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NSDA Reference
To be added by NSDA

Name and address of submitting body:

Infrastructure Equipment Sector Council

23-29, FF5, First Floor, "White House Building"

St. Marks Road, (Opp SBI)

Bengaluru - 560001

Name and contact details of individual dealing with the submission

Name: Col Krishna Vijay

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List of documents submitted in support of the Qualifications File

- 1. Annexure 1: Qualification Pack
- 2. Annexure 2: IESC & LabourNet Agreement for development of Occupational Standards
- 3. Annexure 3: Approval of GC on the classification of small, medium and large companies for NOS development
- 4. Annexure 4: GC resolution for formation of NOS Sub-committee
- 5. Annexure 5: Occupational Analysis, List of companies and Industry associations participated in the development of these qualification packs (part of Occupational Analysis)
- 6. Annexure 6: List of QP/NOS validating companies
- 7. Annexure 7: NSDC QRC observation and feedback sheet
- 8. Annexure 8: Standard protocol for accreditation & assessments

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SUMMARY

Body/bodies which will	Infrastructure Equipment	Sector Council		
qualification				
carry out assessment of				
learners				
Occupation(s) to which	Equipment operations- Ho	ot Mix Plant Ope	erator	
the qualification gives				
access				
Licensing requirements	N/A			
Level of the qualification	4			
in the NSQF				
Anticipated volume of	208 Hours			
training/learning				
required to complete the				
qualification				
Entry requirements	Preferably Class VIII + Junio	or Hot Mix Plant	Operator	
and/or recommendations				
Progression from the	Senior Hot Mix Plant Opera	ator		
qualification				
Planned arrangements	Presently the industry has	_	-	
for the Recognition of	who are trained and exper		•	
Prior learning (RPL)	It is proposed to certify the		_	
	program which will go a lo	ng way in facilita	ating their caree	er progression.
International	US- Asphalt Plant Operato	r I- Classificatio	n Specification	600801
comparability where	The standard is about op	erating and ma	intaining the a	sphalt plant and
known	performing major and min	or repairs on th	e equipment. It	specifies design,
	mixes and tests on asphalt	blends.		
Date of planned review	30/04/18			
of the qualification.				
Formal structure of the qu	alification		·	·
Title of component and ide	entification code.	Mandatory/ Optional	Estimated size (learning	Level

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		hours)	
IES/N0119 Carry out pre-operation checks on a hot mix plant	M	32	4
IES/N0120 Carry out hot mix plant operations	M	102	4
IES/N0121 Carry out routine maintenance and troubleshooting of the hot mix plant	М	42	4
IES/N7601 Comply with worksite health and safety guidelines	M	32	4

Please attach any document giving further detail about the structure of the qualification – eg a Curriculum Document or a Qualification Pack.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information. Qualification Pack is attached as Annexure 1

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SECTION 1

ASSESSMENT

Body/Bodies which will carry out assessment:

Confederation of Indian Industries (CII)

How will RPL assessment be managed and who will carry it out?

RPL program is designed to assess and certify those personnel with the requisite qualifications and experience. In the first step, individuals are screened and assessed, both through theory and practical tests, based on the same Assessment Criteria of the approved Qualification Pack. The skill gaps are thus identified and individuals undergo 'bridge training' as applicable. Then at the end of the short course they are finally assessed and certified.

Describe the overall assessment strategy and specific arrangements which have been put in place to ensure that assessment is always valid, reliable and fair and show that these are in line with the requirements of the NSQF.

The emphasis is on 'learning-by-doing' and practical demonstration of skills and knowledge based on the performance criteria.

The assessment papers are developed by Subject Matter Experts (SME) available with the Assessment Agency as per the performance and assessment criteria mentioned in the Qualification Pack. The assessments papers are also checked for the various outcome based parameters such as quality, time taken, precision, tools & equipment requirement etc. The assessment sets are then reviewed by IESC official for consistency.

The assessments are designed so as to assess maximum parts during the practical hands on work. The technical limitations at the training centres are taken care in theory and viva to assess the conceptual understanding, Criteria such as use of lift to pick heavy objects or selection of fire extinguisher during a fire are also assessed under theory/viva.

