

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Prepare Land for Crop 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. Plan for Land preparation 2. Perform mechanical operation for land preparation 3. Perform manual operation for land preparation 4. Implement soil conditioning measures 5. Perform post land preparation 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. Plan for Land preparation <ul style="list-style-type: none"> • Identify and arrange required tools and equipment for land preparation • Ensure availability of required Personal Protective Equipment (PPE) as per the job requirements • Prepare plan for required tasks 2. Perform mechanical operation for land preparation <ul style="list-style-type: none"> • Identify and arrange required mechanical tillage implements • Perform pre checks of required machinery • Perform required mechanical operation for land preparation as per standard method • Ensure health and safety standards as per the SOPs 3. Perform manual operation for land preparation <ul style="list-style-type: none"> • Identify and arrange required appropriate hand tools • Perform manual operations for land preparation as per standard method • Ensure health and safety standards involved in required task 4. Implement soil conditioning measures
Minimum Evidence Required	

	<ul style="list-style-type: none"> • Recognize ideal soil types for vegetable production • Maintain standard soil organic matter ratio according to standard procedure • Ensure soil aeration and water holding capacity as per standard requirements • Ensure soil is well drained • Ensure record keeping • Ensure health and safety standards <p>5. Perform post land preparation operations</p> <ul style="list-style-type: none"> • Dispose of non-toxic waste and works debris as per farm policy and environmental standards. • Remove stones, sticks and debris as per standard criteria • 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	Prepare Land for Crop Production
Purpose of Assessment	Formative Assessment
Assessment Task	<ol style="list-style-type: none"> 1. Plan for Land preparation 2. Perform mechanical operation for land preparation 3. Perform manual operation for land preparation 4. Implement soil conditioning measures 5. Perform post land preparation operations

I can.....

Performance Criteria	Yes	No
1. Identify and arrange required tools and equipment for land preparation	<input type="checkbox"/>	<input type="checkbox"/>
2. Ensure availability of required Personal Protective Equipment (PPE) as per the job requirements	<input type="checkbox"/>	<input type="checkbox"/>

3. Prepare plan for required tasks	<input type="text"/>	<input type="text"/>
4. Identify and arrange required mechanical tillage implements	<input type="text"/>	<input type="text"/>
5. Perform pre checks of required machinery	<input type="text"/>	<input type="text"/>
6. Perform required mechanical operation for land preparation as per standard method	<input type="text"/>	<input type="text"/>
7. Ensure health and safety standards as per the SOPs	<input type="text"/>	<input type="text"/>
8. Identify and arrange required appropriate hand tools	<input type="text"/>	<input type="text"/>
9. Perform manual operations for land preparation as per standard method	<input type="text"/>	<input type="text"/>
10. Ensure health and safety standards involved in required task	<input type="text"/>	<input type="text"/>
11. Recognize ideal soil types for vegetable production	<input type="text"/>	<input type="text"/>
12. Maintain standard soil organic matter ratio according to standard procedure	<input type="text"/>	<input type="text"/>
13. Ensure soil aeration and water holding capacity as per standard requirements	<input type="text"/>	<input type="text"/>
14. Ensure soil is well drained	<input type="text"/>	<input type="text"/>
15. Ensure record keeping	<input type="text"/>	<input type="text"/>
16. Ensure health and safety standards	<input type="text"/>	<input type="text"/>
17. Dispose of non-toxic waste and works debris as per farm policy and environmental standards.	<input type="text"/>	<input type="text"/>
18. Remove stones, sticks and debris as per standard criteria	<input type="text"/>	<input type="text"/>
19. Identify and arrange required tools and equipment for land preparation	<input type="text"/>	<input type="text"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
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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. Plan for Land preparation 2. Perform mechanical operation for land preparation 3. Perform manual operation for land preparation 4. Implement soil conditioning measures 5. Perform post land preparation operations		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify and arrange required tools and equipment for land preparation	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Ensure availability of required Personal Protective Equipment (PPE) as per the job requirements	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Prepare plan for required tasks	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Identify and arrange required mechanical tillage implements	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Perform pre checks of required machinery	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Perform required mechanical operation for land preparation as per standard method	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Ensure health and safety standards as per the SOPs	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Identify and arrange required appropriate hand tools	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Perform manual operations for land preparation as per standard method	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Ensure health and safety standards involved in required task	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Recognize ideal soil types for vegetable production	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Maintain standard soil organic matter ratio according to standard procedure	<input type="checkbox"/>	<input type="checkbox"/>	

13.	Ensure soil aeration and water holding capacity as per standard requirements	<input type="text"/>	<input type="text"/>	
14.	Ensure soil is well drained	<input type="text"/>	<input type="text"/>	
15.	Ensure record keeping	<input type="text"/>	<input type="text"/>	
16.	Ensure health and safety standards	<input type="text"/>	<input type="text"/>	
17.	Dispose of non-toxic waste and works debris as per farm policy and environmental standards.	<input type="text"/>	<input type="text"/>	
18.	Remove stones, sticks and debris as per standard criteria	<input type="text"/>	<input type="text"/>	
19.	Identify and arrange required tools and equipment for land preparation	<input type="text"/>	<input type="text"/>	
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Prepare Land for Crop Production
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-between;"> 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 different tools and equipment for land preparation?		
2.	What is the role of laser land leveler?		
3.	Explain mechanical operation for land preparation?		
4.	Explain manual operation for land preparation?		
5.	What is the operating procedure of tools and equipment used for land preparation?		

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