

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
Competency Standard	Perform basic field operations for off season vegetable production
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____
	Registration/Roll Number_____
Guidance for Candidate	<p>To meet this standard, you are required to complete the following within time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 1. Perform ploughing 2. Perform Planking 3. Perform operation through Laser Land Leveler 4. Perform management operations
Time: 03 Hrs.	<p>During a practical assessment, under observation by an assessor, you are required to :</p> <ol style="list-style-type: none"> 1. Perform ploughing <ul style="list-style-type: none"> ▪ Select implements for ploughing ▪ Arrange/ fix implements for ploughing according to SOP ▪ Ensure standard safety checks before and after use of machinery ▪ Ensure pre and post-handling measures ▪ Adhere to required safety standards 2. Perform Planking <ul style="list-style-type: none"> • Identify and arrange tools for planking • Ensure standard safety checks before and after use of machinery • Fix implements for planking according to SOPs • Ensure cleanliness before and after use • Ensure safety standards involved in the process 3. Perform operation through Laser Land Leveler <ul style="list-style-type: none"> • Calibrate implement as per standard method • Ensure safety checks before and after use of machinery • Fix laser land leveler unit according to standard method • Operate laser land leveler according to standard method • Ensure health and safety standards
Minimum Evidence Required	

	4. Perform management operations <ul style="list-style-type: none"> • Perform weeding as per standard operation method • Perform spraying as per required method • Ensure health and safety standards
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Perform basic field operations for off season vegetable production
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Assessment Task	<ol style="list-style-type: none"> 1. Perform ploughing 2. Perform Planking 3. Perform operation through Laser Land Leveler 4. Perform management operations

I can.....

Performance Criteria	Yes	No
1. Select implements for ploughing	<input type="checkbox"/>	<input type="checkbox"/>
2. Arrange / fix implements for ploughing according to SOP	<input type="checkbox"/>	<input type="checkbox"/>
3. Ensure standard safety checks before and after use of machinery	<input type="checkbox"/>	<input type="checkbox"/>
4. Ensure pre and post-handling measures	<input type="checkbox"/>	<input type="checkbox"/>
5. Adhere to required safety standards	<input type="checkbox"/>	<input type="checkbox"/>
6. Identify and arrange tools for planking	<input type="checkbox"/>	<input type="checkbox"/>

7. Ensure standard safety checks before and after use of machinery	<input type="checkbox"/>	<input type="checkbox"/>
8. Fix implements for planking according to SOPs	<input type="checkbox"/>	<input type="checkbox"/>
9. Ensure cleanliness before and after use	<input type="checkbox"/>	<input type="checkbox"/>
10. Ensure safety standards involved in the process	<input type="checkbox"/>	<input type="checkbox"/>
11. Calibrate implement as per standard method	<input type="checkbox"/>	<input type="checkbox"/>
12. Ensure safety checks before and after use of machinery	<input type="checkbox"/>	<input type="checkbox"/>
13. Fix laser land leveler unit according to standard method	<input type="checkbox"/>	<input type="checkbox"/>
14. Operate laser land leveler according to standard method	<input type="checkbox"/>	<input type="checkbox"/>
15. Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>
16. Perform weeding as per standard operation method	<input type="checkbox"/>	<input type="checkbox"/>
17. Perform spraying as per required method	<input type="checkbox"/>	<input type="checkbox"/>
18. Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Perform basic field operations for off season vegetable production
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Assessment Summary (to be filled by the assessor)							
Activity	Method					Result	
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task		1. Perform ploughing 2. Perform Planking 3. Perform operation through Laser Land Leveler Perform management operations		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify and arrange tools for required task	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Perform operation of chisel plough according to SOP	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Identify standard operation of disc plough	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Perform process of bar harrow according to SOP	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Identify standard process of Rotavator	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Adhere to required safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Identify standard working of tractor engine	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Identify process involved in different power tools	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Perform different operation using tractor (ploughing, planking, spraying etc.)	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Identify equipment used for integrated pest management	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Identify equipment used for nutrition management	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Operate insect pest management equipment according to defined method	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Operate nutrition management equipment according to defined method	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Ensure required health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Identify implements involved in land preparation	<input type="checkbox"/>	<input type="checkbox"/>	

17.	Identify implements involved in media preparation	<input type="checkbox"/>	<input type="checkbox"/>	
18.	Perform standard operation through Laser Land Leveler	<input type="checkbox"/>	<input type="checkbox"/>	
19.	Operate Bed shaper/Ridger as per standard method	<input type="checkbox"/>	<input type="checkbox"/>	
20.	Perform standard operation through media preparatory equipment	<input type="checkbox"/>	<input type="checkbox"/>	
21.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
22.	Identify management and maintenance tools for off season vegetables	<input type="checkbox"/>	<input type="checkbox"/>	
23.	Operate management and maintenance tools as per standard method	<input type="checkbox"/>	<input type="checkbox"/>	
24.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
25.	Identify harvesting tools	<input type="checkbox"/>	<input type="checkbox"/>	
26.	Operate harvesting tools	<input type="checkbox"/>	<input type="checkbox"/>	
27.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
28.	Operate management and maintenance tools as per standard method	<input type="checkbox"/>	<input type="checkbox"/>	
29.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Tunnel Farming, Greenhouse & Agribusiness(Level-5)
Competency Standard	Perform basic field operations for off season vegetable production
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-around; align-items: center;"> COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> </div> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Enlist the implements for ploughing?		
2.	How will you fix and operate laser land leveler according to standard method?		
3.	How calibration of implements is done?		

4.	Describe the methods of weeding?		
5.	Narrate the methods of spraying?		

Feedback to the Candidate	
Candidate's Signature_____	Assessor's Signature _____