The assessment agencies are instructed to hire assessors with integrity, reliability and fairness. Each assessor shall sign a document with its assessment agency by which they commit themselves to comply with the rules of confidentiality and conflict of interest, independence from commercial and other interests that would compromise impartiality of the assessments. The assessment agencies are instructed to ideally have assessor with minimum 15 years industry experience as an ITI graduate / minimum 10 years' industry experience as diploma engineer and minimum 5 years' industry experience as graduate engineer.

The assessors selected by Assessment Agencies are scrutinized and made to undergo training and introduction to IESC Assessment Framework, competency based assessments, assessors guide etc.

The assessors are provided with assessors guide developed by the Subject Matter Expert of the assessment agency as per the assessment framework. The assessment guides are developed to ensure the maximum possible consistency in the assessment by different assessors and elaborate on the following

Qualification Pack Structure

Guidance for the assessor to conduct theory, practical and viva assessments

Guidance for trainees to be given by assessor before the start of the assessments.

Guidance on assessments process, practical brief with steps of operations practical observation checklist and mark sheet

Viva guidance for uniformity and consistency across the batch.

The assessment by assessment agency will be completely based on the assessment criteria as mentioned in the Qualification Pack. Each NOS in the Qualification Pack (QP) will be assigned a relative weightage for

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assessment based on the criticality of the NOS- unique (functional)/ common NOS for job roles at the same levels. Therein each Performance Criteria in the NOS will be assigned marks for or practical based on relative importance, criticality of function and training infrastructure.

The following tools are proposed to be used for final assessment:

Each NOS in the QP will be assigned a relative weightage for assessment based on the functional importance of each. Further each Performance Criteria in the NOS will be assigned marks based on relative functional importance; which is in turn divided into theory and practical assessment. Overall practical constitutes 70% and written 30% of total marks.

<u>Viva/Structured Interview</u>: This tool will be used to assess select conceptual understandings related to practical handling of equipment and procedures with specific tasks at hand; and behavioral aspects of the job role. It will also include questions on tools & equipment; safety and environment

<u>Written Test:</u> This tool will be used to assess general conceptual knowledge / understanding and other aspects of the job role which are either not feasible or difficult to assess practically. The written assessment will comprise of

True / False Statements

Multiple Choice Questions

Matching Type Questions.

Optical Mark Recognition (OMR)/ Online System for this will be preferred.

ASSESSMENT EVIDENCE

CRITERIA FOR ASSESSMENT OF TRAINEES

Job Role Hot Mix Plant Operator

Qualification Pack IES/Q0114

Sector Skill Council Infrastructure Equipment

Guidelines for Assessment

- 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 theory part will be based on knowledge bank of questions created by the SSC
- 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/N0119_Carry out pre- operation checks on a hot mix plant	PC1.Conduct visual inspection around the hot mix plant for oil leaks in different parts of the plant		2	1	1
	PC2.Check for various electrical connection including the motors used in the plant		1	0	1
	PC3.Ensure the conveyor belts is in proper working condition as per the manufacturer's instructions		2	1	1
	PC4.Check if the roller filters are free of impurities		2	0	2
	PC5.Check whether the bolts and other valves are appropriately fixed		2	1	1
	PC6.Ensure that the power generator has enough amount of diesel as per the plant requirement	30	1	0	1
	PC7.Inspect all incoming electrical connections and the motors in the plant		2	1	1
	PC8. Check panel to ensure that controls are in correct position for starting		2	0	2
	PC9. Check if the fuel and lubricant levels in the burners is as per the requirement		2	1	1
	PC10. Visually check the cabin for any obstructions		1	0	1
	PC11. Check monitoring and warning systems as per the operational manual		2	1	1

