



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR CONSTRUCTION INDUSTRY



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What are Occupational Standards(OS)?

- OS describe what individuals need to do, know and understand in order to carry out a particular job role or function
- OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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Introduction

Qualifications Pack- Helper Mason

SECTOR: CONSTRUCTION

SUB-SECTOR: 1. Building & Factories

2. Heavy Infrastructure (Rail, Road & Runways)

3. Power Generation (Dam and Transmission & Distribution etc.)

OCCUPATION: MASONRY

JOB ROLE: HELPER MASON

REFERENCE ID: CON/Q 0101

Mason Trade in Construction Industry is the basic Trade which is Common to all type of Constructions and has variance along with Specialization to specific requirements of the Project.

Brief Job Descriptionnof Helper Mason Level-I: Individual in this position need to support Assistant Mason & Mason which are at level-II and level-III in semi-skilled and skille category for carrying out the related works such as shifting of materials, handling tools, tackles and housekeeping. The responsibilities include site development & cleareance, provide support for laying of bricks & blocks, mortar & cement concrete mixing, rendering coat plastering, help in setting & layout, knowing importance of scaffolding and have the basic knowledge in the environment, health, safety pertaining to the trade.

Personal Attributes: This job require individual to work at site as a **Helper Mason** where he needs to be physically fit to withstand working in a difficult and tough construction environment while responding to the needs and requirements of the tasks.



Job Details	Qualifications Pack Code	CON/Q 0101		
	Job Role	Helper Mason Level-I		
	Credits(NVEQF/NVQF/NSQF) [OPTIONAL]	TBD	Version number	1.0
	Sector	Construction	Drafted on	30/07/2013
	Sub-sector	1. Building & Factories 2. Heavy Infrastructure (Rail, Road & Runways) 3. Power Generation (Dam, Transmission & Distribution etc.)	Last reviewed on	30/07/2013
	Occupation	Masonry	Next review date	30/01/2014

Job Role	Helper Mason Level-I
Role Description	To work as Helper in Masonry Trade while attending and responding to the needs and requirement of the tasks under his trade senior level-II and above.
NVEQF/NVQF level	1
Minimum Educational Qualifications*	Preferably equivalent to 5 th (Normal literacy of reading, writing and understanding)
Maximum Educational Qualifications*	10 th Standard
Training (Suggested but not mandatory)	Training to be imparted so as to on completion candidate is capable to qualify for test & certification by Authorised agency for Knowledge & Skill as per NOS for Level-I. Training period may vary from 8 to 12 weeks.
Experience	NIL
Applicable National Occupational Standards (NOS)	Compulsory 1. CON/N0001 : Health, Safety & Environment 2. CON/N0002 : Identification and use of Basic tools, equipment and materials 3. CON/N0003 : Material Handling & Storing 4. CON/N0004 : Preparation of Cement Mortar & Concrete Mix 5. CON/N0005 : Use different types of bonds in basic Brickworks 6. CON/N0006 : Erect and dismantle 3.6 meter temporary Scaffold 7. CON/N0031 : Cutting, Filling, Levelling and Compaction of Earth
Performance Criteria	As per Occupation Standard (OS) for Level-I

