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Islamabad



SATELLITE DISH INSTALLER



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ASSESSMENT PACKAGE
National Vocational Certificate Level 2

Version 1 - October, 2019



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SATELLITE DISH INSTALLER



ASSESSMENT PACKAGE
National Vocational Certificate Level 2

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Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	
Competency Standards	0619001081 Develop Basic Electrical / Electronic Skills
Assessment Task	To conduct iron conduit surface wiring for a three-phase industrial motor on a dish antenna (Sample as given in Annexure-A) and generate a task completion report as per Annexure-B.

I can.....

Performance Criteria	Yes	No
1. Interpret electrical drawing/document as per given drawing	<input type="checkbox"/>	<input type="checkbox"/>
2. Identify Electrical cables as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
3. Lay Electrical cables as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
4. Connect earthing as per given task	<input type="checkbox"/>	<input type="checkbox"/>
5. Select cables colors as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
6. Select cable gauge as per given job	<input type="checkbox"/>	<input type="checkbox"/>
7. Select tools and equipment as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
8. Connect cables as per given instructions	<input type="checkbox"/>	<input type="checkbox"/>
9. Insulate Joints as per require specification	<input type="checkbox"/>	<input type="checkbox"/>
10. Measure cables as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
11. Connect cables as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
12. Perform joints as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
13. Insulate Joints as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
14. Operate multi-meter for voltage and current as per given load	<input type="checkbox"/>	<input type="checkbox"/>
15. Perform continuity test as per given job	<input type="checkbox"/>	<input type="checkbox"/>
16. Perform polarity test as per given job	<input type="checkbox"/>	<input type="checkbox"/>
17. Perform earthing test as per given job	<input type="checkbox"/>	<input type="checkbox"/>
18. Perform insulation test as per given job	<input type="checkbox"/>	<input type="checkbox"/>
19. Record test results as per given job	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____

Assessor's

Signature _____

Date: _____

Instruction Sheet for the Candidate

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001081 Develop Basic Electrical / Electronic Skills

Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	To meet this standard, you are required to complete the following within the given time frame (for practical demonstration & assessment): To conduct iron conduit surface wiring for a three-phase industrial motor on a dish antenna (Sample as given in Annexure-A) and generate a task completion report as per Annexure-B.
Time:180 mins	During a practical assessment, under observation by an assessor, you are required to conduct iron conduit surface wiring for a three-phase industrial motor on a dish antenna and generate a task completion report. demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Interpret electrical drawing/document as per given drawing 2. Identify Electrical cables as per requirements 3. Lay Electrical cables as per requirements 4. Connect earthing as per given task 5. Select cables colors as per requirements 6. Select cable gauge as per given job 7. Select tools and equipment as per requirements 8. Connect cables as per given instructions 9. Insulate Joints as per require specification 10. Measure cables as per requirement 11. Connect cables as per requirement 12. Perform joints as per requirement 13. Insulate Joints as per requirement 14. Operate multi-meter for voltage and current as per given load 15. Perform continuity test as per given job 16. Perform polarity test as per given job 17. Perform earthing test as per given job 18. Perform insulation test as per given job 19. Record test results as per given job

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001081 Develop Basic Electrical / Electronic Skills
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	<p>COMPETENT <input type="checkbox"/> NOT YETCOMPETENT <input type="checkbox"/></p> <p>Name of the Assessor _____ Assessor's code: _____</p> <p>Signature: _____</p>

