

# Model Curriculum

## Recyclable Waste Collector & Segregator

**SECTOR: GREEN JOBS**  
**SUB-SECTOR: WASTE MANAGEMENT**  
**OCCUPATION: WASTE COLLECTION AND SEGREGATION**  
**REF ID: SGJ/Q6101, V1.0**  
**NSQF LEVEL: 4**



## Certificate

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

is hereby issued by the

**SKILL COUNCIL FOR GREEN JOBS**

for the

**MODEL CURRICULUM**

Complying to National Occupational Standards of  
Job Role/ Qualification Pack: **'Recyclable waste collector & segregator'** QP No. **'SGJ/Q 6101 NSQF Level 4'**

Date of Issuance: **May 25<sup>th</sup>, 2017**

Valid up to: **October 10<sup>th</sup>, 2019**

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

  
Authorised Signatory  
(Skill Council for Green Jobs)

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# Recyclable Waste Collector & Segregator

## CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Recyclable Waste Collector & Segregator”, in the “Green Jobs” Sector/Industry and aims at building the following key competencies amongst the learner

<b>Program Name</b>	<b>Recyclable Waste Collector &amp; Segregator</b>		
<b>Qualification Pack Name &amp; Reference ID. ID</b>	SGJ/Q6101, v1.0		
<b>Version No.</b>	1.0	<b>Version Update Date</b>	10 <sup>th</sup> January 2017
<b>Pre-requisites to Training</b>	5 <sup>th</sup> Pass, Preferably		
<b>Training Outcomes</b>	<b>After completing this programme, participants will be able to:</b> <ul style="list-style-type: none"> <li>• Collect recyclable waste</li> <li>• Segregate recyclable waste</li> <li>• Maintain health and work safety</li> <li>• Entrepreneurship</li> </ul>		

This course encompasses 4 out of 4 National Occupational Standards (NOS) of “Recyclable Waste Collector & Segregator” Qualification Pack issued by “Skill Council for Green Jobs”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<b>Introduction to the Recyclable waste collector and Segregator</b>  <b>Theory Duration</b> (hh:mm) 01:30  <b>Practical Duration</b> (hh:mm) 06:30  <b>Corresponding NOS Code</b> SGJ/N6101	<ul style="list-style-type: none"> <li>Understand the role of Recyclable waste collector and Segregator in searching , collecting and sale of reusable and recyclable refuse to waste aggregators;</li> <li>Understand the advantages of doing this course;</li> <li>Understand basic skills required to perform the task of Recyclable waste collector and Segregator;</li> </ul>	
2	<b>Collection of Recyclable Waste</b>  <b>Theory Duration</b> (hh:mm) 07:30  <b>Practical Duration</b> (hh:mm) 32:30  <b>Corresponding NOS Code</b> SGJ/N6101	<ul style="list-style-type: none"> <li>Identify different categories and types of solid waste including their physical and chemical properties;</li> <li>Understand the way waste generators like residence, communities, shopping malls and small hotels dispose the recyclable waste;</li> <li>Explain the Do’s and Don’ts of waste handling.</li> <li>Identify the signs and symbols used for solid waste management.</li> <li>Identify various methods of collecting and carrying recyclable waste;</li> <li>Identify the precautions in transportation of different types of recyclable waste.</li> <li>Ensure proper transportation of the collected waste to the nearest collection centre.</li> </ul>	Weighing Machine, different types of recyclable waste for demonstration purpose
3	<b>Segregation of Recyclable Waste</b>  <b>Theory Duration</b> (hh:mm) 07.30  <b>Practical Duration</b> (hh:mm) 32.30  <b>Corresponding NOS Code</b> SGJ/N6102	<ul style="list-style-type: none"> <li>Understand what is segregation;</li> <li>Identify different types of reusable and recyclable waste</li> <li>Identify the signs and symbols used for waste Disposal.</li> <li>Understand grouping of recyclable waste.</li> <li>Describe segregation methods at collection centre for different types of recyclable waste;</li> <li>Understand colour coding and marking of dustbins;</li> </ul>	
4	<b>Maintain Personal Health &amp; Safety</b>  <b>Theory Duration</b> (hh:mm) 04:30	<ul style="list-style-type: none"> <li>Understand the requirement of personal cleanliness and Hygiene</li> <li>Identify proper personal Health and safety tools including gloves and masks.</li> </ul>	Gloves (non-prickable), sanitizer mask, first aid materials

