





# **APPRENTICESHIP CURRICULUM (OPTIONAL TRADE)**

# Rubber

# **Rubber\_Extruder Operator**

Course Code: CO082200017

 $\boxtimes$ NAPS  $\square$ Non-NAPS

NSQF Level: 4



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## **Course Details**

1.	Course Name	Rubbe	r_Extruder Operator					
2.	Course Code	CO082	C0082200017					
3.	Apprenticeship Training Duration:	Month	Months: 12 months					
	(2 to 4 weeks of BT is embedded in this duration as per the requirement							
	of the establishment)							
	Remarks							
4.	Credit	TBD						
5.	NSQF Level (Mandatory for NAPS)	4	NSQC A	pproval Date: 31/0	03/2022			
6.	Related NSQF aligned qualification details							
		S.no	QP/ Qualification/ NOS Name (As applicable)	QP/ NOS Code & Version	NQR Code			
		1	Rubber Extruder Operator	RSC/Q2601_V2	2022/RUB/RSDC/05743			
7.	Brief Job Role Description	1.	The Rubber Extruder Opera compound to the extruder, extruder and perform post	carry out the extru	sion operation using the			
	<b>NCO-2015 Code &amp; Occupation</b> (Access the NCO 2015 volumes from: <u>https://labour.gov.in/organizationsofmole/directorate-general-employment-training-dget</u> )	NCO-2	015/NIL					
	Minimum Eligibility Criteria		10th Class (2 yea	ars of relevant expe	rience)			
	(Educational and/ or Technical Qualification)			OR				
		12th Class (6 months of relevant experience)						
				OR				
		Ce	ertificate (of Level 3- Junior R	ubber Technician w	ith 2 years of relevant			
			e	experience)				

Entry Age for Apprenticeship	18 years						
Any Licensing Requirements (wherever applicable)	NA						
Is the Job Role amenable to Persons with Disability	☐ Yes ⊠ No If yes, check the applicable type of Disability						
	□ □ Leprosy □ Cerebral □ Dwarfism □ Locomotor Cured Palsy Muscula Disability Person Dystroph						
	<ul> <li>□ Acid</li> <li>□ Blindness</li> <li>□ Low Vision</li> <li>□ Deaf</li> <li>□ Hard</li> <li>□</li></ul>						
	□ Speech □ □ Specific □ Autism □ Ment and Intellectual Learning Spectrum Illness Language Disability Disabilities Disorder Disability						
	Multiple       Image: Constraint of the sector						
	☐ Multiple Disabilities						
	Remarks:						
Submitting Body Details	Name: Rubber, Chemical & Petrochemical Skill Development Council E-mail ID: ceo@rcpsdc.in Contact Number: 011-41009347- 48						
Certifying Body	Rubber, Chemical & Petrochemical Skill development Council						
Employment Avenues/Opportunities	Self-Employment:						

Career Progression	Trainees can also start their own business and also provide jobs to other people. <b>Rubber Product Finishing</b> Jobs Opportunities in private companies: The trainees can get a job in a relevant corporate Rubber Extrusion Supervisor level role which will leads to Supervisor Extrusion(including braiding) under Tyre and Non-Tyre rubber manufacturing
	process
Trainer's Qualification & Experience:	Any Graduate preferably in rubber or polymer.
Curriculum Creation Date	01/08/2022
Curriculum Valid up to Date	31/03/2025

## Module Details

S. No	Module/NOS Name,	Outcomes	Assess	ment	Passin	g
	Code, Version		Marks Th. Pr.		Percer	ntage
			Th.	Pr.	Th.	Pr.
1.	Perform Pre Rubber Extrusion Activities RSC/N2612	<ul> <li>Explain different types of extruders and their operation as well as control panel</li> <li>Discuss about different types of feeding systems and their control</li> <li>Throw light on the implications of poorly prepared equipment, power failure etc.</li> <li>Explain the importance of identifying non-conforming material and storage of the same</li> <li>Discuss about the risk and impact of not following defined procedures/work instructions</li> <li>Illustrate the escalation matrix for reporting identified problems</li> <li>Discuss about the types of documentation in organization and importance of the same</li> <li>Throw light on the records to be maintained and implications of non-maintenance of the same</li> <li>Discuss the importance of housekeeping &amp; good shop floor practices (eg. 3s &amp; 5s)</li> <li>Throw light on the health, safety and environment guidelines, legislation and regulations asapplicable</li> <li>Discuss about personal protection (which protective equipment to be used and how)</li> <li>Illustrate the usage of different types of fire extinguishers</li> <li>Explain the impact of poor practices on health, safety and environment</li> <li>Discuss about the potential hazards and actions to minimize the same</li> <li>Illustrate the usage of FIFO</li> <li>Discuss the importance of FIFO</li> </ul>	60	40	70%	70%

