

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Apply Flood Irrigation
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____ Registration/Roll Number_____
Guidance for Candidate	To meet this standard, you are required to complete the following within time frame (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Prepare work plan 2. Ensure pre-irrigation requirements 3. Prepare layout for flood irrigation 4. Perform flood irrigation
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to: <ol style="list-style-type: none"> 1. Prepare work plan <ul style="list-style-type: none"> • Identify and arrange required tools for measuring environmental conditions • Perform calibration of instruments if required • Perform quality checks • Prepare plan for required task • Ensure required safety standards 2. Ensure pre-irrigation requirements <ul style="list-style-type: none"> • Identify the conditions of selected area (topography, climate and soil) • Perform pre checks of required irrigation source • Identify and arrange required tools and equipment • Maintain Records • Ensure required safety standards 3. Prepare layout for flood irrigation <ul style="list-style-type: none"> • Identify and arrange required tools and equipment • Draw proper design for selected irrigation method • Maintain Records • Ensure required safety standards 4. Perform flood irrigation <ul style="list-style-type: none"> • Follow the planned layout design • Apply irrigation as per standard
Minimum Evidence Required	

	<ul style="list-style-type: none"> • 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	Apply Flood Irrigation
Purpose of Assessment	Formative Assessment
Assessment Task	<ol style="list-style-type: none"> 1. Prepare work plan 2. Ensure pre-irrigation requirements 3. Prepare layout for flood irrigation 4. Perform flood irrigation

I can.....

Performance Criteria	Yes	No
1. Identify and arrange required tools for measuring environmental conditions	<input type="checkbox"/>	<input type="checkbox"/>
2. Perform calibration of instruments if required	<input type="checkbox"/>	<input type="checkbox"/>
3. Perform quality checks	<input type="checkbox"/>	<input type="checkbox"/>
4. Prepare plan for required task	<input type="checkbox"/>	<input type="checkbox"/>
5. Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>
6. Identify the conditions of selected area (topography, climate, and soil)	<input type="checkbox"/>	<input type="checkbox"/>
7. Perform pre checks of required irrigation source	<input type="checkbox"/>	<input type="checkbox"/>
8. Identify and arrange required tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>

9. Maintain Records	<input type="checkbox"/>	<input type="checkbox"/>
10. Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify and arrange required tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>
12. Draw proper design for selected irrigation method	<input type="checkbox"/>	<input type="checkbox"/>
13. Maintain Records	<input type="checkbox"/>	<input type="checkbox"/>
14. Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>
15. Follow the planned layout design	<input type="checkbox"/>	<input type="checkbox"/>
16. Apply irrigation as per standard	<input type="checkbox"/>	<input type="checkbox"/>
17. 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	Apply Flood Irrigation
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. Prepare for work 2. Perform organic mulching 3. Perform in-organic mulching 4. Perform post application management		
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify and arrange required tools for measuring environmental conditions	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Perform calibration of instruments if required	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Perform quality checks	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Prepare plan for required task	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Identify the conditions of selected area (topography, climate and soil)	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Perform pre checks of required irrigation source	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Identify and arrange required tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>	
9.	Maintain Records	<input type="checkbox"/>	<input type="checkbox"/>	
10.	Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
11.	Identify and arrange required tools and equipment	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Draw proper design for selected irrigation method	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Maintain Records	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Follow the planned layout design	<input type="checkbox"/>	<input type="checkbox"/>	
16.	Apply irrigation as per standard	<input type="checkbox"/>	<input type="checkbox"/>	
17.	Ensure health and safety standards	<input type="checkbox"/>	<input type="checkbox"/>	

Competent <input type="checkbox"/>	Not Yet Competent <input type="checkbox"/>
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Knowledge Assessment

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Apply Flood Irrigation
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	<div style="display: flex; justify-content: space-around;"> 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 water sources?		
2.	Enlist conditions of selected area according to their (topography, soil and climate) conditions?		

3.	What are different irrigation layouts for flood irrigation?		
4.	Describe in detail the sowing plan as per irrigation layout?		
5.	How hygrometer is used to determine water deficiency in soil ?		
6.	Narrate the use of different irrigation equipment?		

7.	Which are the survey techniques for cost analysis?		
8.	How the selection of materials is done according to special farm requirements?		

Feedback to the Candidate	

Candidate's Signature _____ Assessor's Signature _____