

Objectives of Skill Council for Green Jobs (SCGJ)

The SCGJ has the mandate to carry out the Skill Development courses in the following subsectors:

S.no	Name of Sub-Sectors	S.no	Name of Sub Sector
1	Solar PV	8	Clean Cook Stoves
2	Solar Thermal	9	Green Construction <ul style="list-style-type: none"> a. Green Buildings b. Green Campus
3	Wind	10	Green Transportation <ul style="list-style-type: none"> a. Electric Vehicles b. Bio fuels Vehicles c. Bio-CNG Vehicles
4	Small Hydro	11	Carbon Sinks <ul style="list-style-type: none"> a. Afforestation b. Sustainable Forestry Management
5	Biomass Power / Cogen / CHP	12	Water Management <ul style="list-style-type: none"> a. Treatment b. Conservation
6	Energy Storage	13	Waste Management
7	Biofuels, Biogas, Pellets/Briquettes	14	E- Waste Management

Mandate of SCGJ:

1. Collate labour market information with respect to number of people getting direct and indirect employment in various areas of the industry.
2. Research and aggregate skill requirements of the Industry including sub-sector requirements, regional requirements and international trends and best practices that can be introduced in the domestic skill development space.
3. Create skill database of the current and future skill requirements, both in terms of numbers as well as types of skills and investigating the underlying reasons for skill gaps.
4. Identify changing technologies in the sector and collate technology specific skills which may be required in future. Besides technical skills, list out soft skill requirement in terms of content, the depth of coverage required and practical training requirement etc. and lead the drive to

boost skill development to improve productivity, growth & employment. Regulate the skill development activities in the Industry including development of National Occupational Standards and qualifications. It will collaborate with the industry to map typical job profiles, develop the occupational and competency standards for each of the job profiles / roles in the industry, and the career path for all role holders.

5. Build Capacity for training delivery: Directly influence the planning of education & training across India, working within the distinctive arrangements in each nation. Help in developing training curriculum and assessment criteria, identify institutes who would partner for training and train the trainers.
6. Provide quality assurance via accreditation & certification of training delivery bodies and awarding certification to trainees. Accreditation will include approving the course content, infrastructure requirements, certification of faculty etc. Certification criteria will be developed in conjunction with the Government bodies/Agencies.
7. Develop Centre of Excellence (COE) to serve as Technology Demonstrator for Training, skill development and as benchmark for other training institutes to be set-up thereafter. Several Training centres with latest simulation equipment will need to be established to provide practical training of different types suiting to the organizational/trainee's needs. COEs would focus on Training, Awareness, Accreditation and other advisory services

Affiliation – Reference to Context

The term Affiliation is used to define a process of establishing competence of any institution desiring of delivering vocational training from NVEQF/NVQF/NSQF level 1 to 10 which is based on National Occupational Standards (NOS) created by a Skill Council (SSC) constituted by NSDC. For NOS please refer to Annexure I of this document.

Any Education Body/ Vocational Training provider (VTP) can seek affiliation from a Skill Council in delivering the requisite elements of a NOS based vocational training. The affiliation process conducted by a Skill Council will carry out evaluation of competence and availability of the desired infrastructure/ capability of creating the desired infrastructure matching the needs/ requirements of delivering NOS based training.

The alignment of a Skill Council and a VTP/ Education Body through the process of Affiliation will focus on learning and development of the learners so that they are easily employable in the sector. The process is also expected to encourage VTP/Education Body to pursue continual excellence so that they are always in tune with the requirements of the sector. Thus the purpose of Affiliation is to maintain high standards of quality in delivering NOS based vocational training.

