

# Model Curriculum

## Batching Plant Operator

**SECTOR: INFRASTRUCTURE EQUIPMENT**  
**SUB-SECTOR: EQUIPMENT OPERATIONS**  
**OCCUPATION: OPERATOR**  
**REF ID: IES/Q0116, V1.0**  
**NSQF LEVEL: 4**



## Certificate

### CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

**INFRASTRUCTURE EQUIPMENT SKILL COUNCIL**

for the

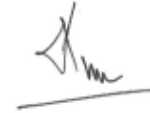
### MODEL CURRICULUM

Complying to National Occupational Standards of  
Job Role/ Qualification Pack: '**Batching Plant Operator**' QP No. '**IES/ Q 0116 NSQF Level 4**'

Date of Issuance: June 1<sup>st</sup>, 2017

Valid up to: April 30<sup>th</sup>, 2018

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



Authorized Signatory  
(Infrastructure Equipment Skill Council)

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<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Batching Plant Operator</b>
<b>Qualification Pack</b>	<b>IES/Q 0116 Version 1.0</b>
<b>Sector Skill Council</b>	<b>Infrastructure Equipment</b>

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 60% 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/N0146 Carry out pre-operation checks on a batching plant	PC1. Inspect oil and filter on air compressor, drain tank manifolds and all water traps as per the procedures set by the manufacturer	<b>30</b>	2	1	1
	PC2. Check the oil level in all gear boxes, hydraulic unit, drum motor oil and auto-roll as per the procedures set by the manufacturer		2	1	1
	PC3. Ensure that the cement bin aeration system is operating properly		1.5	0.5	1
	PC4. Ensure that all bins and silos are full as per the production requirement		1.5	0.5	1
	PC5. Inspect tension on all V-drive belts and other belts for wear and tear		1.5	0.5	1
	PC6. Ensure that liquid admixtures are stored as per the organizational standards to avoid contamination		1	0.5	0.5







	PC22. Wear dust masks when working around the plant		2	1	1
	PC23. Make positive eye contact with other equipment operators at the site before crossing in front of or behind the equipment		1.5	1	0.5
	PC24. Wear all PPE while sampling concrete and for all operations		2	1	1
	PC25. Record input and output flow as per the desired formats of the organization		2	1	1
		<b>Total</b>	<b>35</b>	<b>12</b>	<b>23</b>
3. IES/N0148 Carry out maintenance and troubleshooting of the batching plant	PC1. Assess the right service schedule by tracking plant operating hours as per organizational procedures		1.5	1	0.5
	PC2. Perform basic housekeeping activities in the control room		2	1	1
	PC3. Lubricate all bearings including head and tail pulleys on all conveyors, head and tail bearing on cement feeder screws wheel bearing supports on turn head, aggregate gate pivot points etc		3	1	2
	PC4. Inspect and /or adjust all belt wipers	<b>20</b>	1	0	1
	PC5. Blow clean all air filters on air compressor and aeration blowers		0.5	0	0.5
	PC6. Adjust tension of the chain and scoops unit		0.5	0	0.5
	PC7. Turn off the mains power from panel completely before carrying out maintenance work		0.5	0	0.5
	PC8. Keep all panels under shelter, water should not enter the panels		1	0.5	0.5
	PC9. Ensure that the mixer is stopped before making any adjustments		1	0.5	0.5





	PC5. Handle the transport, storage and disposal of hazardous materials and waste in compliance with worksite health, safety and environmental guidelines		2	1	1
	PC6. Operate various grades of fire extinguishers, as applicable		2.5	0.5	2
	PC7. Support in administering basic first aid and report to concerned team members, as required, in case of an accident		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
		<b>Total</b>	<b>15</b>	<b>5</b>	<b>10</b>