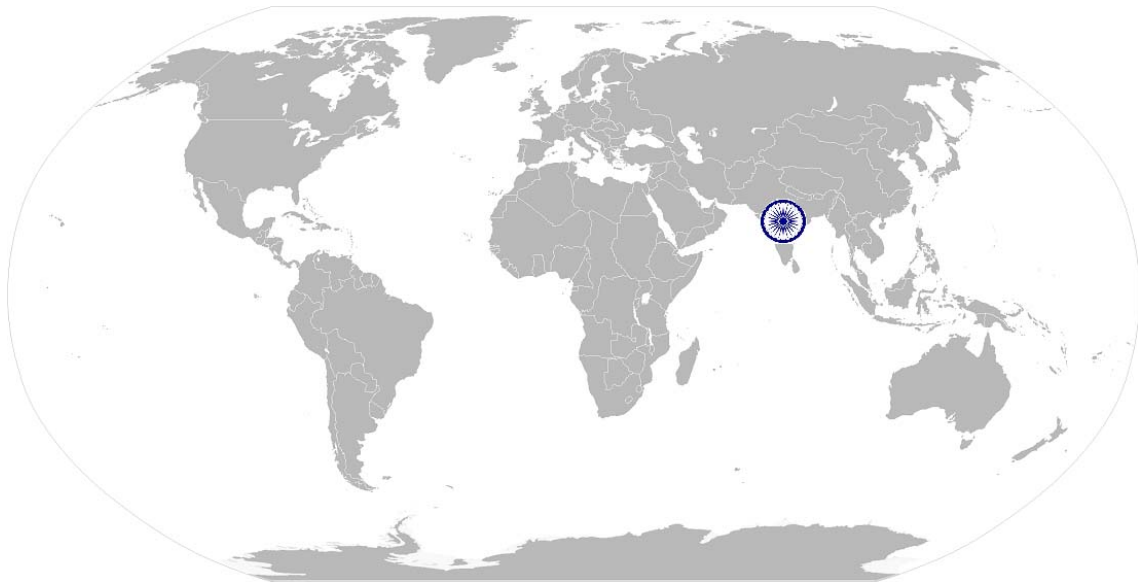


Glossary of Key Terms

Definitions	Keywords /Terms	Description
	Sector	Sector is conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
	Sub-Sector	Sub-Sector is derived from a further breakdown based on the characteristics and interests of its components
	Occupation	Occupation is a set of job roles, which perform similar/related set of functions in an industry
	Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organization.
	Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet the standard consistently. Occupational Standards are applicable both in the Indian contexts.
	Performance Criteria	Performance Criteria are statements that together specify the standard of performance required when carrying out a task.
	Qualifications Pack (QP)	Qualifications Pack comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A Qualification Pack is assigned a unique qualification pack code
	Qualification Pack Code	Qualification Pack Code is a unique reference code that identifies a qualifications pack.
	National Occupational Standards (NOS)	NOS are Occupational Standards which apply uniquely in the Indian context.
	Scope	Scope is the set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on the quality of performance required.
	Knowledge and Understanding	Knowledge and Understanding are statements which together specify the technical, generic, professional and organizational specific knowledge that an individual needs in order to perform to the required standard
	Organizational Context	Organizational Context includes the way the organization is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
	Technical Knowledge	Technical Knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
	Core Skills / Generic Skills	Core Skills or Generic Skills are a group of skills that are key to learning and working in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Acronyms	Keywords /Terms	Description
	CON	Construction
	NVEQF	National Vocational Education Qualifications Framework
	NVQF	National Vocational Qualifications Framework
	QP	Qualification Pack
	OS	Occupational Standards
	CSDCI	Construction Skill Development Council of India



National Occupational Standard



Overview

This NOS covers the skill and knowledge of an individual to be proficient in Health, Safety & Environment in construction sector.



CON/ N 0001: Health, Safety & Environment

National Occupational Standard	Unit Code	CON / N 0001
	Unit Title (Task)	Health, Safety & Environment
	Description	This unit describes the skill and knowledge to make and achieve the requirement of health, safety and environment in construction sector.
	Scope	Health, Safety & Environment
	Performance Criteria(PC) w.r.t. the Scope	
	Element	Performance Criteria
	Health, Safety and Environment	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1.Demonstrate and use the Personal Protective Equipment such as Head Protection, Fall Protection, Foot Protection, Face & eye Protection, Ear Protection, Hand & Body Protection and Respiratory Protection.</p> <p>PC2. Follow and deed the Do's and Don'ts during working at heights</p> <p>PC3. Carryout the Safety measures and drills with action and roles in normal times and emergency by mock drills.</p> <p>PC4.Practice the First Aid and use of basic dressing materials and bandages, resuscitation practices and actions</p> <p>PC5. Ensure the waste disposal and pollution control with organic and inorganic waste disposal methods, sound and noise control and protection methods.</p> <p>PC6. Carry out the Environment, Health & Safety.</p> <p>PCI TO PC6 assessments based on viva-voice / interview / quiz test / demonstration technique.</p>
	Knowledge and Understanding (K)	
	A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. Process and aim of the safety, health and environment</p> <p>KA2. Organizations expectations, procedures and guidelines related with safety, health and environment</p> <p>KA3. Select and check the PPEs and know the indent and return procedures.</p> <p>KA4. Obey safety procedures at the sites</p> <p>KA5. Different type of health and safety hazards that can be found in the workplace</p> <p>KA6. Procedures for reporting against safety violations.</p>
	B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Procedure of evacuation of workers during emergency</p> <p>KB2. Use appropriate PPEs for different working condition.</p> <p>KB3. Process of using PPEs.</p> <p>KB4. Health, safety and accident reporting procedures</p> <p>KB5. First Aid with identification and use of basic dressing materials</p>
	Skills (S)	
	A. Core Skills/ Generic Skills	Writing Skills
		The user/ individual on the job needs to know and understand how to:
		SA1. Able to write / fill the basic EHS format.
		Reading Skills
		The user / individual on the job needs to know and understand how to:
		SA2. Read instructions, guidelines, procedures, rules