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

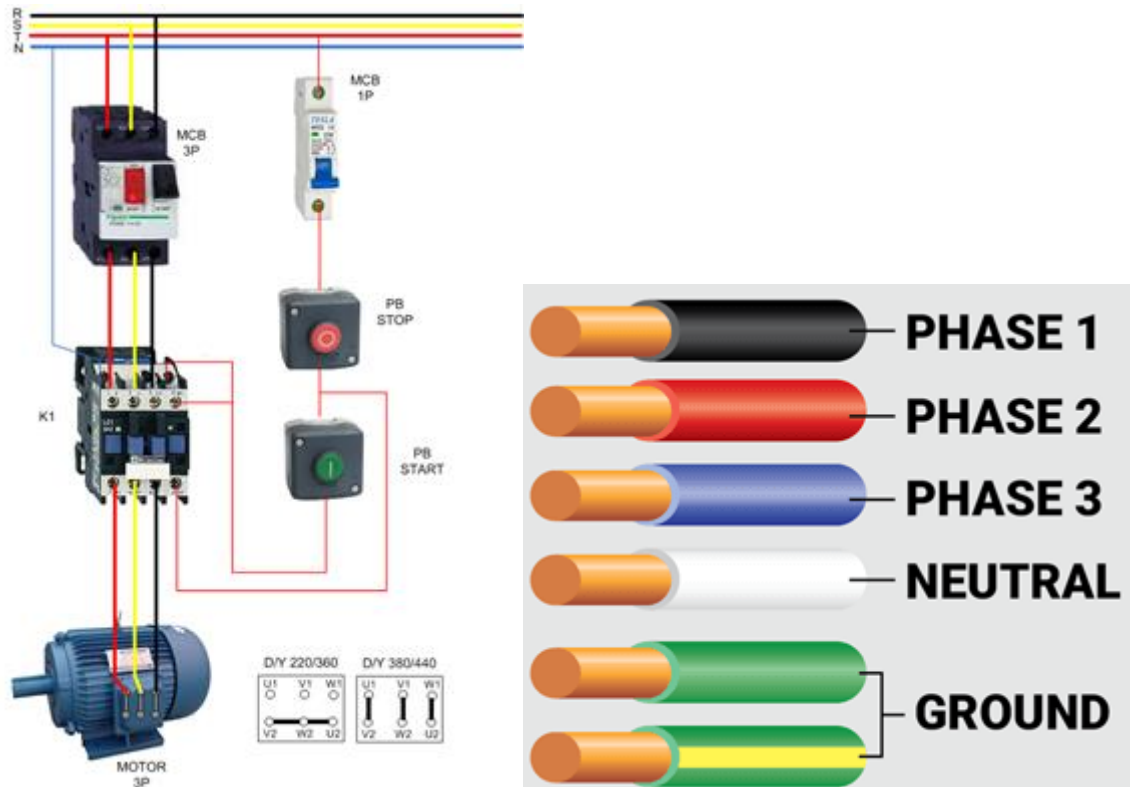
Observation Checklist

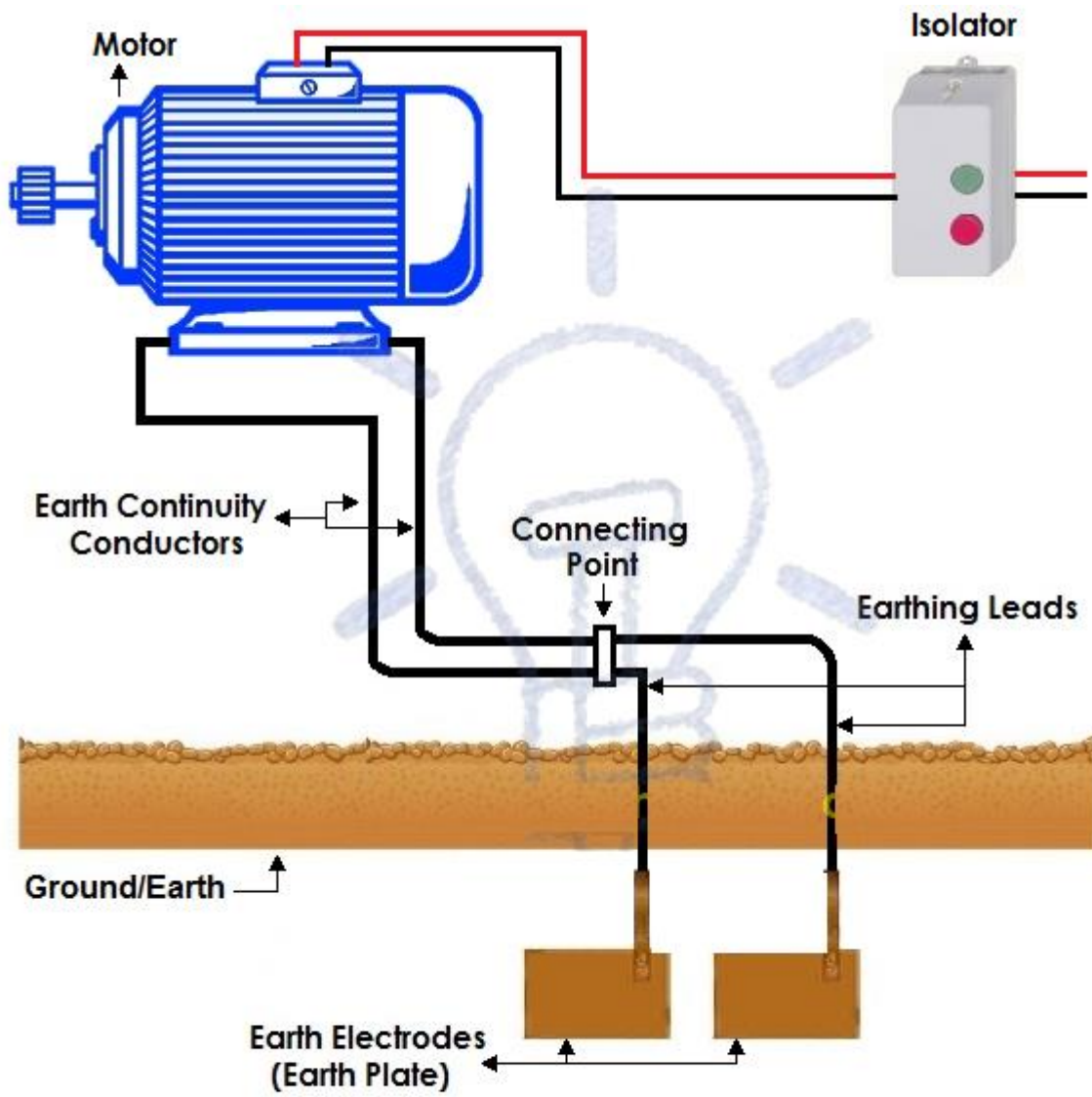
Assessment Task				
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Interpret electrical drawing/document as per given drawing			
2.	Identify Electrical cables as per requirements			
3.	Lay Electrical cables as per requirements			
4.	Connect earthing as per given task			
5.	Select cables colors as per requirements			
6.	Select cable gauge as per given job			
7.	Select tools and equipment as per requirements			
8.	Connect cables as per given instructions			
9.	Insulate Joints as per require specification			
10.	Measure cables as per requirement			
11.	Connect cables as per requirement			
12.	Perform joints as per requirement			
13.	Insulate Joints as per requirement			
14.	Operate multi-meter for voltage and current as per given load			
15.	Perform continuity test as per given job			
16.	Perform polarity test as per given job			
17.	Perform earthing test as per given job			
18.	Perform insulation test as per given job			
19.	Record test results as per given job			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

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

Annexure-A

The following Reference Images shows sample work for the task given in the assessment guide.





Annexure-B

Learner Name: _____

Competency Standard: _____

Activity/Outcomes:

1. Perform continuity test as per given job
2. Perform polarity test as per given job
3. Perform earthing test as per given job
4. Perform insulation test as per given job

LOGBOOK					
Date	Assignment / Activity	Start Time	Finish Time	Total Time	Status
Date:	Learner Signature	Date:	Mentor/Supervisor/ Witness signature		

Knowledge Assessment

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001080 Develop Basic Electrical / Electronic Skills
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YETCOMPETENT <input type="checkbox"/> 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.	<i>Question</i>		
	<i>Candidate's response</i>		
2.			
3.			
4.			
5.			

6.			
7.			
8.			