	_				
	PC12. Ensure that the				
	required amount and size				
	of course aggregate and		2	1	1
	gravels are present in the				
	hoppers				
	PC13. Check if the quantity				
	of the bitumen in the plant				4
	is as per the requirement		1	0	1
	of the mix design				
	PC14. Ensure all the				
	hoppers are clear and free		2	0	2
	from the obstructions				
	PC15. Maintain a				
	checking/maintenance				
	logbook to record all		2	1	1
	activities performed before				
	starting the compactor				
	PC16. Maintain a				
	checking/maintenance				
	logbook to record all		2	1	1
	activities performed before		_	_	-
	starting the operation				
	PC17.Report defects				
	precisely to the supervisor		2	0	2
	if beyond scope of the role		2		2
	ii beyond scope of the fole	Total	20		24
		Total	30	9	21
	PC1. Heat the pipeline of				
2. IES/N0120 Carry out hot mix	the bitumen before				4
plant operations	starting the operation to		1	0	1
	clear the residual from				
	previous operations				
	PC2. Heat the bitumen 12				
	hours before mixing at a				
	temperature of 150-160		1	0	1
	degrees Celsius or as per				
	the manufacturer's				
	instructions	35			
	PC3. Turn on the exhaust				
	motor to clear the dust		2	1	1
	from the filler elevators as		_	_	_
	per the set procedures				
	PC4. Turn on the power				
	generator switch to supply		0.5	0	0.5
	power to the hot mix plant				
	PC5. Turn on the hot mix				
	plant by pressing on the		2	1	1
	appropriate switches				
	1		ı		

1			
PC6. Test run the hot mix	1	0	1
plant for checking the	1	U	1
normal functioning PC7. Ensure there is			
enough heated bitumen	1	0	1
inthe tank by checking on			
the control panel PC8. Feed the numeric data			
and operational data into a			
computer system for	0.5	0	0.5
asphalt plant production			
activities as per the mix			
design PC9. Turn on the hot mix			
plant as per the manufacturer's	2	1	1
instructions			
PC10. Start components in			4
correct order manually or		0	1
through computer controls			
PC11. Ensure proper flow			
of materials into the mixing			_
drum visually and by		0	1
monitoring the indicators			
on the control panel			
PC12. Control the speed			
and flow of different	1.5	1	0.5
materials in the drum as			
per the required output			
PC13. Observes gauges,			
dials, and operation of	_		
machinery to ensure	2	1	1
conformance to processing			
specifications.		1	
PC14. Monitor the			
temperature of the			
bitumen regularly by	0.5	0	0.5
checking the indicators on			
the control panel			
PC15. Coordinate with the			
co- workers to ensure			
regular supply of raw	2	1	1
materials in the			
appropriate hoppers			
PC16. Ensure removal of			
obstructions if any during	1	0	1
the operations			
		•	•

PC17. Ensure water supply				
in the mixing drum and				
pollution bank as per the		1	0	1
manufacturer's				
instructions				
PC18. Check the output is				
as per the mix design/		1.5	1	0.5
customer requirements				
PC19.Monitor the weigh				
hopper for appropriate		1	0	1
flow of output				
PC20.Ensure proper flow of				
hot mix in hot mix surge		2	1	1
silo as per the requirement		2	_	_
PC21.Coordinate with the				
vehicle operators for		1	0	1
collecting the output		1		
PC22.Monitor for proper				
functioning of the hot mix		0.5	0	0.5
plant as per the				
requirement				
PC23.Turn off the plant				
operation during		_		
emergencies by pressing		1	0	1
the emergency switch				
button				
PC24.Inform supervisor of				
any problems while		2	1	1
operating the hot mix plant				
PC25.Wear dust masks				
when working around the		1	0	1
plant				
PC26.Make positive eye				
contact with other				
equipment operators at		1	0	1
the site before crossing in		1		_
front of or behind the				
equipment				
PC27.Wear all PPE while				
sampling asphalt binder		1	0	1
and for all operations				
PC28.Record input and				
output flow as per the		2		
desired formats of the		2	1	1
organization				
	Total	35	10	25

	1		1		
3. IES/N0121_Carry out routine	PC1. Assess the right				
maintenance and	service schedule by		2	1	1
troubleshooting of the hot mix	tracking machine operating				
plant	hours				
	PC2. Arrange for and				
	perform scheduled				
	maintenance, such as		1	0	1
	replace worn parts such as				
	belts, roller bearings, etc.				
	PC3. Perform basic				
	maintenance, such as				
	change spark plug, grease		1	0	1
	controls, cleaning of				
	conveyor belts				
	PC4. Check bearings at the				
	burner end of the slinger		1	0.5	0.5
	conveyor for excessive		1	0.5	0.5
	heating				
	PC5. Replenish coolants,				
	lubricants and fluids				
	regularly as per the		2	1	1
	manufacturer's				
	instructions				
	PC6. Change filter, clean	20			
	and change flame-eye				
	regularly as per the		1	0	1
	operating hours/		1	U	1
	manufacturer's				
	instructions				
	PC7. Inspect silos, fuel				
	tanks for leaks or		0.5		0.5
	scattering of concrete or		0.5	0	0.5
	limestone regularly				
	PC8. Lubricate all pins and				
	pivot points regularly as				
	per the machine		2	1	1
	manuals/manufacturer's				
	instructions				
	PC9. Check battery levels				
	and condition of the				
	terminals and carry out	1	1	0	1
	minor adjustments if				
	required				
	PC10. Identify service				
	needs, defects, and			_	_
	hazardous conditions		1	0	1
	through visual inspection				
	1.0		1	<u> </u>	<u> </u>