S. No	Module/NOS Name, Code, Version	Outcomes		Assessment Marks Th. Pr.	Passin Perce	-
			Th.	Pr.	Th.	Pr.
		<ul> <li>Discuss about handover/ takeover the equipment/ work area as per company's sop</li> <li>Discuss about the knowledge of different extruders and their operations (equipment working,possible setting levels, typical process followed for different products)</li> <li>Throw light on the cleanliness and safety requirements for commencing a extruding batchoperation</li> <li>Discuss about proper feeding rate (to avoid under/ over feeding) during the operation andmaintaining constant back pressure</li> <li>Throw light on the health hazards of process and compounding ingredients</li> <li>Cite the effects of continuous direct exposure of the extrudate to the skin</li> <li>Explain the implications of delays in preparation process</li> <li>Illustrate the types of defects leading to rejections, reasons and possible solutions</li> <li>Describe the units of measurement</li> <li>Illustrate the response to emergencies e.g. power failures, fire and system failures and manualintervention to avoid disaster</li> <li>Summarize the knowledge of appropriate batch size with respect to appropriate machinery</li> </ul>				
2.	Perform Rubber Extrusion Operation RSC/N2613	<ul> <li>Explain different types of extruders and their operation as well as control panel.</li> <li>Elucidate the implications of poorly prepared equipment, power failure etc.</li> <li>Illustrate the material disposal procedure, importance of appropriate disposal of material and implications of not following the material disposal procedure</li> <li>Explain the quality and damage checks to be done and importance of the same</li> <li>Discuss about the importance of identifying non-conforming products and storage of thesame</li> <li>Cite the risk and impact of not following defined procedures/work instructions</li> <li>Illustrate the escalation matrix for reporting identified issues</li> <li>Recognise the types of documentation in organization and importance of the same</li> </ul>	50	50	70%	70%

S. No	No Module/NOS Name, Outcomes Code, Version	Outcomes	Assess Ma		nt Passing Percenta	
			Th.	Pr.	Th.	Pr.
		<ul> <li>Discuss about the records to be maintained and implications of non-maintenance of the same</li> <li>Explain the importance of housekeeping &amp; good shop floor practices (eg. 3s &amp; 5s)</li> <li>Throw light on the health, safety and environment guidelines, legislation and regulations asapplicable</li> <li>Discuss about personal protection (which protective equipment to be used and how)</li> <li>Elucidate the impact of poor practices on health, safety and environment</li> <li>Discuss about the potential hazards and actions to minimize the same.</li> <li>Illustrate the escalation matrix and escalation procedure for reporting hazards.</li> <li>Discuss about the importance of FIFO</li> <li>Explain the impact of various practices on cost, quality, productivity, delivery and safety</li> <li>Discuss about the cleanliness and safety requirements for commencing a extruding batchoperation</li> <li>Cite the tolerance levels for various parameters (temperature, pressure, rpm and weight)</li> <li>Define proper feeding rate (to avoid under/ over feeding) during the operation andmintaining</li> <li>constant back pressure</li> <li>Illuminate on the health hazards of process and compounding ingredients</li> <li>Discuss about the easurement techniques using gauges and balance (for thickness, widthand weight)</li> <li>Explain the effects of continuous direct exposure of the extrudate to the skin</li> </ul>				