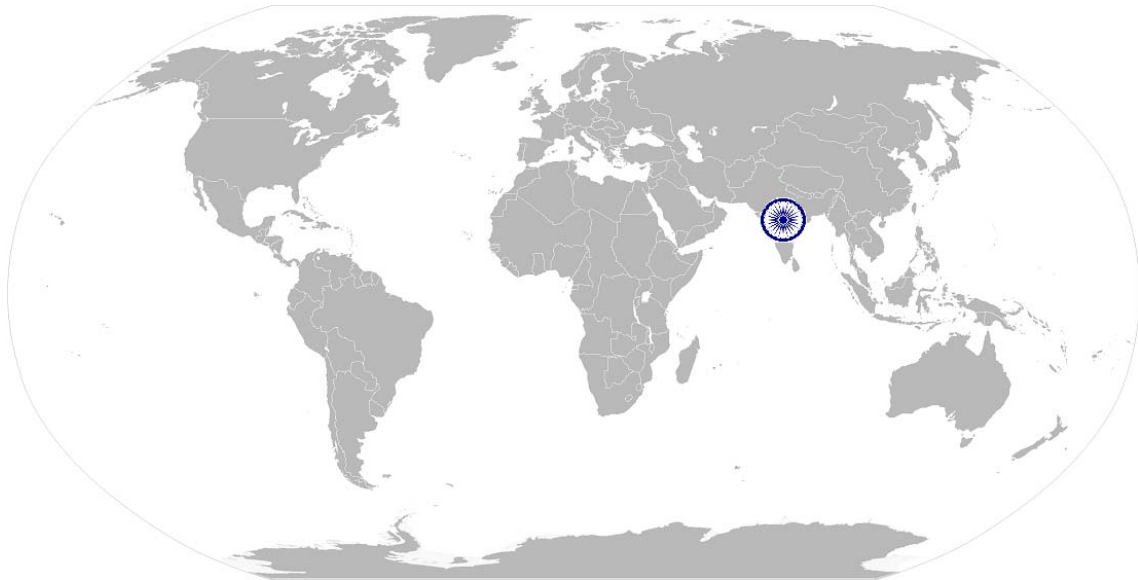


CON/ N 0001: Health, Safety & Environment

	Oral Communication (Listening and Speaking skills)
	<p>The user / individual should do the following:</p> <p>SA3. Listen carefully</p> <p>SA4. Orally communicate to others effectively</p>
B. Professional Skills	Decision Making
	<p>The user / individual on the job needs to know and understand how to:</p> <p>SB1. Accept the appropriate PPEs against different working conditions</p>
	Plan and Organize
	<p>The user / individual needs to know and understand how to:</p> <p>SB2. Use and suit the PPEs for different working conditions</p>
	Customer Centricity
	N.A.
	Problem Solving
	N.A.
	Analytical Thinking
	SB3. Use of emergency drills
	Critical Thinking
	SB4. Resuscitate the casualty
	Attention to Detail
	N.A.
	Team Working
	<p>The user / individual on the job needs to know and understand how to:</p> <p>SB3. Work in coordination with trade senior</p> <p>SB4. Look after the interest other in case of emergency & requirement</p> <p>SB5. Distribute work among colleagues</p>



National Occupational Standard



Overview

This NOS covers the skill and knowledge for an individual to be proficient in identifying and using basic tools, equipment and materials used in the masonry trade.



CON/ N 0002: Identification and use of basic tools, equipment and materials

Unit Code	CON / N 0002
Unit Title (Task)	Identification and use of basic tools, equipment and materials
Description	This unit describes the skill and knowledge required to effectively identify and use masons tools, equipment and materials in construction industries.
Scope	Identification and use of basic tools, equipment and materials
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Identification and use of basic tools, equipment and materials	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. Identify, select and use of Hand & measuring tools such as Mason trowel, brick hammer, bluster chisel, comb hammer, straight edge, plumb bob, spirit level etc.</p> <p>PC2. Identify, select and use of construction materials such as bricks, fine aggregates, coarse aggregates, cement, wood, paint and water.</p> <p>PC3. Identify and select basic power tools such as drill machines, compactor, vibrator, stone cutting machine etc.</p> <p>PC1 TO PC3 assessments based on viva-voice / interview / quiz test / demonstration technique.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. Select, identify and use of right tools at right job</p> <p>KA2. Follow the procedure in store for receiving and handing over of tools, materials and consumables.</p> <p>KA3. Use indent during receiving of materials in store.</p> <p>KA4. Ensure safety in handling the tools and materials in store and working site.</p> <p>KA5. Follow the precautions and measures in handling, storing and transporting materials in working spot.</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Storing and handling technique of tools</p> <p>KB2. Upkeep repair and maintenance of tools</p> <p>KB3. Classification and storage of materials as per the uses and compositions.</p> <p>KB4. Checking and testing of materials</p>
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. Make the line, sketch & label
	Reading Skills
	The user / individual needs to know and understand how to:
	SA2. Read instructions, guidelines, sign boards, safety rules & safety tags.
	Oral Communication (Listening and Speaking skills)
	The user / individual should do the following:
	SA3. Listen and follow instruction accurately
	SA4. Orally communicate to others effectively

