Model Curriculum

68 Hours- Bridge Course

Mason Concrete

SECTOR: Construction SUB-SECTOR: Real Estate and Infrastructure Construction OCCUPATION: MASONRY REF ID: CON/Q0105, V1.0 NSQF LEVEL: 3



TABLE OF CONTENTS

1. Curriculum	01
2. Trainer Prerequisites	10
3. Annexure: Assessment Criteria	11

Mason Concrete

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a "<u>Mason Concrete</u>", in the "<u>Construction</u>" Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Mason Concrete
Qualification Pack Name & Reference ID. ID	CON/Q0105, v1.0
Pre-requisites to Training	Preferably 5th Standard
Training Outcomes	 After completing this programme, participants will be able to: Gain insight into Mason Concrete job role and its career progression: - General introduction to job role, role of a Mason Concrete in construction industry along with the future possible career development provisions. Carry out IPS / Tremix flooring :- Select and use tools, materials and equipment for construction of IPS/Tremix flooring works Place, level and finish concrete in various structural elements including repair works: - Select and use tools and equipment for placing, levelling and finishing concrete in various structural elements. Work effectively in a team to deliver desired results at the workplace :- Organised working procedure within a team at site Plan and organize work to meet expected outcomes:- Prioritizing activities and organising resources to meet desired outcome Work according to personal health, safety and environment protocol at construction site: - Importance of Health & Safety aspects & measures to be followed while working

This course encompasses <u>5</u> out of <u>5</u> National Occupational Standards (NOS) of "<u>Mason Concrete</u>" Qualification Pack issued by "<u>Construction</u>".

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Introduction Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 00:00	 Role description/ functions of the job role Expected personal attributes from the job role Brief description about course content, mode of learning and duration of course Future possible progression and career development provisions on completion of the course 	 Projector/Blackb oard/ Whiteboard
2	Carry out IPS / Tremix flooring Theory Duration (hh:mm) 04:00 Practical Duration (hh:mm) 08:00 Corresponding NOS Code CON/N0114	 Theory:- Knowledge of standard specifications of all tools and equipment required for masonry along some specialized tools for Tremix flooring such as : Vacuum de-watering Pump Floater Machine Double beam Screen Vibrator Procedure for preparation of sub base for waterproofing works by watering and ramming. Procedure for marking reference level and transferrin of levels. Various type of aggregates, type and grade of cement used and effect of water /cement ratio. Different grade of concrete Procedure for manual mixing of concrete and nominal mix proportion. various admixtures used in concreting Sequence of concrete pouring and placing. Procedure for carrying out vibration of poured concrete Different type pf vibrators used for concrete curing, their influence area and use. Procedure for avoiding shrinkage cracks in concrete Different tools used for grooving/providing expansion joints Procedure for final trowelling of concrete for desired finish Procedure for removal of excess water using Vacuum dewatered machine. Use of screed vibrator 	 Hammer, Brick chisel Stone chisel Comb chisel Bolster Masonry hand saw Steel trowel, Float wooden/metal) Straight edge (Aluminium) Wood/rubber mallet, Spade (Phawda) Mortar pan (Ghamela) Corner trowel Pointer trowel Tuck pointing trowel Line and pins Screed board Jointers Streel lever Plumb bob Line string (line Dori) Try square, Spirit level Steel or wooden scale Tapered rule Gauge box Plate compactor Concrete vibrator Grouting machine (Manual)