Institutions Eligible to Affiliate to SCGJ

- Training Organizations/Institutions set up by NSDC funding.
- Training Institutions set up/affiliated by Government
 - ITIs/ITCs affiliated to NCVT
 - Institutions approved by Councils under Central Government like AICTE
 - College/Institutes affiliated to a University set by Central or State/UT Government or recognized by UGC
 - Schools/Institutes approved by Central or State Boards of Secondary Education (or equivalent) or Boards of Technical Education.
 - Any other institute set up by Central or State/UT government
- Private Training Institutions independently operating in Vocational Space.
- Training institutions set up by private companies to meet the skilled manpower requirement for in-house needs or for the sector.

Company/Firm/Society/Trust - Any of the above fulfilling any of the following criteria:

- An organization providing training under Apprentices Act, 1961 for last three years from the date of submission of the application.
- An organization registered in India, conducting business in the domain of skill development & training, having Permanent Income Tax Account Number (PAN) and Service Tax Registration Number and audited accounts of statements at least for last one year.

Some of the salient objectives of affiliation include:

- To assess VTP institutions/ Education bodies and their programs that meet defined quality standards set up the SSC in delivering NOS based training.
- To foster excellence in VTP institutions building effectiveness in delivering NOS or competency based training.
- To establish a framework for continuous improvement and provide an opportunity to benchmark with other institutions in India and abroad.
- To facilitate developing the professional competency of the learners in tune with the requirements of the sector

SSCs by way of Affiliation will give access to the affiliating partners to a variety of benefits, such as:

- Alignment of training to NVEQF/NVQF/NSQF leading to equivalence with educational degrees, diplomas and certifications.
- Ratification of NOS based curriculum
- Access to Master Trainers of the SSC and certification of the trainers of the affiliating training provider.
- Facilitate On the Job Training (OJT) and / or Placements of the affiliating partner trainees
- Assessment of trainees on NOS based curriculum
- Industry recognized certification of the successful trainees.
- Participation in Government led programs at institutional and state level, aligned to NVEQF/ NVQF/ NSQF.
- Access to the reports on the Sectoral Researches conducted by the SSC.
- Participation in the various Sector Specific Seminars.
- Access to International bodies available in similar space

Guidelines

For training institutes seeking affiliation with SCGJ

- 1. Applying Job role:** Each training institute has to specify clearly the name of the skill centre(s) along with the job roles for which they are applying for each centre. For this, they have to refer to the list of job roles available with SCGJ enclosed as **Annexure-1**.

ANNEXURE:1

List of Job roles available at Skill Council for Green Jobs

1. SGJ/Q0101 : Solar PV Installer (Suryamitra)
2. SGJ/Q0102: Solar PV Installer - Electrical
3. SGJ/Q0103: Solar PV Installer - Civil
4. SGJ/Q0104: Solar Photovoltaic Rooftop Entrepreneur
5. SGJ/Q0105: Solar Proposal Evaluation Specialist
6. SGJ/Q0106: Rooftop Solar Grid Engineer
7. SGJ/Q2101: Improved Cook- Stove Installer Qualification Pack
8. SGJ/Q6101: Recyclable Waste Collector and Segregator.
9. SGJ/Q6102: Safai Karamchari
10. SGJ/Q6601: Wastewater treatment plant technician
11. SGJ/Q6602: Wastewater treatment plant helper

Note: Additions will be made without prior notice.

- 2. Physical Inspection:** Training institute applying for affiliation for skill centre(s), Physical inspection per job role will be done by SCGJ for all the skill centres. If during the physical inspection, the inspected skill centre is found to be complying with the SCGJ requirements, affiliation process shall be proceeded further, else in a case of non-compliance, affiliation shall not be granted to that specific centre. However, on request of Training partner for affiliation of the centre found non-compliant, a window of one month can be given to bring up to the standards as laid down by the SCGJ before the re inspection is done on repayment of site inspection fee.