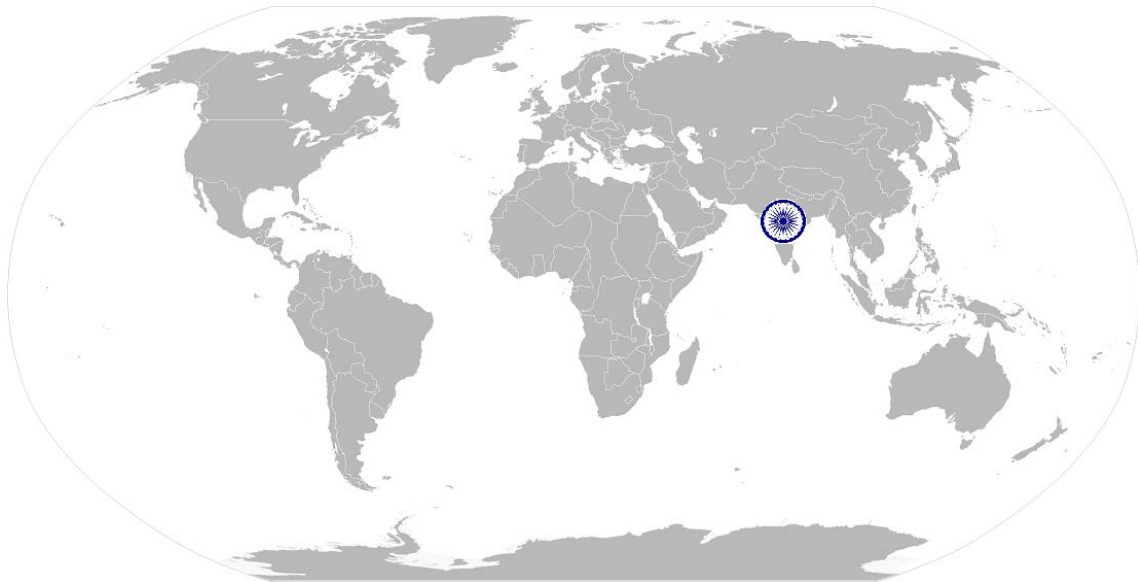


CON/ N 0002: Identification and use of basic tools, equipment and materials

B. Professional Skills	Decision Making
	The user / individual needs to know and understand how to: SB1. Identify and use the tools such as mason trowel, brick hammer, bolster chisel, club hammer, straight edge, plumb bob, spirit level etc.
	Plan and Organize
	The user / individual needs to know and understand how to: SB2. Prepare the place of work as per task. SB3. Organize tools and materials as per requirements
	Customer Centricity
	N.A.
	Problem Solving
	N.A.
	Analytical Thinking
	The user / individual needs to know and understand how to: SB4. Lay the tools in sequence and order of use. SB5. Arrange the quantity of materials
	Critical Thinking
	The user / individual needs to know and understand how to: SB6. Plan & arrange alternate in case if some important tool or material is not available SB7. Minimum wastage and optimum use of material
	Attention to Detail
	The user / individual needs to know and understand how to: SB8. Use all masons tools to their best advantage including correct handling and maintenance of the same.
	Team Working
	The user / individual on the job needs to know and understand how to: SB9. Work in coordination with trade senior SB10. Look after the interest other in case of emergency & requirement SB11. Distribute work among colleagues



National Occupational Standard



Overview

This NOS covers the skill and knowledge for an individual to be proficient in Material Handling & Storing in construction industry.



CON/ N 0003: Material Handling & Storing

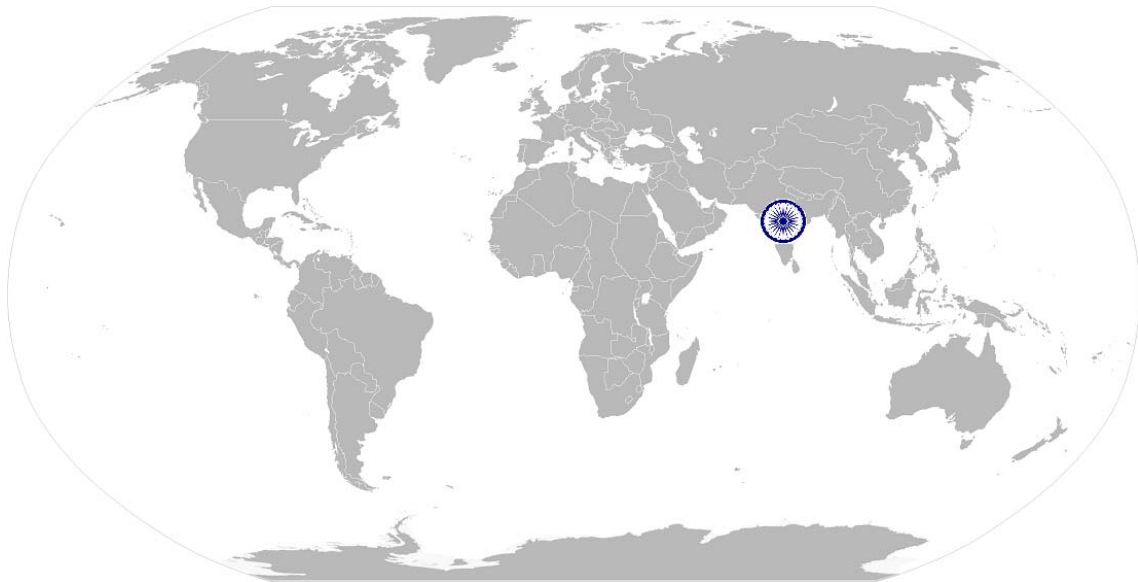
Unit Code	CON / N 0003
Unit Title (Task)	Material Handling & Storing
Description	This unit describes the skills and knowledge required to effective Material Handling & Storing in construction industry.
Scope	Material Handling & Storing
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Material Handling & Storing	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. Lift & shift the materials by involving push and pull in accordance with workplace EHS requirement.</p> <p>PC2. Follow methods and sequence of loading, unloading of materials such as cement, steel, sand, aggregate, paint and wood etc.</p> <p>PC3. Maintain proper Storing and stacking of cement, steel, wood, aggregate, paints, inflammable and other construction materials.</p> <p>PC4. Handle and lift different materials such as sand, bricks, blocks & metals</p> <p>PC5. Recognize individual work and team work for lifting, loading and unloading of materials</p> <p>PC6. Carry loose and fluid materials like chemicals, form-oil, fuel & admixtures.</p> <p>PC1 to PC6 assessment based on their performance and efficiency in material handling & storing shall be assessed through questions & answers and physical performance within the stipulated time.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. Procedure for collecting the materials from store.</p> <p>KA2. Importance of indent.</p> <p>KA3. Arranging route for shifting materials.</p> <p>KA4. Follow safety regulation for lifting and carrying.</p> <p>KA5. Store and stack the materials at identified locations.</p> <p>KA6. Supply the materials then and there.</p> <p>KA7. Shift the shortfall materials within the required time.</p> <p>KA8. Return the surplus or balance materials to the store.</p> <p>KA9. Involve the housekeeping activities.</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Height up to which the materials should be stacked.</p> <p>KB2. Handling materials as per its physical properties</p> <p>KB3. Loading and unloading of materials.</p> <p>KB4. Stacking of materials by its size and shapes.</p> <p>KB5. Handling and stacking of hazard materials based on fire and spread nature.</p> <p>KB6. Handling procedures of different types of materials.</p> <p>KB7. Determining shortest possible route for material shifting with safety procedures.</p> <p>KB8. Housekeeping procedures required in the workplace</p>