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Module	 Different type of hardeners used in IPS/Tremix flooring. Procedure of operating VDF in a narrow passage. <u>Demonstration/ Practical :-</u> Demonstrate the checks to be carried out for inspection of area prior to concreting Ensure appropriate preparation of site. Demonstrate checks for formwork to avoid leakage and deviation in slope and alignment in PCC Demonstrate reporting of the misalignment in formwork/reinforcement and ensure proper cover for reinforcement. Demonstrate marking and transfer of levels on floor for required thickness using appropriate tools. Demonstrate checks to be performed for assessing the grade of cement, fine aggregate and concrete prior to use. Demonstrate checks for assessing preparation of panels as per specified 	Required30. Dewatering machine(VDF)31. Groove cutting machine32. Cement , Sand (Medium)33. Plasticizers34. Common burnt clay brick (2nd class)35. Coarse aggregates36. Rubble stone (Natural stone)37. Water proofing compound with primer38. Glass stiffs, Scaffold set (Including all components)39. Lifting , appliances (wheel and rope,
		 size and type. Demonstrate fixing of glass, aluminium or brass strip in cement mortar with their tops at appropriate level and according to slope Carry out pouring of concrete in alternate panels. Carry out compaction and finishing of the concrete surface Carrying of cutting of groves for providing construction joints and expansion joints as per requirement 	shackles, sling, belts) 40. Wheel barrows 41. Wooden sleepers 42. Rhombus mesh 43. expanded metal mesh) 44. Mixing plat form (3'x5') 45. Red oxide
		 Carry out levelling of poured concrete to the specified levels maintaining required slope Carry out Tremix/VDF Flooring by laying stone soling/boulder soling layer as first step. Carry out laying of floor with slope as per requirement. Carry out removal of excess water from top layer by VDF machine Carry out cutting of groves for construction joints 	 46. Helmet 47. Face shield 48. Safety goggles 49. Safety shoes 50. Safety belt 51. Ear defenders 52. Particle masks 53. Overalls Knee pad 54. Reflective jackets 55. Pencil
3	Place, level and finish concrete in various structural elements including repair works	 Ensure curing of the finished floor. <u>Theory:-</u> Simple sketches related to concreting works. 	 measuring tape/rule, vibrator, shovels,

ör. Io.	Module	Key Learning Outcomes	Equipment Required
10.			Required4. rakes
	Theory Duration	Basic properties of concrete which include weight, clump, and mix	
	Theory Duration	include weight, slump and mix	5. screeding
	(hh:mm)	proportions	board
	03:00	 Different tools used for concreting works 	6. tamping tools
		and their specification	(hand, rolling,
	Practical Duration	 Method of selecting and using different 	etc.)
	(hh:mm)	tools, tackles and equipment for	7. large floating
	10:00	concreting works.	device like bull
		 Procedure for marking reference level 	float
	Corresponding NOS	and transferring of levels.	8. Hammer,
	Code	• Different type and grade of cement used	Brick chisel
	CON/N0117	for concreting works	10. Stone chisel
		Different type of aggregates used for	11. Comb chisel
		concreting	12. Bolster
		0	13. Masonry hand
		Effect of water/cement ratio on strength of	saw
		mix	14. Steel trowel,
		Nominal mixes and mix proportion for	Float
		concrete	wooden/metal)
		 Different grades of concrete 	15. Straight edge
		 Procedure for manual mixing of concrete 	(Aluminium)
		and nominal mix proportion.	16. Wood/rubber
		 various admixtures used in concreting 	mallet, Spade
		Sequence of concrete pouring and	
		placing.	(Phawda)
		 Provision of cover for reinforcement w.r.t 	17. Mortar pan
		size of reinforcement	(Ghamela)
		Procedure for pouring concrete from	18. Corner trowel
			19. Pointer trowel
		standard height	20. Tuck pointing
		Procedure for carrying out vibration of	trowel
		poured concrete	21. Line and pins
		 Different type pf vibrators used for 	22. Screed board
		concrete curing, their influence area and	23. Jointers
		use.	24. Steel lever
		 Procedure for avoiding shrinkage cracks 	25. Plumb bob
		in concrete	26. Line string (line
		 Different construction and expansion 	Dori)
		joints	27. Try square,
		• Different tools used for grooving/providing	28. Spirit level
		expansion joints	29. Measuring tape
		Procedure for final trowelling of concrete	30. Steel or
		for desired finish	wooden scale
		Different type of finishes of finished	31. Tapered rule
		concrete like:	32. Gauge box
		 Stamped concrete finish 	33. Plate
		 Stamped concrete finish Stencilling concrete finish 	compactor
		 Stendining concrete mish Broom finish 	34. Concrete
		 Broom missi Rock salt finish 	vibrator
		Procedure for cleaning and removal of	35. Grouting
		spilled concrete	36. machine
		 Knowledge about releasing agents, their 	(Manual)
		application and purpose	37. Dewatering
		 Procedure for concreting in precast 	machine(VDF)
		segments	38. Groove cutting
	1	~	machine