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standards	0619001083 Assemble Dish Antenna
Assessment Task	Perform following Task: (a) Assemble Dish Stand (b) Assemble Dish Antenna (c) Attach Dish Antenna with stand

I can.....

Performance Criteria	Yes	No
1. Select tools and equipment as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
2. Select dish stand as per size requirement	<input type="checkbox"/>	<input type="checkbox"/>
3. Identify parts of stand as per given task	<input type="checkbox"/>	<input type="checkbox"/>
4. Assemble stand of dish antenna as per drawing	<input type="checkbox"/>	<input type="checkbox"/>
5. Identify pieces of dish antenna as per given task	<input type="checkbox"/>	<input type="checkbox"/>
6. Assemble dish pieces as per sequence	<input type="checkbox"/>	<input type="checkbox"/>
7. Identify horizontal/vertical actuators as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
8. Adjust arc of actuator between North and South as per given task	<input type="checkbox"/>	<input type="checkbox"/>
9. Adjust arc of actuator between East and West as per given task	<input type="checkbox"/>	<input type="checkbox"/>
10. Install limit switches as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
11. Identify LNB support arm for downlink as per given task	<input type="checkbox"/>	<input type="checkbox"/>
12. Mount LNB supports arm with satellite dish as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
13. Fix feed-horn at the top of support arms as per standard	<input type="checkbox"/>	<input type="checkbox"/>
14. Fix LNB in feed-horn as per focal length	<input type="checkbox"/>	<input type="checkbox"/>
15. Fix dual feed-horn for C and Ku bands as per standard.	<input type="checkbox"/>	<input type="checkbox"/>
16. Identify LNA support arm for uplink as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
17. Mount LNA supports arm with satellite dish as per standard.	<input type="checkbox"/>	<input type="checkbox"/>
18. Fix feed-horn at the top of support arms as per standard.	<input type="checkbox"/>	<input type="checkbox"/>
19. Fix LNA in feed-horn as per focal length	<input type="checkbox"/>	<input type="checkbox"/>