S. No	Module/NOS Name, Code, Version		Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul> <li>Identify the types of defects leading to rejections, reasons and possible solutions</li> <li>Describe the units of measurement</li> <li>Explain how to response to emergencies e.g. power failures, fire and system failures andmanual</li> <li>intervention to avoid disaster</li> <li>Discuss about the knowledge of appropriate batch size with respect to appropriate machinery</li> </ul>				
3.	Undertake post rubber extrusion activities RSC/N2614	<ul> <li>Discuss about the implications of poorly prepared equipment, power failure etc.</li> <li>Illustrate the material disposal procedure, importance of appropriate disposal of material andimplications of not following the material disposal procedure</li> <li>Explain the significance of batch marking (individual extrudate identification marking)</li> <li>Explain the importance of identifying non-conforming product and storage of the same</li> <li>Elucidate the risk and impact of not following defined procedures/work instructions</li> <li>Illustrate the escalation matrix and procedure for reporting identified problems</li> <li>Identify different types of documentation in organization and importance of the same</li> <li>Discuss about the records to be maintained and implications of non-maintenance of the same</li> <li>Explain the importance of housekeeping &amp; good shop floor practices (eg. 3s &amp; 5s)</li> <li>Discuss about the health, safety and environment guidelines, legislation and regulations asapplicable</li> <li>Discuss about the personal protection (which protective equipment to be used and how)</li> <li>Identify potential hazards and actions to minimize the same</li> </ul>	50	50	70%	70%

S. No	Module/NOS Name, Code, Version	Outcomes	Assess Ma		Passir Perce	-
			Th.	Pr.	Th.	Pr.
		<ul> <li>Illuminate the impact of poor practices on health, safety and environment</li> <li>Illustrate the escalation matrix and procedure for reporting hazards</li> <li>Tell how to handover/ takeover the equipment/ work area as per organisational sop</li> <li>Explain the emergency stops procedures for the extruding machine.</li> <li>Discuss about the effect of improper extrusion on properties of product.</li> <li>Explain the effects of continuous direct exposure of the extrudate to the skin</li> <li>Describe the working of the online marking systems</li> <li>Explain the batch marking /identification techniques</li> <li>Explain the implications of incorrect batch marking</li> <li>Discuss about the units of measurement</li> <li>Throw light on the coding systems for identification and traceability</li> <li>Summarize the knowledge of weighing scales</li> <li>Throw light on the storage life of the compound, knowledge of ambient temperature andeffect on compound</li> <li>Explain on line marking system</li> <li>Describe the usage of different types of fire extinguishers</li> </ul>				
4.	Carry out healthand safety RSC/N5007	<ul> <li>Discuss about the policies on incentives, delivery standards, and personnelmanagement.</li> <li>Illustrate the occupational safety and health policy followed</li> <li>Discuss about the emergency evacuation procedure</li> <li>Discuss about the medical policy</li> <li>Throw light on the company laws and acts</li> <li>Explain the risks to health and safety and the measures to be taken to control those risks in the area of work</li> <li>Discuss about workplace procedures and requirements for the handling of</li> </ul>	30	70	70%	70%

S. No	Module/NOS Name, Code, Version	Outcomes		Assessment Marks Th. Pr.	Passir Perce	-
			Th.	Pr.	Th.	Pr.
		<ul> <li>workplaceinjuries/illnesses.</li> <li>Elucidate basic emergency first aid procedure</li> <li>Discuss about local emergency services</li> <li>Explain how to conduct reporting on accidents, incidents and problems toappropriate authorities.</li> <li>Discuss how to use machines as per standard operating procedure</li> <li>Tell how to maintain work area safe and secure</li> <li>Cite the use of hazardous materials, tools and equipment</li> <li>Discuss about personal hygiene and fitness requirements</li> <li>Cite the general duties under the relevant health and safety legislation</li> <li>Tell what personal protective equipment and clothing should be worn and how it iscared for</li> <li>Discuss about the correct and safe way to use materials and equipment required forwork</li> <li>Explain the importance of good housekeeping in the workplace</li> <li>Describe safe disposal methods for waste</li> <li>Summarize the methods for minimizing environmental damage during work</li> </ul>				
5.	Carry out housekeeping in rubber product manufactuing RSC/N5001	<ul> <li>Discuss the importance of learning proper procedures and techniques</li> <li>Explain the implications of not following the organizational requirement for approval for undertaking the specific task</li> <li>Tell the importance of completing the activities as per the schedule</li> <li>Explain the implications of not following the defined procedures/work instructions</li> <li>Discuss the importance of team work</li> <li>Illustrate the health, safety and environment guidelines, legislation and regulationsas applicable</li> </ul>	40	60	70%	70%