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Module Image: State	Key Learning Outcomes Procedure to ensure embedded parts are in place in pre-cast segments Different type of defects on hardened concrete surface like: air holes/voids bulges offset between joints honeycombing Preparation of mortar for correcting defects Application of mortar for correcting defects Carrying out chipping and grinding to rectify defects. Filing cracks with mortar for rectifying defects. Demonstrate reading of sketched and interpretation of information for concreting works Demonstrate the checks to be carried out for inspection of area prior to concreting Ensure appropriate preparation of site. Demonstrate checks for formwork to avoid leakage and deviation in slope and alignment of formwork Demonstrate reporting of the misalignment in formwork/reinforcement and ensure proper cover for reinforcement Demonstrate checks to be performed for assessing the grade of cement, fine aggregate and concrete prior to use. Visually access quality of concrete and report to superiors for detrimental quality of concrete </td <td></td>	
		 Carry out compaction of concrete using concrete vibrators within specified depth Carry out compaction and finishing of the concrete surface 	
		Carrying of cutting of groves for providing construction joints and expansion joints as per requirement	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		 Carry out levelling of poured concrete to the specified levels maintaining required slope Demonstrate application final finish on the surface using any of the following techniques: Stamped concrete finish Stencilling concrete finish Broom finish Rock salt finish Demonstrate concreting in precast segments ensuring embedded items lay in place during vibrating and concrete surface Demonstrate preparation of mortar for rectification of defects. Demonstrate chipping and grinding of hardened concrete surface for rectification of surface defects. Ensure curing of the finished surface 	
4	Work effectively in a team to deliver desired results at the workplace Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code CON/N8001	 Theory:- Method of oral and written communication skills with co-workers, trade seniors while handling and carrying out visual checks 	 Classroom having seating requirement for 30 people. Toilet/Urinals (Separate for gents and Ladies) Projector Blackboard

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		 communicating with co-workers for desired requirement as per specification Carrying out concreting in precast and in- situ structures & IPS/Tremix flooring while working as a team to ensure optimum utilization of material and resources Carrying out general concreting works utilizing the effort of co-workers. Undertaking visual checks to assess the quality of material and check line, level and alignments of work Selection and handing over of desired/ appropriate tools/ materials while assisting trade senior 	
5	Plan and organize work to meet expected outcomes Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code CON/N8002	 Theory:- To plan concreting in precast and in-situ structures & IPS/Tremix flooring activities within defined scope of work Basic concept of productivity, sequence of working and implementation of safety and organizational norms while working Upkeep, storing and stacking methods of tools, materials used for domain specific works Requisition of resources, reporting for requirement of resources orally and in written to concerned authority - (T/P) Demonstration/ Practical :- The skills will be developed and practiced while carrying out following trade related activities in a predictable and familiar working condition Selection of materials, tools or devices for defined purpose in an optimum manner Handling/organizing masonry tools, material, fixtures and device for concreting in precast and in-situ structures & IPS/Tremix flooring works. Prioritize all works/ activities Planning concreting in precast and in-situ structures & IPS/Tremix flooring works as per scope and schedule. Carrying out concreting in pre cast structure by optimum utilization of material and resources Optimum use of resources while performing task Adherence to stipulated timelines for concreting in structures for concreting task 	 Classroom having seating requirement for 30 people. Toilet/Urinals (Separate for gents and Ladies) Projector Blackboard
6	Work according to personal health, safety and environment	 completion of concreting activities/ tasks Theory:- Types of hazards involved in construction sites 	 Safety Helmets Face shield

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	protocol at construction site Theory Duration (hh:mm) 03:00 Practical Duration (hh:mm) (hh:mm) 10:00 Corresponding NOS Code CON/N9001 CON/N9001		3. Overalls 4. Knee pads 5. Safety shoes 6. Safety belts 7. Safety harness 8. Safety Gloves 9. Safety goggles 10.Particle masks 11.Ear Plugs 12.Reflective jackets 13. Fire Extinguisher 14. Fire prevention kit 15. First Aid box 16. Safety tags 17. Safety Notice board
	Total Duration	Hammer, Brick chisel, Stone chisel, Comb Masonry hand saw, Steel trowel, Float woo	

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	Theory Duration 20:00 Practical Duration 48:00	edge (Aluminium), Wood/rubber mallet, Spa Mortar pan (Ghamela), Corner trowel, Pointa pointing trowel, Line and pins, Screed board lever, Plumb bob, Line string (line Dori), Try Measuring tape, Steel or wooden scale, Taj box, Plate compactor, Concrete vibrator, Gra (Manual), Dewatering machine(VDF), Groov Cement, Sand (Medium), Plasticizers, Com brick (2nd class), Coarse aggregates, Rubbl stone), Water proofing compound with prime Scaffold set (Including all components), Liftii (wheel and rope, shackles, sling, belts), Whe Wooden sleepers, Rhombus mesh, expand Mixing plat form (3'x5'), Red oxide, Helmet, goggles, Safety shoes, Safety belt, Ear defe masks, Overalls Knee pad, Reflective jacket Infrastructure 30 chairs ,Workshop/Mock-up yard for practical trainin ,Toilet/Urinals (Separate for gents and Ladie supply points, Single phase power supply p extinguishers (mechanical foam, DCP, CO2 with stand), First aid kit, Tool box with lock a	er trowel, Tuck I, Jointers, Steel square, Spirit level, pered rule, Gauge outing machine re cutting machine mon burnt clay e stone (Natural er, Glass stiffs, ng, appliances eel barrows, ed metal mesh) Face shield, Safety nders, Particle rs, Pencil