National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)

20. Connect LNA with transmitter through wave guide	<input type="checkbox"/>	<input type="checkbox"/>
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Candidate's Signature _____

Assessor's

Signature _____

Date: _____

Instruction Sheet for the Candidate

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001083 Assemble Dish Antenna

Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	<p>To meet this standard you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <p>(d) Assemble Dish Stand (e) Assemble Dish Antenna (f) Attach Dish Antenna with stand</p>
Time: 90 Mins	During a practical assessment, under observation by an assessor, you are required to Assemble Dish Stand, Dish Antenna and Attach Dish Antenna with stand demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Select tools and equipment as per requirement 2. Select dish stand as per size requirement 3. Identify parts of stand as per given task 4. Assemble stand of dish antenna as per drawing 5. Identify pieces of dish antenna as per given task 6. Assemble dish pieces as per sequence 7. Identify horizontal/vertical actuators as per requirement 8. Adjust arc of actuator between North and South as per given task 9. Adjust arc of actuator between East and West as per given task 10. Install limit switches as per requirement 11. Identify LNB support arm for downlink as per given task 12. Mount LNB supports arm with satellite dish as per requirement 13. Fix feed-horn at the top of support arms as per standard 14. Fix LNB in feed-horn as per focal length 15. Fix dual feed-horn for C and Ku bands as per standard. 16. Identify LNA support arm for uplink as per given task. 17. Mount LNA supports arm with satellite dish as per standard. 18. Fix feed-horn at the top of support arms as per standard. 19. Fix LNA in feed-horn as per focal length 20. Connect LNA with transmitter through wave guide

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001083 Assemble Dish Antenna
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YETCOMPETENT <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	Perform following Task: (g) Assemble Dish Stand (h) Assemble Dish Antenna (i) Attach Dish Antenna with stand			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Selected tools and equipment as per requirement			
2.	Selected dish stand as per size requirement			
3.	Identified parts of stand as per given task			
4.	Assembled stand of dish antenna as per drawing			
5.	Identified pieces of dish antenna as per given task			
6.	Assembled dish pieces as per sequence			
7.	Identified horizontal/vertical actuators as per requirement			
8.	Adjusted arc of actuator between North and South as per given task			
9.	Adjusted arc of actuator between East and West as per given task			
10.	Installed limit switches as per requirement			
11.	Identified LNB support arm for downlink as per given task			
12.	Mounted LNB supports arm with satellite dish as per requirement			
13.	Fixed feed-horn at the top of support arms as per standard			
14.	Fixed LNB in feed-horn as per focal length			
15.	Fixed dual feed-horn for C and Ku bands as per standard.			
16.	Identified LNA support arm for uplink as per given task.			
17.	Mounted LNA supports arm with satellite dish as per standard.			
18.	Fixed feed-horn at the top of support arms as per standard.			
19.	Fixed LNA in feed-horn as per focal length			
20.	Connected LNA with transmitter through wave guide			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

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

6.			
7.			

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standards	0619001082 Perform Cable Connection
Assessment Task	Perform following task: (a) Cable layout from satellite dish to TV & receiver. (b) Make connectors and perform cabling

I can.....