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		t Passing Percentag	
			Th.	Pr.	Th.	Pr.
		<ul> <li>Elucidate the actions to be taken in case of non-conformity to behavioral standardsof the organization</li> <li>Explain the impact of poor practices on the individual's and organization's performance</li> <li>Summarize the importance of optimal utilization of resources</li> <li>Describe the importance of providing feedback for improvement</li> <li>Cite the importance of indigenous knowledge for evolving/adopting operation specificpractices</li> <li>Discuss about the rectification/solution of problems/conflicts for the smoothfunctioning of the organization</li> <li>Cite the importance of documentation/reporting as per guidelines and procedures</li> <li>Discuss about the do's and don'ts (company's hr instructions)</li> <li>Cite the importance of subject learning/ training</li> <li>Tel the importance of product and its application</li> <li>Discuss the levels of hygiene required by workplace and why it is important tomaintain them during your work</li> <li>Explain how to inspect a work area to decide what cleaning it needs</li> <li>Identify the methods and materials that used for cleaning variety of surfaces</li> <li>Tell the types of cleansing agents that are not to be mixed together</li> <li>Cite the correct method for cleaning equipment and/or machinery used during yourwork</li> <li>Illuminate the importance of personal protective equipment</li> <li>Discuss about the appropriate personal protective equipment for the work area, cleaning equipment, tools, materials and chemicals used</li> <li>Tell the correct sequence for cleaning the work area</li> </ul>				

S. No	Module/NOS Name, Code, Version	Outcomes	Assess Ma		Passin Perce	-
			Th.	Pr.	Th.	Pr.
		<ul> <li>Estimate the time taken by the treatment to work</li> <li>Explain the importance of following manufacturer's instructions on cleaning agents</li> <li>Discuss about the most appropriate place to carry out test cleans and why thisshould be done before applying treatments</li> <li>Discuss about the importance of applying treatments evenly and the effect of notdoing this</li> <li>Illustrate the process of cleaning the surfaces without causing injury or damage</li> <li>Tell the method to check the treated surface and equipment on completion of cleaning</li> <li>Cite the procedures for reporting any unidentified soiling</li> <li>Explain the procedures for disposing off waste</li> <li>Describe the procedures for disposing off or storing personal protective equipment</li> <li>Discuss about the escalation procedures for soils or stains that could not beremoved</li> </ul>				
6.	Carry out reportingand documentation RSC/N5002	<ul> <li>Explain the importance of learning proper procedures and techniques</li> <li>Discuss about the implications of not following the organizational requirement forapproval for undertaking the specific task</li> <li>Discuss about the importance of completing the activities as per the schedule</li> <li>Describe the implications of not following the defined procedures/work instructions</li> <li>importance of team work</li> <li>Summarize the health, safety and environment guidelines, legislation and regulations as applicable</li> <li>Describe the actions to be taken in case of non-conformity to behavioral standards of the organization</li> <li>Explain the impact of poor practices on the individual's and</li> </ul>	40	60	70%	70%

S. No	Module/NOS Name, Code, Version	Outcomes	Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul> <li>organization'sperformance</li> <li>Explain the importance of optimal utilization of resources</li> <li>Cite the importance of providing feedback for improvement</li> <li>Explain the importance of indigenous knowledge for evolving/adopting operationspecific practices</li> <li>Identify rectification/solution of problems/conflicts for the smooth functioning of theorganization</li> <li>Explain the importance of documentation/reporting as per guidelines and procedures</li> <li>Discuss about the do's and don'ts (company's hr instructions)</li> <li>Cite the importance of attending troubleshooting</li> <li>Explain the importance of subject learning/ training</li> <li>Explain the importance of product and its application</li> <li>Describe different methods of recording information</li> <li>Identify various documents that need to be maintained</li> <li>Explain the procedures for reporting to the appropriate authority</li> <li>Explain the procedures for recording damage, breakages etc.</li> <li>Discuss about reporting incidents where standard operating procedures are notfollowed</li> <li>Elucidate the importance of complete and accurate documentation</li> <li>Tell how to maintain complete documentation accurately and within agreedtimescales</li> <li>Cite the importance of ensuring that the documents are not correct</li> <li>Describe the actions to be taken if the documents are not correct</li> <li>Cite the importance of maintaining the security and confidentiality of</li> </ul>				