3. Faculty & Infrastructure: Each training institute must have the infrastructure and at least one trainer/job role/batch/skill centre as per the qualification standards laid down by SCGJ enclosed as:

Annexure-2

QP Name, Code	Brief Description of the Desired Trainer Profile	Minimum Educational Qualification of the Trainer	Minimum Experience (In Years) required for the Trainer	Minimum Infra-structure Reqmt (Lab)	Minimum Classroom size (in Square Feet for batch of 30 students)	Minimum Batch Size
Solar PV Installer (Suryamitra) SGJ/Q0101	1. Minimum 3 years of relevant industry experience for ITI /Diploma (Electrical, Electronics, Civil, Mechanical, Fitter, Instrumentation) Or 2. Minimum 2 years of relevant industry experience for B.Tech (Civil/Mechanical /Electrical/ Instrumentation / Electronics / Electrical and Electronics Eng.) Or 3. M.Sc. Physics	ITI (Electrician, Wireman, Fitter, Electronics) / Diploma (Electrical, Electronics, Civil, Mechanical) / B.Tech (Civil/Mechanical /Electrical/ Instrumentation / Electronics / Electrical and Electronics) / M.Sc. Physics	ITI (3 years) / Diploma (3 years) / B.Tech (2 years) / M.Sc. / M.Tech	300 sqft.	300 sqft.	20
Solar PV Installer – Electrical SGJ/Q0102	1. Minimum 3 years of relevant industry experience for ITI /Diploma (Electrical, Electronics) Or 2. Minimum 2 years of relevant industry	ITI /Diploma (Electrical, Electronics) or B.Tech (Civil / Electrical / Electronics / Electrical and Electronics	3 years (for ITI/Diploma) ; or 2 years (for B.Tech); or No experience required for MSc Physics	300 sqft.	300 sqft.	20

	experience for B.Tech (Civil/Electrical/ Electronics / Electrical and Electronics Eng.) Or 3. M.Sc. Physics	Eng.) or MSc Physics				
Solar PV Installer – Civil SGJ/Q0103	1. Minimum 3 years of relevant industry experience for ITI /Diploma (Civil, Mechanical, Fitter, Instrumentation, welder, mason, Electrical, Electronics) Or 2. Minimum 2 years of relevant industry experience for B.Tech (Civil/Mechanical /Electrical/ Instrumentation / Electronics / Electrical and Electronics Eng.) Or 3. M.Sc. Physics	ITI (Fitter, Welder, Mason, Electrician, Electronics) / Diploma (Civil, Mechanical, Electrical, Electronics) / B.Tech (Civil/Mechanical /Electrical/ Instrumentation / Electronics / Electrical and Electronics) / M.Sc. Physics	3 years (for ITI/Diploma) ; or 2 years (for B.Tech); or No experience required for MSc Physics	300 sqft.	300 sqft.	20
Rooftop Solar Photovoltaic Entrepreneur SGJ/Q0104	Minimum 5 years of relevant industry experience for B.E./B.Tech / MSc Physics graduates Or Minimum 3 years of relevant industry experience for (B.Tech. + M.Tech.) or (B.Tech + MBA) graduates	B.E, B.Tech	3 years	300 sqft.	300 sqft.	20

Solar Proposal Evaluation Specialist SGJ/Q0105	Minimum 2 projects or 20 MW of consulting or project finance experience on ground mount solar PV power plants Or Minimum 10 projects or 1000 kWp of consulting or project finance experience on Rooftop solar PV power plants	B.E. / B.Tech. / BBA / B.Com. / B.Sc. / C.A.	N.A	N.A	300 sqft.	20
Rooftop Solar Grid Engineer SGJ/Q0106	Minimum 3 years of relevant industry experience for M.Tech. graduates Or Minimum 5 years of relevant industry experience for B.E./B.Tech graduates Or Minimum 6 years of relevant industry experience for Diploma graduates	Diploma (Electrical, EEE) Or B.Tech/B.E. (Civil, Electrical, Mechanical, Energy) or M.Tech. (Electrical, EEE, Renewable Energy)	3 Years	300 sqft.	300 sqft.	20

