

Instruction Sheet for the Candidate

Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Select Irrigation System
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. Identify of irrigation system 2. Prepare layout for Irrigation system 3. Cost Estimation
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to: <ol style="list-style-type: none"> 1. Identify of irrigation system <ul style="list-style-type: none"> • Identify source of irrigation water • Prepare plan for use of selected source • Identify and arrange tools as per the job requirement • Maintain Records • Ensure required safety standards 2. Prepare layout for Irrigation system <ul style="list-style-type: none"> • Identify available resource • Select irrigation method • Draw proper design for selected irrigation method • Maintain Records • Ensure required safety standards 3. Cost Estimation <ul style="list-style-type: none"> • Conduct market survey for cost estimation as per recommendation • Select suitable material as per requirement • Procure selected material as per SOPs • Maintain records as per prescribed format • Ensure required safety standards
Minimum Evidence Required	

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Tunnel Farming, Greenhouse & Agribusiness (Level-5)
Competency Standard	Select Irrigation System
Purpose of Assessment	Formative Assessment
Assessment Task	1. Identify of irrigation system 2. Prepare layout for Irrigation system 3. Cost Estimation

I can.....

Performance Criteria	Yes	No
1. Identify source of irrigation water	<input type="checkbox"/>	<input type="checkbox"/>
2. Prepare plan for use of selected source	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify and arrange tools as per the job requirement	<input type="checkbox"/>	<input type="checkbox"/>
4. Maintain Records	<input type="checkbox"/>	<input type="checkbox"/>
5. Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>
6. Identify available resource	<input type="checkbox"/>	<input type="checkbox"/>
7. Select irrigation method	<input type="checkbox"/>	<input type="checkbox"/>
8. Draw proper design for selected irrigation method	<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. Conduct market survey for cost estimation as per recommendation	<input type="checkbox"/>	<input type="checkbox"/>
12. Select suitable material as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
13. Procure selected material as per SOPs	<input type="checkbox"/>	<input type="checkbox"/>
14. Maintain records as per prescribed format	<input type="checkbox"/>	<input type="checkbox"/>
15. Ensure required 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	Select Irrigation System
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. Identify of irrigation system 2. Prepare layout for Irrigation system 3. Cost Estimation			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify source of irrigation water	<input type="checkbox"/>	<input type="checkbox"/>	
2.	Prepare plan for use of selected source	<input type="checkbox"/>	<input type="checkbox"/>	
3.	Identify and arrange tools as per the job requirement	<input type="checkbox"/>	<input type="checkbox"/>	
4.	Maintain Records	<input type="checkbox"/>	<input type="checkbox"/>	
5.	Ensure required safety standards	<input type="checkbox"/>	<input type="checkbox"/>	
6.	Identify available resource	<input type="checkbox"/>	<input type="checkbox"/>	
7.	Select irrigation method	<input type="checkbox"/>	<input type="checkbox"/>	
8.	Draw proper design for selected irrigation method	<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.	Conduct market survey for cost estimation as per recommendation	<input type="checkbox"/>	<input type="checkbox"/>	
12.	Select suitable material as per requirement	<input type="checkbox"/>	<input type="checkbox"/>	
13.	Procure selected material as per SOPs	<input type="checkbox"/>	<input type="checkbox"/>	
14.	Maintain records as per prescribed format	<input type="checkbox"/>	<input type="checkbox"/>	
15.	Ensure required 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	Select Irrigation System
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 different water sources?		
2.	How many different irrigation layout plans are there?		
3.	Briefly describe Irrigation layout as per sowing plan?		

4.	What are water deficiency symptoms and how these are identified in field?		
5.	Narrate the use of different irrigation equipment ?		
6.	How efficiently hygrometer is used of to evaluate water deficiency in soil?		
7.	Which are the surveys Techniques for cost analysis?		
8.	Selection of materials as per requirement		

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