Sr. No.	Module	Key Learning Outcomes	Equipment Required
	<b>Practical Duration</b> (hh:mm) 19:30  <b>Corresponding NOS Code</b> SGJ/N6103	<ul style="list-style-type: none"> <li>• Demonstrate proper use of gloves and Masks</li> <li>• Demonstrate steps to be followed to maintain personal cleanliness while working.</li> </ul>	
5	<b>Entrepreneurship in Recyclable Waste Collection &amp; Segregation</b>  <b>Theory Duration</b> (hh:mm) 04:30 <b>Practical Duration</b> (hh:mm) 19:30  <b>Corresponding NOS Code</b> SGJ/N6104	<ul style="list-style-type: none"> <li>• Understand the recyclable waste collection &amp; segregation business;</li> <li>• Identify the prices of various recyclable waste;</li> <li>• Identify appropriate aggregators as per market scenario;</li> <li>• Understand &amp; calculate trade margin;</li> <li>• Client communication and retention for waste;</li> </ul>	
6	<b>Communication &amp; Soft Skills</b>  <b>Theory Duration</b> (hh:mm) 04:30 <b>Practical Duration</b> (hh:mm) 19:30  <b>Corresponding NOS Code</b> SGJ/N6101, SGJ/N6102, SGJ/N6104	<ul style="list-style-type: none"> <li>• Oral/spoken communication skill &amp; testing – voice and accent, voice clarity</li> <li>• Development Etiquette and manners</li> <li>• Study of different pictorial expression of non-verbal communication and its analysis</li> <li>• Barriers to Communication- Int. &amp; Ext Barriers like Intrinsic Motivation, Perception, Language, Fear Power of speech etc.</li> <li>• Importance of Listening, Good and bad listening</li> <li>• Non-Verbal Communication – its importance and Nuances like Facial Expression, Posture, Gesture, eye contact, Appearance (Dress Code), etc.</li> </ul>	
	<b>Total Duration</b>  <b>Theory Duration</b> <b>30.00</b>  <b>Practical Duration</b> <b>130.00</b>	<b>Unique Equipment Required:</b> Weighing Machine, different types of recyclable waste for demonstration purpose, Gloves (non-prickable), mask, sanitizer, first aid materials .	

Grand Total Course Duration: **160Hours, 0 Minutes**

*(This syllabus/ curriculum has been approved by [Skill Council for Green Jobs](#))*

## Trainer Prerequisites for Job role: “Recyclable Waste Collector & Segregator” mapped to Qualification Pack: “SGJ/Q6101, v1.0”

Sr. No.	Area	Details
1	<b>Description</b>	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack “ <u>SGJ/Q6101, Version 1.0</u> ”.
2	<b>Personal Attributes</b>	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	<b>Minimum Educational Qualifications</b>	10th Pass Preferable.
4a	<b>Domain Certification</b>	Certified for Job Role: “Recyclable Waste Collector & Segregator” mapped to QP: “SGJ/Q6101, Version 1.0”. Minimum accepted score as per SCGJ is 80%.
4b	<b>Platform Certification</b>	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted score as per SCGJ is 80%.
5	<b>Experience</b>	Minimum 2 years of relevant industry experience

## Annexure: Assessment Criteria

Assessment Criteria for Recyclable Waste Collector & Segregator	
<b>Job Role</b>	<b>Recyclable Waste Collector &amp; Segregator</b>
<b>Qualification Pack</b>	<b>SGJ/Q6101, Version 1.0</b>
<b>Sector Skill Council</b>	<b>Green Jobs</b>

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 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 centre(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 80% in the overall assessment
6	The marks are allocated PC wise; however, every NOS will carry a weight age in the total marks allocated to the specific QP

NOS	Performance Criteria	Total Mark	Out Of	Mark Allocation	
				Theory	Skill Practical
SGJ/N6101: Collection of Recyclable Waste	PC1. Ensure the right method for disposal of waste by waste generator.	<b>30</b>	12	5	7
	PC2. Ensure collection & carrying of waste properly.		12	3	9
	PC3. Ensure proper transportation of the collected waste to the nearest collection centre.		6	2	4
	<b>NOS Total Marks</b>	<b>TOTAL</b>	<b>30</b>	<b>10</b>	<b>20</b>
SGJ/N6102: Installation and Demonstration of the Improved Cookstove	PC1. Visually inspect and identify different types of Recyclable Waste.	<b>30</b>	5	4	2
	PC2. Carry-out proper segregation of Recyclable Waste at source/collection center.		12	4	8
	PC3. Perform segregation of recyclable and non-recyclable waste		12	4	8
	<b>NOS Total Marks</b>	<b>TOTAL</b>	<b>30</b>	<b>12</b>	<b>18</b>
SGJ/N6103:	PC1. Demonstrate the use of personal protective equipment's required at work place.		15	5	10
	PC2. Ensure Personal Hygiene.		10	3	7

Maintain Personal Health & Safety	PC3. Demonstrate safety operating procedures for collection, segregation and transportation of recyclable waste.	<b>40</b>	15	5	10
<b>NOS Total Marks</b>		<b>TOTAL</b>	<b>40</b>	<b>13</b>	<b>27</b>
SGJ/N6104: Entrepreneurship	PC1. Ascertain various prices of different kind of recyclable materials.	<b>50</b>	20	5	15
	PC2. Choose appropriate aggregators in a given situation of market parameters.		15	5	10
	PC3. Calculate the trade margin.		15	5	10
<b>NOS Total Marks</b>		<b>TOTAL</b>	<b>50</b>	<b>15</b>	<b>35</b>
<b>QP Total Marks</b>		<b>TOTAL</b>	<b>150</b>		