material of Greenhouse plastics for patch work, Cut material of Shading net / thermal net for patch</p>

Trainer Prerequisites for Job role: “Greenhouse Fitter” mapped to Qualification Pack: “AGR/Q1001, v1.0”

Sr. No.	Area	Details
1	Description	Trainer is responsible for educating the trainees – Different components of greenhouse & their working, Design & layout of greenhouse, installation of greenhouse, Maintenance of greenhouse, Safety & hygiene at the workplace
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	ITI
4a	Domain Certification	Certified for Job Role: “Greenhouse Fitter” mapped to QP: “AGR/Q1001, v1.0”. Minimum accepted score is 80%.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted % as per respective SSC guidelines is 80%.
5	Experience	<ul style="list-style-type: none"> • B. Tech (Farm Mechanization/Agriculture engineering, Mechanical) • B. Sc (Agriculture / Horticulture) with 3 years of relevant experience • ITI with 5 years of total work experience out of which 3 years experience in relevant field

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Greenhouse Fitter
Qualification Pack	AGR/Q1001, 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	Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS
4	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 criterion.
5	To pass the Qualification Pack , every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.
6	In case of <i>unsuccessful completion</i> , the trainee may seek reassessment on the Qualification Pack.

	PC12. Use emergency equipment in accordance with manufacturers' specifications and workplace requirements		1	0	1
	PC13. Provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques		1	0	1
	PC14. Recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate		1	0	1
	PC15. Report details of first aid administered in accordance with workplace procedures.		1	1	0
			15	6	9
	Total	300	300	150	150
	Percentage Weightage:			50%	50%
	Minimum Pass% to qualify (aggregate):			70%	