



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

INFRASTRUCTURE EQUIPMENT SKILL COUNCIL

for the

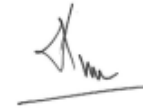
MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: 'Junior Hot Mix Plant Operator' QP No. 'IES/ Q 0115 NSQF Level 3'

Date of issuance: June 1st, 2017

Valid up to: April 30th, 2018

* Valid up to the next review date of the Qualification Pack



Authorized Signatory
(Infrastructure Equipment Skill Council)

TABLE OF CONTENTS

1. Curriculum	01
2. Trainer Prerequisites	09
3. Annexure: Assessment Criteria	10

Trainer Pre-requisites for Job role: “Junior Hot Mix Plant Operator” mapped to Qualification Pack: “IES/Q0115, 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 “IES/Q 0115 Version 1.0”.
2	Personal Attributes	Aptitude for conducting training, with strong communication and interpersonal skills. Passion for training and developing others; well-organised; and a team player. Eager to learn and keep oneself updated with the latest in the mentioned field.
3	Minimum Educational Qualifications	Class 8 th ; preferably 10 th
4a	Domain Certification	Certified for Job Role: “ <u>Junior Hot Mix Plant Operator</u> ” mapped to QP: “ <u>IES/Q 0115 – Version 1.0</u> ”. Minimum accepted score 70%. Desired: Certification Training in Hot Mix Plant Operations & Maintenance
4b	Platform Certification	Certified for Job Role: “ <u>Trainer</u> ” mapped to Qualification Pack: SSC/1402. Minimum accepted score 70%.
5	Experience	<ul style="list-style-type: none"> • Around 3 to 4 years’ site experience in Hot Mix Plant Operations. • At least 1 to 2 years’ experience in conducting O and M training programs.

Assessment Criteria	
Job Role	Junior Hot Mix Plant Operator
Qualification Pack	IES/Q 0115 Version 1.0
Sector Skill Council	Infrastructure Equipment

Sr. No.	Guidelines for Assessment
1	Criteria for assessment for Qualification Pack has been laid down based on the NOS's. Each Performance Criteria (PC) has been assigned marks proportional to its importance within NOS.SSC will also lay down proportion of marks for Theory and Skill Practical for each PC.
2	The assessment for the theory part will be based on knowledge bank of questions created by the SSC.
3	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below)
4	Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criteria.
5	To pass the Qualification Pack, every trainee should score a minimum of 40% in each NOS and 50% aggregate
6	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.

Assessment Outcomes	Assessment Criteria for the outcome	Total Mark	Marks Allocation		
			Out Of	Theory	Skills Practical
1. IES/N0143 Assist in carrying out pre-operation checks on hot mix plant	PC1. Assist in conducting visual inspection around the hot mix plant with the senior operator for oil leaks in different parts of the plant	35	3	1	2
	PC2. Assist in checking electrical connection including the motors used in the plant		2	1	1
	PC3. Check if the roller filters are free of impurities		2	1	1
	PC4. Check whether the bolts and other valves are appropriately fixed		3	1	2
	PC5. Fill diesel in the power generator as per operator's / supervisor's instructions		3	1	2
	PC6. Check all incoming electrical connections and the motors in the plant		3	1	2

	PC5. Assist in starting components in correct order manually or through computer controls		2.5	0.5	2
	PC6. Assist in checking flow of materials into the mixing drum based on the instructions from the operator/ supervisor		3	1	2
	PC7. Provide indications to the operator to control the speed and flow of different materials		3	1	2
	PC8. Assist the operator in monitoring the temperature of the bitumen regularly		2	1	1
	PC9. Coordinate with the co- workers to ensure regular supply of raw materials in the appropriate hoppers		1.5	1	0.5
	PC10. Remove obstructions if any during the operations based on instructions from the operator/ supervisor		1.5	1	0.5
	PC11. Check water supply in the mixing drum and pollution bank as per the instructions from the operator/ supervisor		1	0	1
	PC12. Check the output is as per the mix design/ customer requirements		1	0	1
	PC13. Check the weigh hopper for appropriate flow of output		1	0	1
	PC16. Check proper flow of hot mix in hot mix surge silo as per the requirement		1	0	1
	PC 17. Wear dust masks when working around the plant		1.5	0.5	1
	PC18. Make positive eye contact with other equipment operators at the site before crossing in front of or behind the equipment		1	0.5	0.5
	PC19. Wear all PPE while sampling asphalt binder and for all operations		1.5	0.5	1

	PC8. Respond promptly and appropriately to an accident/ incident or emergency situation, within limits of your role and responsibility		1.5	0.5	1
	PC9. Record and report details related to operations, incidents or accidents, as applicable		1.5	0.5	1
		Total	15	5	10