	1			1	
	PC11. Arrange for and				
	assist repair or				
	replacement of defective		2	1	1
	components, such as				
	motor, burner,				
	temperature control				
	PC12. Read indicators that				
	signal need for		1.5	0.5	1
	replacement, such as air		1.5	0.5	1
	filter on compressor				
	PC13. Identify missing or				
	defective components or		0.5		0.5
	controls as per the		0.5	0	0.5
	equipment drawings				
	PC14. Comply with safety				
	requirements, such as				
	confined space, lock-out		1.5	0.5	1
	procedures				
	PC15. Maintain records				
	and documentation				
	relating to service, such as		1	0	1
	log books, repair lists, etc.				
	PC16. Follow reporting				
	procedures as laid down by		1	0.5	0.5
	procedures as laid down by			0.5	0.5
	the employer	Total	20		14
	the employer	Total	20	6	14
	PC1. Comply with safety,	Total	20	6	14
4. IES/N7601_Comply with	PC1. Comply with safety, health, security and	Total			
worksite health and safety	PC1. Comply with safety, health, security and environment related	Total	20	6	14
_ : :	PC1. Comply with safety, health, security and environment related regulations/ guidelines at	Total			
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site	Total			
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal	Total			
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE)	Total			
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as	Total	2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the	Total			
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as	Total	2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the		2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the	Total	2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite		2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety		2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during		2	1	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of		1	0	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including		1	0	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is		1	0	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk		1	0	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk PC4. Carry out operations		1	1 0	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk PC4. Carry out operations as per the manufacturer's		1	0	1
worksite health and safety	PC1. Comply with safety, health, security and environment related regulations/ guidelines at the work site PC2. Use Personal Protective Equipment (PPE) and other safety gear as applicable to the equipment and the worksite PC3. Follow safety measures during operations to ensure that the health and safety of self or others (including members of the public) is not at risk PC4. Carry out operations		2	1 0	1 1

	Total	15	5	10
 accidents, as applicable				
operations, incidents or		_		
details related to		2	1	1
PC9. Record and report				
and responsibility				
within limits of your role				
emergency situation,		_		_
accident/ incident or		1	0	1
and appropriately to an				
PC8. Respond promptly				
accident				
required, in case of an				
team members, as			1	1
and report to concerned		2	1	1
administering basic first aid				
PC7. Support in				
extinguishers, as applicable				
grades of fire		1	0	1
PC6. Operate various				
environmental guidelines				
worksite health, safety and				
waste in compliance with		2	0	2
hazardous materials and				2
storage and disposal of				
PC5. Handle the transport,				