Grand Total Course Duration: 68 Hours, 0 Minutes

Trainer Prerequisites for Job role: "Mason Concrete" mapped to Qualification Pack: "CON/Q0105, v1.0"

Sr. No.	Area	Details
1	Description	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack <u>"CON/Q0105"</u> .
2	Personal Attributes	Aptitude for conducting training, and pre/ post work to ensure competent, employable candidates at the end of the training. Strong communication skills, interpersonal skills, ability to work as part of a team; a passion for quality and for developing others; well-organised and focused, eager to learn and keep oneself updated with the latest in the mentioned field
3	Minimum Educational Qualifications	ITI/12 th standard pass
4a	Domain Certification	Trainer/Assessor-50% in each NOS & 80% overall, Lead trainer/ Lead Assessors- 50% in each NOS and overall 90%
4b	Platform Certification	Trainer/Assessor-80% in each NOS and Lead trainer/Lead Assessors- 90% in each NOS
5	Experience	 i. Technical Degree holder with minimum three years of Field experience and preferably two years of teaching experience or, ii. In case of a Diploma Holder five years of field experience and preferably two years of teaching experience or, iii. In case of ITI/12th pass minimum eight years of field experience and preferably two years of teaching Experience.

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Mason Concrete
Qualification Pack	CON/Q0105, v1.0
Sector Skill Council	Construction

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC.
2	The assessment for the knowledge part will be based on knowledge bank of questions created by Assessment Bodies subject to approval by SSC
3	Individual assessment agencies will create unique question papers for knowledge/theory part for assessment of candidates as per assessment criteria given below
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training centre based on assessment criteria.
5	The passing percentage for each QP will be 50%. To pass the Qualification Pack, every trainee should score a minimum of 50% individually in each NOS.
6	The Assessor shall check the final outcome of the practices while evaluating the steps performed to achieve the final outcome
7	The trainee shall be provided with a chance to repeat the test to correct his procedures in case of improper performance, with a deduction of marks for each iteration.
8	After the certain number of iteration as decided by SSC the trainee is marked as fail, scoring zero marks for the procedure for the practical activity.
9	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack within the specified timeframe set by SSC.
10	Minimum duration of Assessment of each QP shall be of 4hrs/trainee.

				Marks Allocat	
		Total Mark	Out Of	Theory	Skills Practical
	PC1.inspect the work area prior to concreting, ensure leveling in case of any undulations observed on the surface prior to concreting		2.5	0.5	2
	PC2. ensure surface is prepared appropriately and report any deviation in slope and alignment in PCC		2.5	0.5	2
	PC3. report any gaps in formwork to avoid leakage		2.5	0.5	2
	PC4. report any misalignment in formwork/reinforcement and ensure proper cover for reinforcement is provided		2.5	0.5	2
	PC5. mark reference level on the wall & transfer this marking to all floor locations using appropriates tools		5	1	4
	PC6. mark flooring thickness level and provide dummy level dots at specified intervals for ensuring required slope		5	1	4
	PC7. check the grade of cement prior to use in case of manual mixing		2.5	0.5	2
	PC8. ensure fine aggregate is sieved as per grade requirement		2.5	0.5	2
	PC9. check that concrete is mixed in appropriate proportion		5	1	4
CON/N0114: Carry out IPS / Tremix flooring	out IPS / PC10. visually assess the concrete mix for usability and	100	5	1	4
works			5	1	4
			5	1	4
			2.5	0.5	2
			2.5	0.5	2
			2.5	0.5	2
	PC16. ensure concrete is poured in alternate panels/specified panels as per requirement	5		1	4
	PC17. remove excess cement slurry and any marks on the surface		2.5	0.5	2
	PC18. level the concrete surface with a straight edge and to the required finish with a wooden float / trowel		2.5	0.5	2
	PC19. spread cement punning over the IPS concrete for smooth finish surface and allow it to soak into the concrete, as per requirement		2.5	0.5	2
	PC20. provide construction joints and expansion joints as per requirement		2.5	0.5	2