Performance Criteria	Yes	No
1. Select splitter as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
2. Make "IF" connecter with coaxial cable as per given job	<input type="checkbox"/>	<input type="checkbox"/>
3. Mount splitter with screw as required.	<input type="checkbox"/>	<input type="checkbox"/>
4. Connect in/out cable with splitter as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
5. Measure cables as per route	<input type="checkbox"/>	<input type="checkbox"/>
6. Select cable as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
7. Perform ducting/piping as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
8. Lay cables as per standard.	<input type="checkbox"/>	<input type="checkbox"/>
9. Select Diseqc switch as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
10. Make "IF" connecter with coaxial cable as per given task	<input type="checkbox"/>	<input type="checkbox"/>
11. Mount Diseqc switch with screw as per standard	<input type="checkbox"/>	<input type="checkbox"/>
12. Connect in/out cable with Diseqc switch as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
13. Make "IF" connecter with all coaxial cable as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
14. Connect one end of cable with LNB/LNA as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
15. Connect other end in the input of Diseqc switch/Splitter as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
16. Connect one end of the cable at the output of Diseqc switch/Splitter as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
17. Connect other end of the cable with input of given satellite receiver.	<input type="checkbox"/>	<input type="checkbox"/>
18. Select audio, video and HDMI cables as per standard	<input type="checkbox"/>	<input type="checkbox"/>

19. Identify input/output ports of Display unit and Receiver as per given task	<input type="checkbox"/>	<input type="checkbox"/>
20. Connect output of Receiver with input of Display unit as per given task	<input type="checkbox"/>	<input type="checkbox"/>
21. Connect power cables of Receiver and display unit with power supply as per requirement	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____

Assessor's

Signature _____

Date: _____

Instruction Sheet for the Candidate

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001082 Perform Cable Connection

Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	To meet this standard you are required to complete the following within the given time frame (for practical demonstration & assessment): (c) Layout Cable from satellite dish to satellite receiver. (d) Make connectors and perform cabling.
Time: 120 Mins	During a practical assessment, under observation by an assessor, you are required to perform cable layout & cabling from satellite dish to TV & receiver demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Select splitter as per requirement. 2. Make "IF" connector with coaxial cable as per given job 3. Mount splitter with screw as required. 4. Connect in/out cable with splitter as per given task. 5. Measure cables as per route 6. Select cable as per requirement 7. Perform ducting/piping as per requirement 8. Lay cables as per standard. 9. Select Diseqc switch as per requirement. 10. Make "IF" connector with coaxial cable as per given task 11. Mount "Diseqc switch" with screw as per standard. 12. Connect in/out cable with "Diseqc switch" as per requirement. 13. Make "IF" connector with all coaxial cable as per given task. 14. Connect one end of cable with LNB/LNA as per given task. 15. Connect other end in the input of Diseqc switch/Splitter as per given task. 16. Connect one end of the cable at the output of Diseqc switch/Splitter as per given task. 17. Connect other end of the cable with input of given satellite receiver. 18. Select audio, video and HDMI cables as per standard 19. Identify input/output ports of Display unit and Receiver as per given task 20. Connect output of Receiver with input of Display unit as per given task 21. Connect power cables of Receiver and display unit with power supply as per requirement

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)
Competency Standard(s)	0619001082 Perform Cable Connection
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	
	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Nature of Activity							
Practical Skill Demonstration			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task	Perform following task: (e) Cable layout from satellite dish to TV & receiver. (f) Make connectors and perform cabling		
During the practical assessment, candidate demonstrated the following:	Yes	No	Remarks
1. Selected splitter as per requirement.			
2. Made "IF" connector with coaxial cable as per given job.			
3. Mounted splitter with screw as required.			
4. Connected in/out cable with splitter as per given task.			
5. Measured cables as per route			
6. Selected cable as per requirement			
7. Performed ducting/piping as per requirement			
8. Laid cables as per standard.			
9. Selected Diseqc switch as per requirement.			
10. Made "IF" connector with coaxial cable as per given task			
11. Mounted Diseqc switch with screw as per standard			
12. Connected in/out cable with Diseqc switch as per requirement.			
13. Made "IF" connector with all coaxial cable as per given task.			
14. Connected one end of cable with LNB/LNA as per given task.			
15. Connected other end in the input of Diseqc switch/Splitter as per given task.			
16. Connected one end of the cable at the output of Diseqc switch/Splitter as per given task.			
17. Connected other end of the cable with input of given satellite receiver.			
18. Selected audio, video and HDMI cables as per standard			
19. Identified input/output ports of Display unit and Receiver as per given task			
20. Connected output of Receiver with input of Display unit as per given task			
21. Connected power cables of Receiver and display unit with power supply as per requirement			
Competent <input type="checkbox"/>	Not Yet Competent <input type="checkbox"/>		

6.			
7.			
8.			
9.			
10.			

