

Reference. No.															
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SELF ASSESSMENT GUIDE

Qualification:	ELECTRICAL INSTALLATION AND MAINTENANCE NC III		
Units of Competency covered:	<ul style="list-style-type: none"> • Perform Rough-in Activities for Three-phase Distribution System for Power, Lighting and Motor Control Panel • Perform installation of data measurement and control system on electrical and auxiliary equipment. • Install, assemble, test and maintain motor control system 		
Instruction:			
<ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answer. 			
Can I?	YES	NO	
Perform Rough-in Activities for Three-phase Distribution System for Power, Lighting and Motor Control Panel			
• Interpret plans and detailed drawing			
• Identify required proofing of the panel and enclosure			
• Identify and request materials, tools, equipment, testing devices and PPE needed to complete job requirements in line with prepared work instructions			
• Check the functional and defective tools, materials and equipment			
• Identify potential hazards for prevention and selects control measures in accordance with the work plan and site procedures			
• Identify the functional and defective tools materials and equipment			
• Use different type of wire and cables depend upon the application			
• Install cable tray, lighting panel, power panel and motor panel in accordance with standard and as per job requirement.			
• Apply pulling compound for the installation and inserting of wires in a conduit			
• Bend and install conduit as per job requirement			
• Apply safety requirements for wiring works			
• Perform good housekeeping			
• Perform commissioning activities			

<ul style="list-style-type: none"> • Perform installation of data measurement and control system on electrical and auxiliary equipment 		
<ul style="list-style-type: none"> • Interpret plans and detailed drawing 		
<ul style="list-style-type: none"> • Handle tools, materials and equipment correctly 		
<ul style="list-style-type: none"> • Check and quantify items as needed in the job requirement 		
<ul style="list-style-type: none"> • Apply active and non-active test of tools and equipment to ensure its functionality. 		
<ul style="list-style-type: none"> • Perform correct procedures for installation of electrical system and auxiliary in line with job requirements* 		
<ul style="list-style-type: none"> • Splice, dress and harness wires in accordance with the standard 		
<ul style="list-style-type: none"> • Responds to unplanned events or conditions accordingly 		
<ul style="list-style-type: none"> • Terminate and mount auxiliary equipment in accordance with the required standard. 		
<ul style="list-style-type: none"> • Perform installation economically 		
<ul style="list-style-type: none"> • Check and conform installation based on the job requirement. 		
<ul style="list-style-type: none"> • Perform good housekeeping 		
<ul style="list-style-type: none"> • Perform commissioning activities 		
Install, assemble, test and maintain motor control system		
<ul style="list-style-type: none"> • Check and quantify item needed based on the job requirements 		
<ul style="list-style-type: none"> • Check and identify correct rating, quantity, sizes and type of control components, wiring devices and other materials in line with job requirements 		
<ul style="list-style-type: none"> • Interpret electrical wiring diagram of motor control system 		
<ul style="list-style-type: none"> • Interpret electrical wiring diagram of motor control system 		
<ul style="list-style-type: none"> • Identify defective and/or substandard electrical materials and reports to immediate supervisor 		
<ul style="list-style-type: none"> • Lay out, mount or install and wire electrical components, and control devices according to drawings, plans, specifications based on standards 		
<ul style="list-style-type: none"> • Wire-up required / type of electrical motor controller based on the standard 		
<ul style="list-style-type: none"> • Lay out, mount or install and wire electrical components, motor and wiring devices according to drawings, plans, specifications based on standards 		

• Follow work schedule to ensure job is completed on time in accordance to a quality standard and minimum wastage		
• Connect and terminate motor terminal leads out to the required existing power supply.		
• Wire-up required electrical control based on the required standard		
• Check for continuity test or ohmmeter test and insulation test to the motor terminal based on the required standard		
• Notify immediate superior upon completion of work		
• Perform installation economically		
• Dispose waste materials and hazardous substances in accordance with environmental rules and procedures		
• Clean, check and return to storage tools, equipment and any surplus materials in accordance with established procedures		
• Perform commissioning activities		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
Candidate's Name & Signature	Date:	

NOTE: *Critical Aspects of Competency