	PC21. level poured concrete to the specified levels maintaining required slope		5	1	4
	PC22. ensure curing of the finished floor surface for the specified time		2.5	0.5	2
	PC23. level the surface and lay stone soling / boulder soling layer		2.5	0.5	2
	PC24. lay the floor with slope maintained in PCC work above the stone soling		2.5	0.5	2
	PC25. remove excess water from the top layer of wet concrete without removing cement of sand particles through vacuum de-watering machines		5	1	4
	PC26. ensure floater work within green concrete surface		2.5	0.5	2
	PC27. carry out Tremix flooring in specified panel on RCC floors ensuring intactness of rebar and cover		2.5	0.5	2
	PC28. cut grooves on concrete at specified intervals for construction joints		2.5	0.5	2
	PC29. provide expansion joints as per requirement		2.5	0.5	2
	PC30. carry out curing of finished concrete as per specifications		2.5	0.5	2
	PC31. ensure finished levels have required slope		2.5	0.5	2
		Total	100	20	80
	PC1. inspect the area for completion of housekeeping works and remove any undulations on the surface prior to concreting		1.25	0.25	1
	PC2. ensure surface is prepared appropriately and report any deviation in slope and alignment		2.5	0.5	2
	PC3. report any gaps in formwork to avoid leakage PC4. report any misalignment in formwork/reinforcement and ensure proper cover for reinforcement is provided		2.5	0.5	2
CON/N0117:			1.25	0.25	1
Place, level and finish concrete,	PC5. notify superiors for detrimental quality of concrete		1.25	0.25	1
both RCC and PCC, in various structural	PC6. visually assess the concrete mix for usability and workability	100	1.25	0.25	1
elements – in situ and pre cast	PC7. check the type , grade of cement and visual soundness of cement prior to use		2.5	0.5	2
	PC8. check and ensure sieved fine aggregate prior to use		2.5	0.5	2
	PC9. instruct and ensure that mixing of concrete is in specified ratio		5	1	4
	PC10. handle and adjust the pouring equipments as per requirements		2.5	0.5	2
	PC11. ensure standard pouring height for concrete is maintained throughout pouring		2.5	0.5	2

PC12. ensure pouring of concrete takes place in specified layers		2.5	0.5	2
PC13. pour concrete to maintain specified levels & cover for steel reinforcement		5	1	4
PC14. apply vibrator within influence depth and as per standard procedures		4	1	3
PC15. ensure that the vibrator does not touch the reinforcement or is not applied to the face of the form		3.5	0.5	3
PC16. screed the concrete as per requirements using appropriate tools and technique		2.25	.25	2
PC17. push the excess concrete towards the formwork for easy removal		1.25	.25	1
PC18. float the concrete using appropriate tools		1.5	.5	1
PC19. level the edges and corners as per requirements using appropriate tools for semi-finished concrete			.25	1
PC20. provide construction/ control joints in concrete surface at pre-defined locations		2.5	.5	2
PC21. cut construction joints as per specification and requirements		1.25	.25	1
PC22. smoothen the surface using appropriate tools, to ensure a consistent and durable final finish		1.25	.25	1
 PC23. apply a final finish on the surface as per requirements using any of the following major techniques: Stamped concrete finish Stenciling concrete finish Broom finish Rock salt finish 		3.75	.75	3
PC24. provide shear key /vertical construction joint or cut construction joint as per requirement		1.25	.25	1
PC25. ensure cleaning and removal of spilled concrete is carried out after work		1.25	.25	1
PC26. ensure proper curing of concrete by marking and monitoring of the curing time		1.25	.25	1
PC27. ensure proper barricading of the concrete area and prevent any damage to the poured concrete		1.25	.25	1
PC28. inspect the area for completion of housekeeping works and remove any debris from the surface prior to concreting		1.5	0.5	1
PC29. report any gaps in formwork/moulds to avoid leakage		1.5	0.5	1
PC30. report any misalignment in formwork/reinforcement		1.5	0.5	1
PC31. check that cover for reinforcement is provided properly] [1.25	0.25	1
PC32. point out any inadequacy in application of release agent		1.25	0.25	1