Improved Cook stove Installer SGJ/Q2101	To deliver accredited training service, mapping to the curriculum detailed above, in accordance with the Qualification Pack "SGJ/Q2101, Version 1.0".	High School/Intermediate with 2 experience in civil/mason work	Minimum 2 years of relevant industry experience	300 sqft.	300 sqft.	20
Recyclable Waste Collector & Segregator SGJ/Q6101	10th Pass Preferable.	Nil	Minimum 2 years of relevant industry experience	NIL	300 sqft.	20
Wastewater Treatment Plant Technician SGJ/Q6601	Minimum 3 years of relevant industry experience for ITI /Diploma Or Minimum 2 years of relevant industry experience for B.Tech	ITI/Diploma or B.Tech.	3 years (ITI / Diploma) OR 2 years (B. Tech.)	Nil	300 sqft.	20
Wastewater Treatment Plant Helper SGJ/Q6602	Minimum 3 years of relevant industry experience for ITI /Diploma Or Minimum 2 years of relevant industry experience for B.Tech	ITI/Diploma or B.Tech.	3 years (ITI / Diploma) OR 2 years (B. Tech.)	Nil	300 sqft.	20

4. Infrastructure facility:

For Trainings in the SCGJ's Sub- Sector: For affiliation, each training institute has to comply with infrastructure facility standards laid down by SCGJ enclosed as **Annexure-3**.

Annexure-3

Standards for infrastructure facility which needs to be complied			
S. No.	Category	Minimum Requirements	Remarks
A.	Infrastructure Requirements Per Skill Centre		
A1.	Class Room		
i)	No. of Class Rooms	Min 1 class room	(Mandatory) Per Job Role
ii)	Class Room Size	A Minimum Seating capacity of 30 Trainees.	Per class room
A2.	Skill Lab (Lab setup)		
i)	No. of Skill Labs	Check Annexure – 3a	
ii)	Lab Equipment Size		
iii)	Tool kit & Equipment		
A3.	Library		
i)	No. of technical Books	30 technical books	Per Job Role
ii)	No. of Non-technical Books	Preferable	
iii)	No. of journals	Preferable	
iv)	No. of Dailies	Preferable	
A4.	Water & Sanitation Facility		
i)	Water Supply	Legal water supply	(Mandatory)
ii)	Drinking Water Facility	1 Water Cooler with water purifier (Preferable)	
iii)	Separate Toilets for Boys & Girls	Separate Arrangement (Preferable)	
A5.	Fire Safety		
i)	Fire Extinguisher	1 +1	
A6.	Common room/Pantry	Preferably 1	
A7.	Ventilation		
i)	Lighting and Ventilation	Well-ventilated	
ii)	Air conditioning	Preferable	
A8.	Electricity Supply Structure	Legal electricity supply	
A9.	Power Back up	Standby Arrangement	
A10.	Bus/Transport Facility		

i)	Connectivity to Public Transport	Preferable	
ii)	Own Transport Facility	Preferable	
B. Documents Per Skill Centre			
B1.	Legally constructed	Building Plan	
B2.	Permission	To be used as educational institution	
B3.	If Rented	Rent/Lease Deed	
B4.	If Owned	Registration Papers for land and building showing legal possession of society/trust	
B5.	If on contractual basis	MOU with concerned organization	
C. General Training Aids Per Skill Centre			
C1.	Black-board/ White-board/ Smart Board	Preferable	Per class room & Skill lab
C2.	Chalk/Marker	Preferable	
C3.	Duster	Preferable	
C4.	Computer/Laptop facility	Preferable	Per Skill Centre
C5.	Projector facility	Preferable	
C7.	Charts/Posters	Preferable	Per class room & Skill lab
C9.	Printer/ Photocopy/ Scanner Facility	Preferable	Per Skill Centre
C10.	Glossary for Renewables	Preferable	
D1. Training Experience (IF Yes in Renewable Energy Sector)			
A1.	Min No of Training Programs Organised	5	
A2.	Min No. of Participants Trained	100	
D1. Training Experience (IF NO in Renewable Energy Sector)			
A1.	No of Training Programs Organised	10	
A2.	No. of Participants Trained	200	