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	National Vocational Certificate level 2, in Electronics Sector (Satellite Dish Installer) 0619 ICT 006
Competency Standards	<ol style="list-style-type: none"> 1. Comply Personal Health and Safety Guidelines 2. Communicate the Workplace Policy and Procedure 3. Perform Basic Communication (Specific) 4. Perform Basic Computer Application (Specific) 5. Demonstrate Basic Numeracy Skills 6. Develop Basic Electrical/ Electronic Skills 7. Perform Cable Connection 8. Assemble Dish Antenna
Assessment Task	Perform following task: (a) Assemble satellite dish with stand. (b) Layout Cable from satellite dish to satellite receiver adopting OHS procedures. (c) Make connectors and perform cabling and properly tag them.

I can.....

Performance Criteria	Yes	No
1. Select tools and equipment as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
2. Select personal protective equipment	<input type="checkbox"/>	<input type="checkbox"/>
3. Select dish stand as per size requirement	<input type="checkbox"/>	<input type="checkbox"/>
4. Identify parts of stand as per given task	<input type="checkbox"/>	<input type="checkbox"/>
5. Assemble stand of dish antenna as per drawing	<input type="checkbox"/>	<input type="checkbox"/>
6. Identify pieces of dish antenna as per given task	<input type="checkbox"/>	<input type="checkbox"/>
7. Identify horizontal/vertical actuators as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
8. Adjust arc of actuator between North and South as per given task	<input type="checkbox"/>	<input type="checkbox"/>
9. Adjust arc of actuator between East and West as per given task	<input type="checkbox"/>	<input type="checkbox"/>
10. Install limit switches as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
11. Mount LNB supports arm with satellite dish as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
12. Fix feed-horn at the top of support arms as per standard	<input type="checkbox"/>	<input type="checkbox"/>
13. Fix LNB in feed-horn as per focal length	<input type="checkbox"/>	<input type="checkbox"/>
14. Fix dual feed-horn for C and Ku bands as per standard.	<input type="checkbox"/>	<input type="checkbox"/>
15. Lay Electrical cables as per requirements	<input type="checkbox"/>	<input type="checkbox"/>
16. Connect earthing as per given task	<input type="checkbox"/>	<input type="checkbox"/>
17. Connect cables as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
18. Perform joints as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
19. Insulate Joints as per requirement	<input type="checkbox"/>	<input type="checkbox"/>

20. Select splitter as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
21. Connect in/out cable with splitter as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
22. Measure cables as per route	<input type="checkbox"/>	<input type="checkbox"/>
23. Select cable as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
24. Perform ducting/piping as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
25. Select Diseqc switch as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>
26. Make "IF" connecter with coaxial cable as per given task	<input type="checkbox"/>	<input type="checkbox"/>
27. Mount "Diseqc switch" with screw as per standard.	<input type="checkbox"/>	<input type="checkbox"/>
28. Connect one end of cable with LNB/LNA as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
29. Connect one end of the cable at the output of Diseqc switch/Splitter as per given task.	<input type="checkbox"/>	<input type="checkbox"/>
30. Select audio, video and HDMI cables as per standard	<input type="checkbox"/>	<input type="checkbox"/>
31. Identify input/output ports of Display unit and Receiver as per given task	<input type="checkbox"/>	<input type="checkbox"/>
32. Connect power cables of Receiver and display unit with power supply as per requirement	<input type="checkbox"/>	<input type="checkbox"/>
33. Prepare and print pre-cautionary and cable tags using computer.	<input type="checkbox"/>	<input type="checkbox"/>
34. Paste the tags on appropriate places as per requirement.	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____
Signature _____
Date: _____