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SECTION 2

EVIDENCE OF LEVEL

Title/Name of qua	alification/component: Hot Mix Plant Operator	Level: 4		
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level	
Process	Hot Mix Plant Operator is expected to conduct pre-operation checks on Hot Mix Plant, select the appropriate attachment for the job, operate the hot mix plant as per the job and do basic maintenance	The activities identified are the <i>familiar and routine activities</i> for him as these activities are independent of job and worksite he is deployed on, for e.g.: bitumen and temperature checks, clearing hoppers of unwanted materials, conducting test runs, etc. Considering the outcomes the job roles is pegged at level 04	4	
Professional knowledge	Operator is expected to have knowledge of the functioning and operation of Hot Mix Plant. Feature/specifications of the various attachment used and knowledge of hot mix plant components, pre-operation checklist and routine maintenance	Considering the in-depth professional and factual knowledge , which a Hot Mix Plant operator has for hot mix plant operation and maintenance such as components of hot mix plant, basics and engine motors, aggregates, instrument panel, etc. Therefore this QP is pegged at Level 4.	4	
Professional skill	Hot Mix Plant Operator <i>identifies the appropriate attachment</i> for various job like feeding, drum mixing, conveying, etc.; temperature requirements, material flow, etc. He <i>checks the Hot Mix Plant for operation readiness</i> using pre-operation checklist and <i>conducts the routine maintenance</i> covering lubrication, oil levels, coolant, air filters, motors, tyre, body structure, conveyor belts checks and keep the records as per the operations manual & standard operating procedures.	He is <i>practically engaged</i> in the hot mix plant operation and maintenance. The major skills required are recording of deviations, comprehension of sign symbols, communication, etc. Therefore the QP is set at level 4	4	
Core skill	Operator is expected to read and understand the various instrument panel, fluid levels and other indicators for preoperation checks and routine maintenance. He has to set	Operator has to continuously give and receive instructions and guidance from co-workers on-site for starting and stopping the hot mix plant hence they are expected to be good in	4	

Title/Name of qu	ualification/component: Hot Mix Plant Operator	Level: 4		
NSQF Domain	Key requirements of the job role	How the job role relates to the NSQF level descriptors	NSQF Level	
	right temperature during the mixing process. All of this requires <i>application of basic arithmetic principles</i> .	communication skills. Jobholder is expected to conduct themselves in ways, which show a basic understanding of the social and professional environment of working at construction, mining or other sites		
Responsibility	 The jobholder is responsible to: Conduct pre-operation checks Operate hot mix plant Conduct routine maintenance Comply with worksite health and safety For each work site there can be variations in usage and operation of the hot mix plant. So the jobholder based on his own learning and experience, identify appropriate attachment and operation process to maximize the productivity efficiently. He is continuously engaged in the self-learning process and he has the responsibility for own work. 	Jobholder is majorly responsible for his own job and self-learning process which justifies the pegging of the QP at level 4 and not directly responsible for learning of others (which is a requirement for Level 5). In his routine activity he is free from supervision (which is a requirement of level 3).	4	

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SECTION 3

EVIDENCE OF NEED

What evidence is there that the qualification is needed?

The job roles have been formulated based on 'occupational mapping and functional analysis' involving manufacturers and customers/ end users of the infrastructure equipment sector products. Further these have been validated by all segments of the industry i.e. small, medium and large customers. The methodology / questionnaire and certificates in support for all have been enclosed.

What is the estimated uptake of this qualification and what is the basis of this estimate?

The Occupational Analysis Report in support of these job roles has taken into account the industry growth and expected demand over the coming years. These statistics and other details have been covered in depth under the relevant sections of the same.

What steps were taken to ensure that the qualification(s) does (do) not duplicate already existing or planned qualifications in the NSQF?

- NSDC list of Approved and Under-Development QPs was checked prior to commissioning the work
- Consultations with Skill Councils for Construction and Mining Sector
- NSDC QRC team also confirmed the same

What arrangements are in place to monitor and review the qualification(s)? What data will be used and at what point will the qualification(s) be revised or updated?

- Employer feedback will be sought post-placement
- A formal review is scheduled in two years time

Please attach any documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

Annexure 5: Section 3 and 4.1 of Occupational Analysis

Annexure 7: NSDC QRC observation and feedback sheet

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SECTION 4

EVIDENCE OF PROGRESSION

What steps have been taken in the design of this or other qualifications to ensure that there is a clear path to other qualifications in this sector?

While designing the national occupational standards, occupational mapping was done on a large sample size and validated across the country. The career progression for roles in each occupation was also analysed and decided, based on industry validation across the country. The current challenges faced by the industry, at large, was also kept in mind.

Hot Mix Plant Operator (Level 4) > Senior Hot Mix Plant Operator (Level 5) > Master Operator/Trainer

Operator (Level 6) > Supervisor (Level 7)

*Level= NSQF level

Please attach any documents giving further information about any of the topics above.

Give the titles and other relevant details of the document(s) here. Include page references showing where to find the relevant information.

- Annexure 5: Section 5 of Occupational Analysis
- Annexure 5: List of companies and Industry associations participated in development of these qualifications (Annexure B)