

It's Objective, learning outcomes, Modules, assessments and material list

NAME OF THE COURSE:

<p>Submitted to :- Bihar Skill Development Mission, Labour Resources Department, GoB</p>	<p>Submitted By :- Quess Corp Limited</p>
	<p>Session :</p>

Course name:

- Course Id-
- Candidate Eligibility : 8th Class
- Course Duration: (In hours) 500

CONTACT DETAILS OF THE BODY SUBMITTING THE QUALIFICATION FILE

Name and address of submitting body: Quess Corp Limited Quess House, 3/3/2 Bellandur Gate, Sarjapur Road, Bengaluru 560103, Karnataka, India

Name and contact details of individual dealing with the submission

Name : Mr. Shashank Shivashankar

Position in the organization : AVP

Tel number(s) (Mobile no.) : 7411539956

Website : www.Quesscorp.com

E-mail address : parivartan@ikyglobal.com

List of documents submitted in support of the Qualifications File

1. Curriculum Document

SUMMARY

Qualification Title	Bar bender & steel Fixer
Qualification Code	
Nature and purpose of the qualification	<p>Nature</p> <p>70 days course for the job role of Bar bender and steel fixer</p> <p>Purpose</p> <p>Individuals in this position learn about how to perform the role of Bar bender & steel fixer</p>
Body/bodies which will award the qualification	
Occupation(s) to which the qualification gives access	Bar bender & Steel Fixer
Entry requirements and / or recommendations	8th Standard Pass

1. OBJECTIVE OF THE COURSE: -

Individuals in this position will be able to take up the job role of bar bender & steel fixer in construction sector.

2. LEARNING OUTCOMES:-

1. Interpret reinforcement bar detail from hand sketches.
2. Use materials, tools, and equipment relevant to reinforcement works

3. Cut reinforcement bars and bend them manually in simple shapes
4. Fabricate, place and fix reinforcement bar for pre- fabricated and in-situ RCC Structures
5. Work effectively in a team to deliver desired results at the workplace.

3. MODULE- 60 DAYS (Bar bender & Steel Fixer)

Sl.	Module	Key Learning outcomes	Equipment required
1.	<p>Introduction to bar bending & steel Fixing</p> <p>Theory duration (hh:mm) 32:00</p> <p>Practical duration (hh:mm) 00:00</p>	<ul style="list-style-type: none"> • Introduction on Construction Domain- Understanding construction activities • Introduction on Institution & Trade- Understanding the Context • Introduction to components- Understanding the importance of trade • Identify safety equipment and how to wear helmet & safety belt etc. • BBT - Hand tools & power tools & trade glossary • Ties • Steel Selection • Straightening & Stacking • Bending Links & Hooks • Cranks / Shear Bars 	
2.	<p>Introduction to bar bending & steel Fixing</p> <p>Theory duration (hh:mm) 00:00</p> <p>Practical duration (hh:mm) 168:00</p>	<ul style="list-style-type: none"> • Identify safety equipments and how to wear helmet & safety belt etc. • Identification of Tools • All Ties • Selection of steel & Cutting • Straightening & Stacking of steel , Loading, Shifting, Unloading, and Stacking • Bending Links & Hooks Practical • Bending Links & Hooks Practical 	<ol style="list-style-type: none"> 1. Chisel 2. Hammer 3. Bending Lever 4. Gauge measure 5. Water Level 6. Plumb bob 7. Measurement tape 8. Wooden plan 9. Safety halmet 10. Safety goggles 11. Sledge hammer 12. Bending lever 13. Pin plate 14. Working bench 15. Binding hook 16. Chalk piece 17. Almunium Ladder <p>Material required TMT rod – 8 mm TMT rod – 10 mm MS Binding wire – 18 mm Timber for working table</p> <p>Consumables Cotton waste Chalk piece box Line thread</p>
	<p>Employability Skills</p> <p>Theory duration (hh:mm)</p>	<ul style="list-style-type: none"> • Basic IT Skills <ul style="list-style-type: none"> ✓ Ice breaker ✓ IT in the construction industry ✓ Computer - Importance and its impact 	

<p>3.</p>	<p>108:00 Practical duration (hh:mm) 00:00</p>	<ul style="list-style-type: none"> ✓ Basic operations of a computer ✓ Cache Memory ✓ RAM and ROM ✓ Processor ✓ Formatting ✓ Printers and Scanners ✓ Operating Systems ✓ Common Troubleshooting ✓ Basics of Microsoft Office ✓ Basic Network Structure ✓ Basic internet terminologies ✓ Identity theft and Firewalls • Digital Literacy <ul style="list-style-type: none"> ✓ Definition of digital literacy ✓ Concepts and sub concepts of digital literacy ✓ Demand for digital skills in a changing economic environment ✓ Mapping of digital literacy framework ✓ Building a digitally-resilient workforce ✓ Today's reality: workers lacking digital skills ✓ Understanding fragmented knowledge ✓ Digital skill gaps in construction sector ✓ Conceptualising success in the workplace • Financial Literacy <ul style="list-style-type: none"> ✓ An Introduction to Financial Literacy ✓ Conceptions of Financial Literacy ✓ Key Characteristics of an Effective Financial Literacy ✓ Financial Literacy in construction sectors: A Proposed Framework ✓ Building the Financial Education Capacity of Construction Workers: Does It Make a Difference? ✓ Savings ✓ Investing ✓ Budgeting ✓ Minimum wage ✓ Salary • Health & Safety <ul style="list-style-type: none"> ✓ Safety policy and procedures ✓ First aid and welfare facilities in the workplace ✓ Method statements ✓ Safety signs and the law ✓ Types of Hazards in the workplace ✓ Dealing with Hazards ✓ Storage of Chemical in the workplace ✓ Noise in the workplace ✓ Drugs and alcohol ✓ Dangers of using electrical equipment ✓ Identifying voltages ✓ Methods of storing electrical equipment ✓ Safe handling of materials and equipment 	
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		<ul style="list-style-type: none"> ✓ Manual handling ✓ The use of lifting aids when handling materials and equipment ✓ Accidents and emergency – Types of accidents in construction ✓ Accident reporting procedure ✓ Importance of good housekeeping ✓ Risk assessments ✓ Legislation related to working at heights ✓ Types of access equipment ✓ PPE – What is PPE ✓ Why is PPE important ✓ Types of PPE ✓ Assessing suitable PPE ✓ Types of respiratory PPE 	
4.	<p>On Job training</p> <p>Theory duration (hh:mm)</p> <p>00:00</p> <p>Practical duration (hh:mm)</p> <p>192:00</p>	<ul style="list-style-type: none"> • Prefabricate Precast Elements (Slabs) • Prefabricate cage for Beam • Prefabricate cage for Beam with shear bars • Prefabricate cage for Column & Base & Set in to position • Prefabricate cage for beam, Slab with Staircase 	