Assessor's

Instruction Sheet for the Candidate

Candidate	National Vocational Certificate level 2, in Electronics Sector (Satellite Dish Installer) 0619 ICT 006
Competency Standard(s)	1. Comply Personal Health and Safety Guidelines
Guidance for Candidate	<p>To meet this standard you are required to complete the following within the given time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> 4. Perform Basic Computer Application (Specific) 5. Demonstrate Basic Numeracy Skills 6. Layout Cable from satellite dish to satellite receiver adopting OHS procedures 7. Make connectors and perform cabling and properly tag them.
Time: 240 Mins	<p>During a practical assessment, under observation by an assessor, you are required to perform cable layout & cabling from satellite dish to TV & receiver demonstrating the following criteria:</p> <ol style="list-style-type: none"> 1. Select tools and equipment as per requirement 2. Select personal protective equipment 3. Select dish stand as per size requirement 4. Identify parts of stand as per given task 5. Assemble stand of dish antenna as per drawing 6. Identify pieces of dish antenna as per given task 7. Identify horizontal/vertical actuators as per requirement 8. Adjust arc of actuator between North and South as per given task 9. Adjust arc of actuator between East and West as per given task 10. Install limit switches as per requirement 11. Mount LNB supports arm with satellite dish as per requirement 12. Fix feed-horn at the top of support arms as per standard 13. Fix LNB in feed-horn as per focal length 14. Fix dual feed-horn for C and Ku bands as per standard. 15. Lay Electrical cables as per requirements 16. Connect earthing as per given task 17. Connect cables as per requirement 18. Perform joints as per requirement 19. Insulate Joints as per requirement 20. Select splitter as per requirement. 21. Connect in/out cable with splitter as per given task. 22. Measure cables as per route 23. Select cable as per requirement 24. Perform ducting/piping as per requirement 25. Select Diseqc switch as per requirement. 26. Make "IF" connector with coaxial cable as per given task 27. Mount "Diseqc switch" with screw as per standard. 28. Connect one end of cable with LNB/LNA as per given task. 29. Connect one end of the cable at the output of Diseqc switch/Splitter as per given task. 30. Select audio, video and HDMI cables as per standard 31. Identify input/output ports of Display unit and Receiver as per given task 32. Connect power cables of Receiver and display unit with power supply as per requirement 33. Prepare and print pre-cautionary and cable tags using computer. 34. Paste the tags on appropriate places as per requirement.
Minimum Evidence Required	

Assessors Judgment Guide

Qualification	National Vocational Certificate level 1 to 4, in Electronics Sector (Satellite Dish Installer)						
Competency Standard(s)	<ol style="list-style-type: none"> 1. Comply Personal Health and Safety Guidelines 2. Communicate the Workplace Policy and Procedure 3. Perform Basic Communication (Specific) 4. Perform Basic Computer Application (Specific) 5. Demonstrate Basic Numeracy Skills 6. Develop Basic Electrical/ Electronic Skills 7. Perform Cable Connection 8. Assemble Dish Antenna 						
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____						
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YETCOMPETENT <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				
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Selected tools and equipment as per requirement			
2.	Selected personal protective equipment			
3.	Selected dish stand as per size requirement			
4.	Identified parts of stand as per given task			
5.	Assembled stand of dish antenna as per drawing			
6.	Identified pieces of dish antenna as per given task			
7.	Identified horizontal/vertical actuators as per requirement			
8.	Adjusted arc of actuator between North and South as per given task			
9.	Adjusted arc of actuator between East and West as per given task			
10.	Installed limit switches as per requirement			
11.	Mounted LNB supports arm with satellite dish as per requirement			
12.	Fixed feed-horn at the top of support arms as per standard			
13.	Fix LNB in feed-horn as per focal length			
14.	Fixed dual feed-horn for C and Ku bands as per standard.			
15.	Laid Electrical cables as per requirements			
16.	Connected earthing as per given task			
17.	Connected cables as per requirement			
18.	Performed joints as per requirement			
19.	Insulated Joints as per requirement			
20.	Selected splitter as per requirement.			
21.	Connected in/out cable with splitter as per given task.			
22.	Measured cables as per route			
23.	Selected cable as per requirement			
24.	Performed ducting/piping as per requirement			
25.	Selected Diseqc switch as per requirement.			
26.	Made "IF" connecter with coaxial cable as per given task			
27.	Mounted "Diseqc switch" with screw as per standard.			
28.	Connected one end of cable with LNB/LNA as per given task.			
29.	Connected one end of the cable at the output of Diseqc switch/Splitter as per given task.			
30.	Selected audio, video and HDMI cables as per standard			
31.	Identified input/output ports of Display unit and Receiver as per given task			
32.	Connected power cables of Receiver and display unit with power supply as per requirement			

33.	Prepared and printed pre-cautionary and cable tags using computer.			
34.	Pasted the tags on appropriate places as per requirement.			
Competent		<input type="checkbox"/>	Not Yet Competent	
			<input type="checkbox"/>	