CON/ N 0003: Material Handling & Storing

Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	The individual on the job needs to know and understand how to: SA1. Make list of items & materials
	Reading Skills
	The user/individual on the job needs to know and understand: SA2. Read instructions, guidelines, sign boards, safety rules & safety tags.
	Oral Communication (Listening and Speaking skills)
	The user / individual should do the following: SA3. Listen and follow instruction accurately SA4. Orally communicate to others effectively
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to: SB1. Shift materials as per its physical properties SB2. Load & unload the materials SB3. Decide on the number of workers required to lift or shift the machine
	Plan and Organize
	The user/individual on the job needs to know and understand how to: SB4. Handle equipments, tools and tackles required for material handling and storing SB5. Stack and store the materials with proper methodology and sequence SB6. Layout the items
	Customer Centricity
	N.A.
	Problem Solving
	The user/individual on the job needs to know and understand how to: SB7. Arrange to shift and move very heavy stores
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB8. Protect and stack the stores SB9. Aware of the risks that may exist when manually lifting and handling materials
	Critical Thinking
	The user/individual on the job needs to know and understand how to: SB10. Identify and stack hazard materials based on fire and spread nature SB11. Use of shortest possible route for material shifting with safety procedures
	Attention to Detail
	N.A.
	Team Working
	The user/individual on the job needs to know and understand how to: SB12. Housekeeping procedures required in the workplace SB13. Report the observed wrong practice during handling of materials at workplace. SB14. Work in coordination with trade senior SB15. Look after the interest other in case of emergency & requirement SB16. Distribute work among colleagues



National Occupational Standard



Overview

This NOS covers the skills and knowledge for an individual to be proficient to prepare cement mortar and concrete mix which is used in construction industry.



CON/ N 0004: Preparation of Cement Mortar & Concrete Mix

National Occupational Standard	Unit Code	CON / N 0004
	Unit Title (Task)	Preparation of Cement Mortar and Concrete Mix
	Description	This unit describes the skill and knowledge required for preparation of mortar and concrete mix manually and mechanically.
	Scope	Preparation of Cement Mortar and Concrete Mix
	Performance Criteria(PC) w.r.t. the Scope	
	Element	Performance Criteria
	Preparation of Cement Mortar & Concrete Mix	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1. Select Proper mixing platform by ensuring surface to be clean, dry, smooth & Hard.</p> <p>PC2. Measure the dry ingredients correctly by using appropriate measuring / weighing scales</p> <p>PC3. Open use & stack cement bag properly.</p> <p>PC4. Mix the mortar or concrete uniformly within stipulated time.</p> <p>PC5. Make 0.245 cum cement mortar mix in 30 minutes with one helper</p> <p>PC6. Move, place and operate the hand operated concrete mixtures</p> <p>PC7. Pour the material into the concrete mixtures</p> <p>PC8. Place and transport the concrete</p> <p>PC9. Make 0.25 cum cement concrete mix in 30 minutes with one helper.</p> <p>PC10. Do curing for the elements for the minimum stipulated time.</p> <p>PC11. Maintain the site tidiness accordingly.</p> <p>PC1 to PC11 assessment based on their performance and efficiency shall be assessed through questions & answers and physical performance within the stipulated time.</p>
	Knowledge and Understanding (K)	
	A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. Storing empty cement bags.</p> <p>KA2. Appreciate safe working methods and basic human kinetics</p> <p>KA3. Safety on various personal Protection and Use of safety Gears, Safety equipment & safety drills</p> <p>KA4. Working on scaffolding & at Heights</p> <p>KA5. Knowledge of First Aid, House Keeping & other related environment aspects</p>
	B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Type of materials required for mortar</p> <p>KB2. The ratio of materials required for mortar by volume.</p> <p>KB3. Methodology for preparation of platform, placing and mixing of ingredients</p> <p>KB4. Water cement ratio</p> <p>KB5. The various types of mortar and admixture</p> <p>KB6. Different types of mixing of concrete such as manual mixing, mechanical mixing through mixtures machines.</p> <p>KB7. Rectify the patchwork/ honeycomb for fresh concrete elements.</p> <p>KB8. Different types of curing methods, duration and its importance</p>



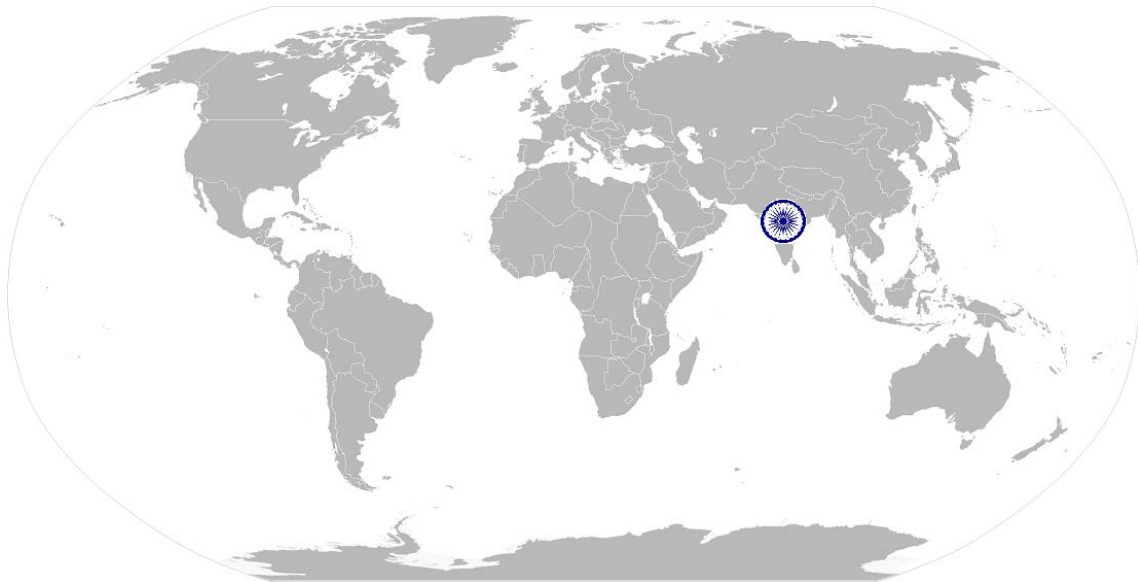
CON/ N 0004: Preparation of Cement Mortar & Concrete Mix

Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Make list of items & materials
	Reading Skills
	The user/ individual on the job needs to know and understand how to: SA2. Read instructions, guidelines, sign boards, safety rules & safety tags.
	Oral Communication (Listening and Speaking skills)
	The user / individual should do the following: SA3. Listen and follow instruction accurately SA4. Orally communicate to others effectively
B. Professional Skills	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Prepare the mixing platform SB2. Location of mixing platform near the job
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. Measure the ingredients SB4. Place the concrete
	Customer Centricity
	N.A.
	Problem Solving
	N.A.
	Analytical Thinking
	The user/ individual on the job needs to know and understand how to: SB5. Clean the concrete mixer
	Critical Thinking
	The user/ individual on the job needs to know and understand how to: SB6. Do curing for different structure with stipulated time
	Attention to Detail
	N.A.
	Team Working
	The user/ individual on the job needs to know and understand how to: SB7. Open the cement bags and the placement of cement for mixing SB8. Involve and complete housekeeping activities SB9. Work in coordination with trade senior SB10. Look after the interest other in case of emergency & requirement SB11. Distribute work among colleagues



CON/ N 0005: Use of different types of bonds in basic brickworks

National Occupational Standard



Overview

This NOS covers the skills and knowledge for an individual to be proficient to construct solid brick wall using Header, Stretcher and English bond.



CON/ N 0005: Use of different types of bonds in basic brickworks

Unit Code	CON / N 0005
Unit Title (Task)	Use of different types of bonds in basic brickworks
Description	This unit describes the skill and knowledge required in bonding the solid brick wall.
Scope	Use of different types of bonds in brickworks
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Use of different bonds in basic brickworks Heading Bond / Stretcher Bond / English Bond	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1: Arrange, shift, and stack the required materials, tools and tackles.</p> <p>PC2: Mark the header/ stretcher/ English bond layout.</p> <p>PC3: Set out 90 degree using building square or 3-4-5 method for corners</p> <p>PC4: Make the Dry bon ding</p> <p>PC5: Assist to Construct the brick wall by making layer by layer to avoid vertical joints with appropriate closures.</p> <p>PC6: Follow the trade safety & construction techniques up to completion.</p> <p>PC7: Aware of overall length of wall, heights of wall, regular joint thickness, plumb and wall alignment as per the requirement.</p> <p>PC8: Complete the task as per the Productivity and housekeeping requirement.</p> <p>The assessment based on their performance and efficiency in material handling & storing shall be assessed through questions & answers and physical performance within the stipulated time for PC1 to PC8.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. Appreciate safe working methods and basic human kinetics</p> <p>KA2. Safety on various personal Protection and Use of safety Gears, Safety equipment & safety drills</p> <p>KA3. Working on scaffolding & at Heights</p> <p>KA4. Knowledge of First Aid, House Keeping & other related environment aspects</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. Different kind of bonds and uses.</p> <p>KB2. Face appearance and arrangements of bricks in different types of bonds</p> <p>KB3. Bond required in the brickwork.</p> <p>KB4. Quality of bricks</p> <p>KB5. Types of closures</p> <p>KB6. Reading Measurement tape</p> <p>KB7. Vertical, Horizontal joints and required mortar thickness.</p> <p>KB8. Pointing, Jointing and Racking</p>

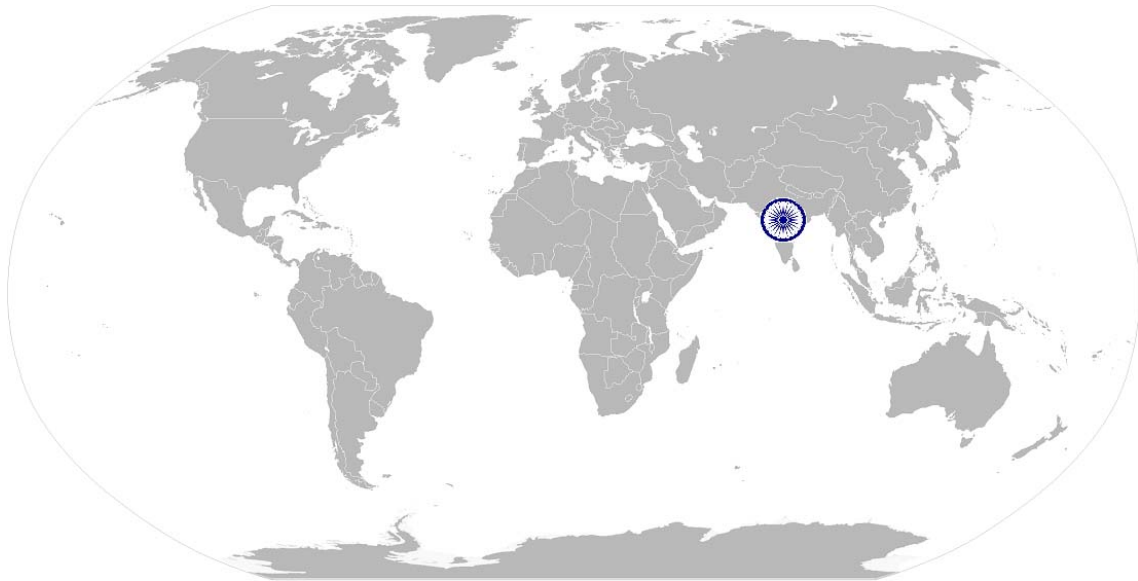
CON/ N 0005: Use of different types of bonds in basic brickworks

Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to: SA1. Make list of items & materials
	Reading Skills
	The user / individual needs to know and understand how to: SA2. Read instructions, guidelines, sign boards, safety rules & safety tags.
	Oral Communication (Listening and Speaking skills)
	The user/individual should do the following: SA3. Listen and follow instruction accurately SA4. Orally communicate to others effectively
B. Professional Skills	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Identify and use the tools SB2. Identify and use of all safety equipments
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB3. Arrange things as per the instruction of trade series SB4. Mark the layout on ground
	Customer Centricity
	N.A.
	Problem Solving
	N.A.
	Analytical Thinking
	The user/ individual on the job needs to know and understand how to: SB5. Lay bricks in sequence in different bonds SB6. Place the mortar in brickwork
	Critical Thinking
	The user/ individual on the job needs to know and understand how to: SB7. Check the alignment, verticality and levels SB8. Check the joint thickness
	Attention to Detail
	The user/ individual on the job needs to know and understand how to: SB8. No waste of material SB9. Area free of impurities
	Team Working
	The user / individual on the job needs to know and understand how to: SB3. Work in coordination with trade senior SB4. Look after the interest other in case of emergency & requirement SB5. Distribute work among colleagues



CON/ N 0006: Erect and dismantle 3.6 meter temporary scaffold

National Occupational Standard



Overview

This NOS covers the skills and knowledge for an individual to be proficient to erect and dismantle 3.6 meter temporary scaffold.



CON/ N 0006: Erect and dismantle 3.6 meter temporary scaffold

Unit Code	CON / N 0006
Unit Title (Task)	Erect and dismantle 3.6 meter temporary scaffold.
Description	This OS describes the skill and knowledge required in erection and dismantling 3.6 meter temporary scaffolding.
Scope	Erect and dismantle 3.6 meter temporary scaffold
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Erect and dismantle 3.6 meter temporary scaffold	<p>To be competent, the user/individual on the job under close supervision should be able to:</p> <p>PC1: Arrange, shift, and stack the required materials, tools and tackles at the identified location.</p> <p>PC2. Use the required safety gadgets</p> <p>PC3. Follow the trade safety in erecting and dismantling 3.6 meter temporary scaffold.</p> <p>PC4. Erect and dismantle 3.6 meter temporary scaffold</p> <p>PC5. Shift the materials such as brick, sand, mortar, concrete, etc. from the bottom level of temporary scaffolding to the landing of temporary scaffolding</p> <p>PC5. Complete the task within the time limit.</p> <p>PC6. Maintain the site tidiness accordingly.</p> <p>PC1 To PC6 assessment based on their performance and efficiency through questions & answers and physical performance within the stipulated time.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>On the job the individual needs to apply organizational knowledge of:</p> <p>KA1. Appreciate safe working methods and basic human kinetics</p> <p>KA2. Safety on various personal Protection and Use of safety Gears, Safety equipment & safety drills</p> <p>KA3. Working on scaffolding & at Heights</p> <p>KA4. First Aid and Housekeeping & other related environment aspects against safety.</p>
B. Technical Knowledge	<p>On the job the individual needs to apply technical knowledge of :</p> <p>KB1. Tools and equipment used for erecting and dismantling 3.6 meter temporary scaffold</p> <p>KB2. Materials used for erecting and dismantling 3.6 meter temporary scaffold</p> <p>KB3. Process of erecting and dismantling 3.6 meter temporary scaffold</p> <p>KB4. Safety involved in working at height.</p> <p>KB5. Process of accessibility & site tidiness.</p>
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	<p>On the job the individual needs to be able to:</p> <p>SA1. Make list of items & materials</p>
	Reading Skills