Annexure 3 a

i)	No. of Skill Labs	Min 1 Lab	(Mandatory) Per Centre
ii)	Lab Equipment Size	Min 1 KWp Solar Power plant + Tool Kit	(Mandatory) Per Centre
iii)	Tool kit & Equipment	List of Tool Kit as per the List Below	(Mandatory)

5. Equipment: Each training institute has to deploy the essential equipment at each skill centre for the applied job role. The list needs to be specified by the Training partner and SCGJ shall ratify the same. Kindly fill in the details in **Annexure-4**.

Annexure 4: Mandatory Equipment Checklist specific to the Job

Role

1. SGJ/Q0101 Solar PV Installer (Suryamitra),
2. SGJ/Q0102 Solar PV Installer –Electrical,
3. SGJ/Q0103 Solar PV Installer - Civil,
4. SGJ/Q0104 Rooftop Solar Photovoltaic Entrepreneur
5. SGJ/Q0106 Rooftop Solar Grid Engineer

Availability of the following equipment is mandatory at the training center for training delivery on QPs corresponding to the above QP Code(s):

Sl. No.	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Dimension/Specification/Description of the Equipment/ ANY OTHER REMARK
1	Solar Photovoltaic Power Plant	1	kilowatt	1 kW
2	Solar Photovoltaic Inverter	1	kilowatt	1 kW

3	Battery	2	Ampere-hours	75 Ah
4	Clampmeter	1	pieces	NA
5	Multimeter	1	pieces	NA
6	Earth Tester/ Megger	1	pieces	NA
7	Spirit Level / Water Level	1	pieces	NA
8	Pyranometer	1	pieces	NA
9	Drill Machine	1	pieces	NA
10	Spanner - Double ended Flat Spanner	1	pieces	NA
11	Spanner - Double ended Ring Spanner	1	pieces	NA
12	Pliers - Combination Pliers	1	pieces	NA
13	Pliers - Side Cutting Pliers	1	pieces	NA
14	Screwdriver	1	pieces	NA
15	Torque Wrench	1	pieces	NA
16	Wire Stripper / Hand crimping tools	1	pieces	NA
17	Measuring Tape	1	pieces	NA
18	Line Dori	1	pieces	NA
19	Vernier Calliper	1	pieces	NA
20	Plumb bob	1	pieces	NA
21	Water Testing instrument (TDS Meter)	1	pieces	NA
22	Safety Helmet	5	pieces	NA

23	Safety Hand-gloves	5	pieces	NA
24	Safety Goggles	5	pieces	NA
25	Safety Harness	5	pieces	NA
26	Reflective Jacket	5	pieces	NA

Availability of the following equipment at training center is preferable, but not mandatory:

Sl. No.	Equipment Name	Minimum number of Equipment required (per batch of 30 trainees)	Unit Type	Dimension/Specification/Description of the Equipment/ ANY OTHER REMARK
1	Pliers - Nose Pliers	1	pieces	NA
2	Electrician's Knife	1	pieces	NA
3	Hack saw frame with blade / Hand saw	1	pieces	NA
4	Standard Wire Gauge	1	pieces	NA
5	Chisel	1	pieces	NA
6	Flat / Round / Triange file	1	pieces	NA
7	Ball Pin Hammer	1	pieces	NA
8	Fuse puller	1	pieces	NA
9	Soldering Iron	1	pieces	NA
10	Phase Sequence Meter	1	pieces	NA
11	Nose Mask	5	pieces	NA
12	Ear Plugs	5	pieces	NA

