

Instruction Sheet for the Candidate

Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Conduct Field survey
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 03 Hrs. time frame (for practical demonstration & assessment): <ul style="list-style-type: none"> • Identify survey equipment • Conduct Land Survey • Estimate survey cost
Time: 03 Hrs.	During a practical assessment, under observation by an assessor, you are required to
Minimum Evidence Required	Identify survey equipment <ol style="list-style-type: none"> 1. Identify field conditions (plain, mountain, plateau) 2. Identify survey equipment (Theodolite, staff rod, measuring tape, chain, rings, range poles, tripod stand) 3. Identify hurdles (trees, bushes, stones, bricks) Conduct Land Survey <ol style="list-style-type: none"> 1. Conduct a reconnaissance survey 2. Conduct a topographic survey 3. Estimate survey cut-fill ratio 4. Develop cut-fill map 5. Prepare a map of the survey field 6. Implement of a survey plan Identify field conditions (plain, mountain, plateau) Estimate survey cost

	<ol style="list-style-type: none"> 1. Estimate Cost variables 2. Estimate survey operation time 3. Estimate survey operation cost
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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Conduct Field survey
Purpose of Assessment	Formative Assessment
Assessment Task	<ul style="list-style-type: none"> Identify survey equipment Conduct Land Survey Estimate survey cost

I can.....

Performance Criteria	Yes	No
1. Identify field conditions (plain, mountain, plateau)	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify survey equipment (Theodolite, staff rod, measuring tape, chain, rings, range poles, tripod stand)	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify hurdles (trees, bushes, stones, bricks)	<input type="checkbox"/>	<input type="checkbox"/>
4. Conduct a reconnaissance survey	<input type="checkbox"/>	<input type="checkbox"/>
5. Conduct a topographic survey	<input type="checkbox"/>	<input type="checkbox"/>
6. Estimate survey cut-fill ratio	<input type="checkbox"/>	<input type="checkbox"/>
7. Develop cut-fill map	<input type="checkbox"/>	<input type="checkbox"/>
8. Prepare a map of the survey field	<input type="checkbox"/>	<input type="checkbox"/>
9. Implement of a survey plan Identify field conditions (plain, mountain, plateau)	<input type="checkbox"/>	<input type="checkbox"/>
10. Estimate Cost variables	<input type="checkbox"/>	<input type="checkbox"/>
11. Estimate survey operation time	<input type="checkbox"/>	<input type="checkbox"/>
12. Estimate survey operation cost	<input type="checkbox"/>	<input type="checkbox"/>
13. Identify field conditions (plain, mountain, plateau)	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Conduct Field survey
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	<ul style="list-style-type: none"> Identify survey equipment Conduct Land Survey Estimate survey cost 			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Identify field conditions (plain, mountain, plateau)			
2.	Identify survey equipment (Theodolite, staff rod, measuring tape, chain, rings, range poles, tripod stand)			
3.	Identify hurdles (trees, bushes, stones, bricks)			
4.	Conduct a reconnaissance survey			
5.	Conduct a topographic survey			
6.	Estimate survey cut-fill ratio			
7.	Develop cut-fill map			
8.	Prepare a map of the survey field			
9.	Implement of a survey plan Identify field conditions (plain, mountain, plateau)			
10.	Estimate Cost variables			
11.	Estimate survey operation time			
12.	Estimate survey operation cost			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	Agricultural Machinery Technician (AMT) Level-4
Competency Standard	Conduct Field survey
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.	Name any four-survey equipment		
2.	State any three factors involved in site selection		
3.	What is purpose of survey		

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