S. No	Module/NOS Name, Code, Version		Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.
		<ul> <li>recordedinformation</li> <li>Explain the procedures to maintain confidentiality of information</li> <li>Tell the appropriate method for responding to requests for information</li> <li>Explain the reporting procedures to followed before disclosing information to any outside party</li> </ul>				
7.	Carry out Problem Identification and escalation RSC/N5004	<ul> <li>Explain the importance of learning proper procedures and techniques</li> <li>Discuss about the implications of not following the organizational requirement forapproval for undertaking the specific task</li> <li>Cite the importance of completing the activities as per the schedule</li> <li>Discuss about the implications of not following the defined procedures/workinstructions</li> <li>Explain the importance of team work</li> <li>Summarize the health, safety and environment guidelines, legislation andregulations as applicable</li> <li>Describe the actions to be taken in case of non-conformity to behavioral standards ofthe organization</li> <li>Discuss about the importance of poor practices on the individual's and organization'sperformance</li> <li>Describe the importance of optimal utilization of resources</li> <li>Explain the importance of indigenous knowledge for evolving/adopting operation specificpractices</li> <li>Discuss about the rectification/solution of problems/conflicts for the smoothfunctioning of the organization</li> <li>Cite the importance of documentation/reporting as per guidelines and procedures</li> <li>Tell the do's and don'ts (company's hr instructions)</li> </ul>	45	55	70%	70%

S. No	Module/NOS Name, Code, Version	Outcomes		Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.	
		<ul> <li>Explain the importance of attending trouble shooting</li> <li>Discuss the importance of subject learning/ training</li> <li>Describe the importance of product and its application</li> <li>Identify the indicators of problems</li> <li>Explain the working of the equipment and accessories( if applicable)</li> <li>Describe the impact of operations on the user and equipment( if applicable)</li> <li>Explain the impact of operations on the final product ( if applicable)</li> <li>Describe the effect of not rectifying the problems identified</li> <li>Explain the. the reason for the occurrence of previous problems</li> <li>Describe the measures and steps that have been taken to address the previousproblems</li> <li>Cite the. possible solutions for various problems</li> <li>Explain the correct method for carrying out corrective actions outlined for eachproblem the impact of not carrying out the corrective actions</li> <li>Illustrate the documentation procedure for recording such problems, as per companynorms</li> <li>Illustrate the escalation matrix for reporting problems</li> <li>Discuss about the time frame within which in which each problem needs to be escalated</li> <li>Explain the manner in which each problem needs to be escalated</li> </ul>					
8.	<b>Carry out</b> <b>qualitychecks</b> RSC/N5003	<ul> <li>Explain the importance of learning proper procedures and techniques</li> <li>Cite the implications of not following the organizational requirement for approval forundertaking the specific task</li> <li>Explain the importance of completing the activities as per the schedule</li> <li>Discuss about the implications of not following the defined</li> </ul>	35	65	70%	70%	

S. No	Module/NOS Name, Code, Version	Outcomes		Assessment Marks		Passing Percentage	
			Th.	Pr.	Th.	Pr.	
		<ul> <li>procedures/workinstructions</li> <li>Explain the importance of team work</li> <li>Discuss about the health, safety and environment guidelines, legislation andregulations as applicable</li> <li>Discuss about the actions to be taken in case of non-conformity to behavioralstandards of the organization</li> <li>Describe the impact of poor practices on the individual's and organization'sperformance</li> <li>Explain the importance of optimal utilization of resources</li> <li>Cite the importance of providing feedback for improvement</li> <li>Describe the importance of indigenous knowledge for evolving/adopting operationspecific practices</li> <li>Discuss about the rectification/solution of problems/conflicts for the smoothfunctioning of the organization</li> <li>Explain the importance of documentation/reporting as per guidelines and procedures</li> <li>Discuss about the do's and don'ts (company's hr instructions)</li> <li>Cite the importance of subject learning/ training</li> <li>Explain the importance of subject learning/ training</li> <li>Explain the importance of guilty control procedures</li> <li>Discuss about the relevance and importance of activities and how they contribute tothe achievement of the quality objectives</li> <li>Explain the proper procedure for selecting the material</li> <li>Discuss about the relevance and importance of activities and how they contribute tothe achievement of the quality objectives</li> </ul>					