(c) Job Role Equipment Checklist

SGJ/Q2101 Improved Cook stove Installer

Sl. No.	Equipment Name	Remarks
1	Weighing Balance, Measuring Cylinder/flask, CO Measuring Device, shovel, trowel, grate, mold, vessel, safety tool kit, measuring tape, spirit level, sieve, finishing trowel, hammer, tasla/shallow pan, brush, bucket & mug, long pincer & utility tongs, thermometer with rubber stopper/temperature sensor.	Consumables must be available for each trainee

(d) Job Role Equipment Checklist

SGJ/Q6101: Recyclable Waste Collector & Segregator

Sl. No.	Equipment Name	Remarks
1	Weighing Machine Balancing, garbage, packing storage, bag, plastic seals, Different screw drivers, pilers, allenkeys, cone patti and cane patti tool, plastic bottle neck cutting machine, coloured bins and packets, Gloves (non-prickable), industrial mask, safety tools, sanitizer, first aid box, ear plugs,	Consumables must be available for each trainee

SGJ/Q6102: Safai Karamchari

Sl. No.	Equipment Name	Remarks
1	Different size brooms, bucket, clothes, long, wooden stick, different types of waste/garbage prototype, colour bins & packets, ropes, gloves, small wooden stick, safety shoe, mask, hand sanitizer/soap, garbage bags, reflective jacket	Consumables must be available for each trainee

(e) Job Role Equipment Checklist

SGJ/Q6601 and SGJ/Q6602

Sl. No.	Equipment Name	Remarks
1	No Lab Requirement. Practical training to be carried out at Wastewater Treatment Plant site	Letter or MoU from a Wastewater Treatment Plant Facility is required

**This Annexure, along with sub-sections (a) to (e), is subject to revision and may be modified by Skill Council for Green Jobs at its discretion, in case of which the same would be suitably updated and communicated to the First Party.*

GENERAL INSTRUCTIONS

1. A print-out of this application form along with hard copies of the relevant documents has to be sent to SCGJ by the VTP.
2. Each and every page should be stamped and signed (Authorised Signature) by the applicant VTP.
3. A declaration/board resolution should be furnished by the VTP endorsing the authorised signatory.
4. In addition to hardcopy, please submit the scan copy of the application form and the requisite supporting enclosures (please scan the application documents after stamping and signing).
5. Any training batch may be subject to random audit for compliance.
6. All SCGJ affiliated VTPs shall be eligible to participate for any Gov. / Non- Gov. Schemes (for example, PMKVY) subject to compliance.

Fee Structure

Fee Structure for Affiliation Process			
Before the Physical Inspection			
Sno.	Category	Fee (INR)	Frequency
1	Application Processing Fee	INR 5,000	One Time
2	Physical Inspection Fee	INR 10,000	Per Center
After the Physical Inspection & at the time of Affiliation			
1	Affiliation Fee to SCGJ	INR 5,000	Per Center
2	QP Adoption Fee for Training	N.A	
3	QP/NOS Curriculum Compliance (To be Vetted by SCGJ)	N.A	
4	Training & Certification of Trainer	N.A	
5	Assessment and Certification of Trainee	INR 8,00	

Note:

- 1) All fees are non-refundable and non-transferable.
- 2) All fees has to be made strictly from TP official bank account as intimated in the affiliation document.
- 3) Please remit Affiliation Fees via NEFT / RTGS details as under and send confirmation mail of the payment to assessment.greenjobs@gmail.com
- 4) For Suryamitra Program (MNRE), Market Mode (Student Paid) Affiliations and State Skill Development Missions – No affiliation fee shall be charged from the T.P. However duly filled form along with relevant documents, and pictorial evidences of Class room and Lab facilities shall be required to be submitted along with the file.

5) The Bank Account details of Skill Council for Green Jobs are as under:

Bank Details of Skill Council for Green Jobs	
Account title	SKILL COUNCIL FOR GREEN JOBS / (SCGJ)
Account no	50200015188407
Account type	Current Account
IFSC code	HDFC0004711
Branch address	HDFC bank Ltd, 4/48 Malcha Marg, Shopping Complex, Chanakyapuri, New Delhi- 110021