

Model Curriculum

Portable Improved Cookstove Assembler

SECTOR: GREEN JOBS
SUB-SECTOR: RENEWABLE ENERGY
OCCUPATION: ASSEMBLY
REF ID: SGJ/Q2102, V1.0
NSQF LEVEL: 3



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: **'Portable Improved Cookstove Assembler'** QP No. **'SGJ/Q 2102 NSQF Level 3'**

Date of Issuance: **September 8th, 2017**

Valid up to: **May 5th, 2019**

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



Authorised Signatory
(Skill Council for Green Jobs)

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Portable Improved Cookstove Assembler

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Portable Improved Cookstove Assembler”, in the “Green Jobs” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Portable Improved Cookstove Assembler		
Qualification Pack Name & Reference ID.	SGJ/Q2102, v1.0		
Version No.	1.0	Version Update Date	25 th August 2017
Pre-requisites to Training	10 th Pass		
Training Outcomes	After completing this programme, participants will be able to: <ul style="list-style-type: none"> • Collect different parts of portable improved cookstove • Assemble and fit components of portable improved cookstove • Measure and check components • Maintain work safety while assembling and fitting of Components 		

This course encompasses 3 out of 3 National Occupational Standards (NOS) of “Portable Improved Cookstove Assembler” Qualification Pack issued by “Skill Council for Green Jobs”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	Introduction to Clean cookstove assembling Theory Duration (hh:mm) 07:00 Practical Duration (hh:mm) 05:00 Corresponding NOS Code Bridge Module	<ul style="list-style-type: none"> Introduce basic concept of improved cookstove Compare improved cookstove and traditional cookstove; Illustrate advantages & Health Benefits of portable improved cookstove; Identify standards available for portable improved cookstove in India Identify materials and components i.e. ceramic liner; steel cladding; combustion chamber; grate, handle; air Inlet and ash collector Explain usable metals and its properties used for assembling portable improved cookstove; Illustrate standards, company make and technical details of components used Identify potential area for sale of portable improved cookstove List out career progression of Portable improved cookstove 	Flip chart, markers, audio-video support to demonstrate various activities for installation of improved cookstove, thermometers, rubber stoppers with holes for thermometers, fuel (dry), matches, water, metric liquid measuring unit, clock, weighing machine, shovel, trowel, grate, mould, measuring tape, hammer, tasla/shallow pan, brush, bucket & mug, ceramic clay, method to fire clay, stoves, pots, extra tin, tin snips, spoon, safety tool kits (including gloves, mask, eye gear, boots etc.), long pincher and utility tongs, Activity chart, Flip chart, markers, types of Portable Improved cookstoves i.e. Natural Draft, Forced Draft, Traditional Cookstove, steel Cladding; combustion Chamber; grate and types of Handle

Sr. No.	Module	Key Learning Outcomes	Equipment Required
2	Collection of different parts of Portable Improved Cookstove Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 24:00 Corresponding NOS Code SGJ/N2105	<ul style="list-style-type: none"> Prepare the site for assembling and storage of components Level the assembly area Illuminate assembly area Check tools which are to be used Identify the components required for assembling Place components of improved cookstove in order to assemble 	Thermometers, rubber stoppers with holes for thermometers, fuel (dry), matches, water, metric liquid measuring unit, clock, weighing machine
3	Assembling and fitting of components of Portable Improved Cookstove Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 38:00 Corresponding NOS Code SGJ/Q2106	<ul style="list-style-type: none"> Describe various fitting activities like drill size, tightening with torque wrenches Describe positioning of components of cookstove Place and fix outer parts of cookstove Attach the heat guard to the side stand Fix the plate with company make, batch number and the technical detail Place and fix inner parts of cookstove Arrange and fix the ceramic stone/combustion Cast iron grate in the inner plate Fix the knob on the outer chamber gate chamber Arrange the inner and outer body Fit the inner body inside the outer body Clean and fix body parts of cookstove Checking dimensional accuracy for positioning the components. Place and store assembled cookstove safely 	Screw Driver, wrench, hammer, bolt and screw, Plier, steel rules, carpenter square
4	Work Safety while Assembling and Fitting of Components Theory Duration (hh:mm) 08:00 Practical Duration (hh:mm) 12:00 Corresponding NOS Code SGJ/N2107	<ul style="list-style-type: none"> Identify precautions to be observed while collection of raw materials Identify safety standards to handle tools for collection and installation of cookstove Administer first aid Demonstrate the standard safety operation Maintain proper hygiene at workplace Identify Personal Protective equipment(PPE) used for the specific purpose Identify the hazards associated with material handling Identify work safety procedures 	Safety tool kits (including gloves, mask, eye gear, boots etc.), long pincher and utility tongs

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> Identify work safety procedures and instructions while assembling of improved cookstove Demonstrate safe removal of ash from the fuel opening. Properly fit and avoid any loose fittings Demonstrate fire safety drills Treat fire burn 	
5	Communication & Soft Skills Theory Duration (hh:mm) 02:00 Practical Duration (hh:mm) 06:00 Corresponding NOS Code Bridge Module	<ul style="list-style-type: none"> Identify ways to assist colleagues positively to maximize effectiveness and efficiency in carrying out tasks Demonstrate appropriate communication etiquette and dressing at work place Demonstrate time management for raw material procurement and product delivery Demonstrate responsible and disciplined behaviours at the workplace Identify ways to put up grievances and problems to appropriate authority Demonstrate collaboration and group participation to achieve common goals Describe methods to support continuous improvement on environment and work culture within the organization Acquire basic skills of communication; Acquire basic reading capabilities to enable reading of manual health and safety instructions; 	Flip chart, markers, Activity chart
	Total Duration 120 Hours Theory Duration 35 Hours Practical Duration 85 Hours	Unique Equipment Required: Flip chart, markers, audio-video support to demonstrate various activities for installation of improved cookstove, thermometers, rubber stoppers with holes for thermometers, fuel (dry), matches, water, metric liquid measuring unit, clock, weighing machine, shovel, trowel, grate, mould, measuring tape, hammer, tasla/shallow pan, brush, bucket & mug, ceramic clay, method to fire clay, stoves, pots, extra tin, tin snips, spoon, safety tool kits (including gloves, mask, eye gear, boots etc.), long pincher and utility tongs, Activity chart, Flip chart, markers, types of Portable Improved cookstoves i.e. Natural Draft, Forced Draft, Traditional Cookstove, steel Cladding; combustion Chamber; grate and types of Handle	

Grand Total Course Duration: 120 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by Skill Council for Green Jobs)

Trainer Prerequisites for Job role: “Portable Improved Cookstove Assembler” mapped to Qualification Pack: “SGJ/Q2102, 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 “SGJ/Q2102, Version 1.0”.
2	Personal Attributes	This job requires the individual to concentrate on the job at hand complete it without any accident and on time. He / She show strong work ethics, an ability to communicate with co-workers. He / She must possess lots of energy and shows willingness to work under time pressure
3	Minimum Educational Qualifications	10 th pass
4a	Domain Certification	Certified for Job Role: “Portable Improved Cookstove Assembler” mapped to QP: “SGJ/Q2102, Version 1.0”. Minimum accepted score as per SCGJ is 70%.
4b	Platform Certification	Recommended that the Trainer is certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q2601” or equivalent. Minimum accepted score as per SCGJ is 80%.
5	Experience	Minimum 2 years of relevant industry experience

CRITERIA FOR ASSESSMENT OF TRAINEES

Please refer to the QP-NOS for the Assessment Criteria.