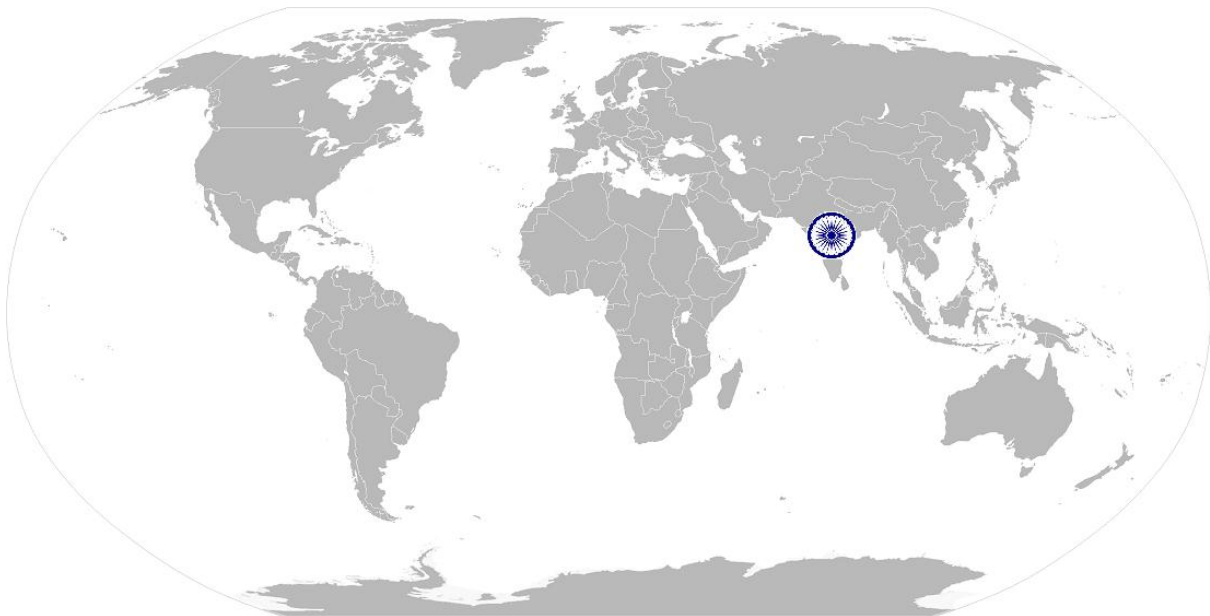


CON/ N 0006: Erect and dismantle 3.6 meter temporary scaffold

	On the job the individual needs to be able to: SA2. Read instructions, guidelines, sign boards, safety rules & safety tags.
	Oral Communication (Listening and Speaking skills)
	On the job the individual needs to be able to: SA3. Listen and follow instruction accurately. SA4. Orally communicate to others effectively
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to: SB1. Identify and use the materials for Erecting and dismantling 3.6 meter temporary scaffold
	Plan and Organize
	The user/individual on the job needs to know and understand how to: SB2. Identify and use the tools SB3. Identify and use of all safety equipment SB4. Arrange the material for scaffolding
	Customer Centricity
	N.A.
	Problem Solving
	N.A.
	Analytical Thinking
	N.A.
	Critical Thinking
	The user/individual on the job needs to know and understand how to: SB5. Check the stability, alignment, verticality
	Attention to Detail
	N.A.
	Team Working
	The user/individual on the job needs to know and understand how to: SB6. Erect and dismantle 3.6 meter temporary scaffold SB7. Involve and complete housekeeping activities. SB8. Work in coordination with trade senior SB9. Look after the interest other in case of emergency & requirement SB10. Distribute work among colleagues



National Occupational Standard



Overview

This NOS covers the skill and knowledge for an individual to be proficient in Cutting, filling, leveling & compaction of earth for the construction of Road & Building.



CON/ N 0031: Cutting, Filling, Leveling & Compaction of Earth

Unit Code	CON / N 0029
Unit Title (Task)	Cutting, Filling, Leveling & Compaction of Earth .
Description	This unit is about cutting, filling, leveling & compaction of earth.
Scope	Cutting, Filling, Leveling & Compaction of Earth.
Performance Criteria(PC) w.r.t. the Scope	
Element	Performance Criteria
Cutting, Filling, Leveling & Compaction of Earth	<p>To be competent, the user/individual on the job must be able to:</p> <p>PC1-Identify Tool & tackles required for the job</p> <p>PC2- Cut & fill the earth as per the markings and layout</p> <p>PC3. Leveling & compaction of earth at desired level & location.</p> <p>PC4. Operate the hand roller.</p> <p>PC5. Help & support to the concerned tradesman prevent the collapse of the trench.</p> <p>PC6. Use of PPE & take protective action before and after during hazards.</p>
Knowledge and Understanding (K)	
A. Organizational Context (Knowledge of the company / organization and its processes)	<p>The user/individual on the job needs to know and understand:</p> <p>KA1. Appreciate safe working methods including working on scaffolding, basic human kinetics and general site tidiness</p> <p>KA2. Safety equipment & safety drills</p> <p>KA3. Working at deep Area</p> <p>KA4. House Keeping</p>
B. Technical Knowledge	<p>The user/individual on the job needs to know and understand:</p> <p>KB1. The name & use of tools& tackles</p> <p>KB2. Methodology of cutting & filling</p> <p>KB3. The excavation equipment like – Dozer, calculation concerned with carpentry such as addition, subtraction, multiplication and division</p> <p>KB4. The precaution needed to check the collapse of the sides .</p>
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills
	The user/ individual on the job needs to know and understand how to:
	SA1. Make the line, sketch and leable
	Reading Skills
	The user / individual needs to know and understand how to:
	SA2. Read instructions, guidelines, sign boards, safety rules and safety tags.
	Oral Communication (Listening and Speaking skills)
	The user/individual should do the following:
	SA3. Listen and follow instruction accurately
	SA4. Orally communicate to others effectively



CON/ N 0031: Cutting, Filling, Leveling & Compaction of Earth

B. Professional Skills	Decision Making
	The user/ individual on the job needs to know and understand how to: SB1. Identify tools
	Plan and Organize
	The user/ individual on the job needs to know and understand how to: SB2. Select & Shift the material
	Customer Centricity
	NA
	Problem Solving
	NA
	Analytical Thinking
	NA
	Critical Thinking
	The user/ individual on the job needs to know and understand how to: SB3. Know about the confined area hazards.
	Attention to Detail
	The user/ individual on the job needs to know and understand how to: SB4. Check the levels & compaction
	Team Working
	The user/ individual on the job needs to know and understand how to: SB5. Work in coordination with trade senior SB6. Look after the interest other in case of emergency & requirement SB7. Distribute work among colleagues