	PC33. comply with the sequence of pour during concreting		2.5	0.5	2
	PC34. pour concrete appropriately and as per system requirements in pre cast moulds		2.5	0.5	2
	PC35. carry out vibration of the concrete using internal/external vibrators as per applicability		3.5	0.5	3
	PC36. ensure all embedded parts are intact during vibration		2.25	0.25	2
	PC37. ensure pre cast segment surface is finished as per specification		2.25	0.25	2
	 PC38. identify the type of defect on the concrete surface such as: air holes/voids bulges offset between joints honeycombing 		3.5	0.5	3
	PC39. notify superiors for type of defect and repair required		1.25	0.25	1
	PC40. ensure repair work is carried out only under the knowledge of superiors		1.25	0.25	1
	PC41. prepare a suitable mortar for filing the air holes/voids		2.25	0.25	2
	PC42. apply the mortar and rub using carborundum stone to obtain a flushed & smooth surface		2.5	0.5	2
	PC43. carry out chipping of the surface to remove bulges and offsets as per requirement		2.5	0.5	2
	PC44. carry out surface grinding to remove bulges and irregularities in concrete surface using sander / grinder		2.5	0.5	2
	PC45. ensure grinding is performed within acceptable levels		1.5	0.5	1
	PC46. fill narrow / wide cracks in concrete using appropriate filler / compounds		1.5	0.5	1
	PC47. ensure proper curing of repaired structure along with proper blending with the adjacent structure		1.25	0.25	1
		Total	100	20	80
	PC1. pass on work related information/ requirement clearly to the team members		10	2	8
CON/N8001: Work effectively	PC2. inform co-workers and superiors about any kind of deviations from work		5	1	4
in a team to deliver desired	PC3. address the problems effectively and report if required to immediate supervisor appropriately	100	5	1	4
results at the workplace	PC4. receive instructions clearly from superiors and respond effectively on same		5	1	4
	PC5. communicate to team members/subordinates for appropriate work technique and method		5	1	4

[PCC apple planification and advice as new requirement					
	PC6. seek clarification and advice as per requirement and applicability		10	2	8	
	PC7. hand over the required material, tools tackles, equipment and work fronts timely to interfacing teams		30	6	24	
	PC8. work together with co-workers in a synchronized manner	ork together with co-workers in a synchronized 30 6				
		Total	100	20	80	
	PC1. understand clearly the targets and timelines set by superiors		10	2	8	
	PC2. plan activities as per schedule and sequence		10	2	8	
	PC3. provide guidance to the subordinates to obtain desired outcome		10	2	8	
	PC4. plan housekeeping activities prior to and post completion of work		10	2	8	
	PC5. list and arrange required resources prior to commencement of work		10	2	8	
CON/N8002: Plan and organize	PC6. select and employ correct tools, tackles and equipment for completion of desired work	100	10	2	8	
work to meet expected	PC7. complete the work with allocated resources		10	2	8	
outcomes	PC8. engage allocated manpower in an appropriate manner		10	2	8	
	PC9. use resources in an optimum manner to avoid any unnecessary wastage		5	1	4	
	PC10. employ tools, tackles and equipment with care to avoid damage to the samePC11. organize work output, materials used, tools and tackles deployed,		5	1	4	
			5	1	4	
	PC12. processes adopted to be in line with the specified standards and instructions		5	1	4	
		Total	100	20	80	
	PC1. identify and report any hazards, risks or breaches in site safety to the appropriate authorities		5	1	4	
CON/NOCCO	PC2. follow emergency and evacuation procedures in case of accidents, fires, natural calamities	100	5	1	4	
CON/N9001: Work according to personal	according personal n, safety and onment PC3. follow recommended safe practices in handling construction materials, including chemical and hazardous material whenever applicable PC4. participate in safety awareness programs like Tool Box Talks, safety, demonstrations, mock, drills		10	2	8	
			5	1	4	
construction site			5	1	4	
	PC6. use appropriate Personal Protective Equipment (PPE) as per work requirements including:		10	2	8	

• He	ad Pr	otection	(Helmets)				
•	Ear		protection				
•	Fall		Protection				
• _	Foot	_	Protection				
• Fac		Eye	Protection				
 Han Respiratory 	d and Protection (if re	Body equired)	Protection				
PC7. handle equipment sa		5	1	4			
	afe disposal of aterials as per l				5	1	4
PC9. install and apply properly all safety equipment as instructed					15	3	12
PC10. follow by site EHS	safety protocol department	and practices	s as laid down		15	3	12
identified of	t and deposit co containers bef at may be need astes	ore dispos	al, separate		10	2	8
PC12. apply	ergonomic prine	ciples wherev	er required		10	2	8
				Total	100	20	80