S. No	Module/NOS Name,	Outcomes	Assess	ment	Passin	g
	Code, Version		Ma	Marks		ntage
			Th.	Pr.	Th.	Pr.
		<ul> <li>Discuss about the characteristics of the product/material</li> <li>Explain the use of suitable equipment</li> <li>Cite the availability and use of monitoring and measuring devices</li> <li>Identify the requirements of records</li> </ul>				
		<ul> <li>Tell the importance of maintaining accurate up-to-date records</li> <li>Explain the need to report within the stipulated time</li> <li>Explain the implications of inaccurate measuring and testing instruments and equipment</li> </ul>				
		<ul> <li>Estimate the cost of non-conformance to quality standards</li> <li>Explain the implications (impact on internal/external customers) of defectiveproducts, materials or components</li> </ul>				
	Total Marking		350	450		

# Glossary

Term	Description
Sector	Sector is a conglomeration of different business operations
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.
National Occupational	NOS are occupational standards which apply uniquely in the Indian context.
Standards (NOS)	

# Acronyms

Acronym	Description
NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training

# Annexure 1: Tools and Equipment

## List of Tools and Equipment

The tools and equipment required are:

Sno	Tool / Equipment Name	Specification (per batch of 30 trainees)
1	Dies	1
2	Die Heater	1
3	Die Holder	1
4	Blower	1
5	Extruder Machine	1
6	Mask	2
7	Safety Shoes	2
8	Tcus	1
9	Gloves	2
10	Cooling Tank	1
11	Skiver	1

### **Classroom Aids**

The aids required to conduct sessions in the classroom are:

- 1 Projector
- 2 Computer/laptops
- 3 Internet connectivity
- 4 Whiteboard

## Annexure 2: Assessment Strategy

This section includes the processes involved in identifying, gathering and interpreting information to evaluate the learner on the required competencies of the program.

### Assessment System Overview:

- Batches assigned to the assessment agencies for conducting the assessment on SDSM/SIP or email
- Assessment agencies send the assessment confirmation to VTP/TC looping SSC
- Assessment agency deploys the ToA certified Assessor for executing the assessment
- SSC monitors the assessment process & records
- If the batch size is more than 30, then there should be 2 Assessors.

### **Testing Environment: Assessor must:**

- Confirm that the centre is available at the same address as mentioned on SDMS or SIP
- Check the duration of the training.
- Check the Assessment Start and End time to be as 10 a.m. and 5 p.m.
- Check that the allotted time to the candidates to complete Theory & Practical Assessment is correct.
- Check the mode of assessment—Online (TAB/Computer) or Offline (OMR/PP).
- Confirm the number of TABs on the ground are correct to execute the Assessment smoothly.
- Check the availability of the Lab Equipment for the particular Job Role.

### Assessment Quality Assurance levels / Framework:

- Question papers created by the Subject Matter Experts (SME)
- Question papers created by the SME should be verified by the other subject Matter Experts along with the approval required from SSC
- Questions are mapped with NOS and PC

#### Apprenticeship Curriculum: NAPS

• Question papers are prepared considering that level 1 to 3 is for the unskilled & semi-skilled individuals, and level 4 and above are for the skilled, supervisor & higher management Apprenticeship Curriculum: NAPS Jr. Machine Operator – CNC Milling of Plastic Page 20 of 14

- Assessor must be ToA certified
- Assessment agency must follow the assessment guidelines to conduct the assessment

### Types of evidence or evidence-gathering protocol:

- Time-stamped & geotagged reporting of the assessor from assessment location
- Centre photographs with signboards and scheme specific branding
- Biometric or manual attendance sheet (stamped by TP) of the trainees during the training period
- Time-stamped & geotagged assessment (Theory + Viva + Practical) photographs & videos.

### Method of verification or validation:

- Surprise visit to the assessment location
- Random audit of the batch
- Random audit of any candidate

### Method for assessment documentation, archiving, and access

- Hard copies of the documents are stored
- Soft copies of the documents & photographs of the assessment are uploaded / accessed from Cloud Storage and are stored in the Hard Drive

### On the Job:

- 1. Assessment for on the job training to be conducted by the industry partner on the practical competency output defined in the NOS/QP and the assessment criteria.
- 2. The candidate must score 70% in each module to complete the OJT.
- 3. Tools of Assessment that can be used are:
  - a. Videos of Trainees during OJT should be shared by employer to RCPSDC.
- 4. Assessment will ensure that the apprentice will be able to:
  - a. Work effectively and efficiently as per schedules and timelines while complying with the health and hygiene norms.
  - b. Implement safety practices.
  - c. Optimize the use of resources to ensure less wastage and maximum conservation.
  - d. Communicate effectively and develop interpersonal skills.