SKILL COUNCIL for GREEN JOBS
Promoted by Ministry of New and Renewable Energy (MNRE) and Confederation of Indian Industry (CII)

An Overview of Skilling
"Today, the world and India need a skilled workforce. If we have to promote the development of our country then our mission has to be ‘skill development’ and ‘Skilled India’. Millions and millions of Indian youth should acquire the skills which could contribute towards making India a modern country. I also want to create a pool of young people who are able to create jobs and the ones who are not capable of creating jobs and do not have the opportunities, they must be in a position to face their counterparts in any corner of the world while keeping their heads high by virtue of their hard work and their dexterity of hands and win the hearts of people around the world through their skills. We want to go for the capacity building of such young people. My brothers and sisters, having taken a resolve to enhance the skill development at a highly rapid pace, I want to accomplish this."

Honorable Prime Minister of India
Shri Narendra Modi
India is one of the youngest nations in the world

More than 62% of its population in the working age group (15-59 years)

More than 54% of its total population below 25 years of age

In fact, during the next 20 years the labour force in the industrialized world is expected to decline by 4%, while in India it will increase by 32%.
Apart from meeting its own demand, India has the potential to provide skilled workforce to fill the expected shortfall in the ageing developed world.
Skill Ecosystem

• MSDE is responsible for coordination with all concerned for evolving an appropriate skill development framework.

• The implementation of Policy is supported by three institutions:
  - National Skill Development Agency (NSDA),
  - National Skill Development Corporation (NSDC), and
  - Directorate General of Training (DGT).

• Skill India Mission launched on 15th July 2015 to give direction to key bodies and bring together all stakeholders of the skill ecosystem.
To capture the skilling needs for both service users and manufacturers/ service providers within the sector and implement a roadmap for a nation-wide, industry led collaborative skills development initiatives that will enable meet India’s potential for “Green Businesses”.
SKILLS COUNCIL FOR GREEN JOBS (SCGJ)
SECTORS COVERED

**Renewable Energy**
1. Solar PV
2. Solar Thermal
3. Wind
4. Small Hydro
5. Biomass Power / Cogen / CHP
6. Energy Storage
7. Biofuels, Biogas, Pellets / Briquettes
8. Clean Cook Stoves

**Green Construction**
9. Green Construction
   (a) Green Buildings
   (b) Green Campuses

**Green Transportation**
10. Green Transportation
    (a) Electric Vehicles
    (b) Biofuels vehicles
    (c) Bio-CNG vehicles

**Carbon Sinks**
11. Carbon Sinks
    (a) Afforestation
    (b) Sustainable Forestry Management

**Waste Management**
13. Solid Waste Management
    (a) Municipal
    (b) Manure & Agri Residues

**Water Management**
12. Water Management
    (a) Treatment
    Energy Recovery + Re-use
    Sewage / Industry Effluents
    (b) Conservation :
    Water harvesting
    Check Dams,
    Micro-irrigation

14. Electronic Waste Management
SCGJ Linkages with Industry

- All sub sectors are represented on Governing Council

- Industry membership three categories
  - Governing Council
  - Sector Advisory Group (Industry Majors/ Technology leaders)
  - Members (MSME’s)

- Close linkage with Industry Chambers / Industry Associations

- Close linkages will be established with State Governments

- Interaction / participation in all major Industry Expos & create comprehensive data base in Industries covered by SCGJ scope
• Occupational Mapping (OM) has exhaustive Industry Input, for all segments under SCGJ scope

• OM aims to project region wise requirement, skill gaps analysis, based on Industry’s current & forecasted operations (factoring in trends in technology evolution).

• OM covers:

  Principal Line Functions

  - Manufacturing
  - System Integration
  - Construction
  - O&M / Customer Support
Strategy of SCGJ

Qualification Packs
• Involve Industry in “Courseware development” & “Assessment”.
• Work with other Skill Councils to introduce green component in their QPs

Industry
• Facilitate MoU between Industry and TPs for placements
• Schools & Industry collaboration under “Apprentice Schemes” for “Activity Supervisors”

Training Partner
• Affiliate TPs on State wise basis, as per Industry needs
• Allocate QPs to TPs as relevant for Industry in vicinity
• ITI are to be adopted as training partners for “Activity Performers”

Certified Trainees
Employed in Industry
Grow as Entrepreneurs
SCGJ working on Project/Manufacturing location specific mode:

- MoU with Industry for recruitment
- Pre-selection of candidates suitable for the job
- Industry to pay for certified manpower
- Candidate to pay nominal fee
- Training as per QP + Industry specific requirement
- Unsuccessful candidates to be re-trained.
SCGJ has developed the following Qualification Packs:

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Name of the QP</th>
<th>Code</th>
<th>NSQF Level</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Solar PV Installer (Suryamitra)</td>
<td>SGJ/Q0101</td>
<td>4</td>
<td>Approved for Training</td>
</tr>
<tr>
<td>2</td>
<td>Solar PV Installer (Electrical)</td>
<td>SGJ/Q0102</td>
<td>4</td>
<td>Approved for Training</td>
</tr>
<tr>
<td>3</td>
<td>Solar PV Installer (Civil)</td>
<td>SGJ/Q0103</td>
<td>4</td>
<td>Approved for Training</td>
</tr>
<tr>
<td>4</td>
<td>Rooftop Solar Photovoltaic Entrepreneur</td>
<td>SGJ/Q0104</td>
<td>6</td>
<td>Upcoming</td>
</tr>
<tr>
<td>5</td>
<td>Solar Proposal Evaluation Specialist</td>
<td>SGJ/Q0105</td>
<td>7</td>
<td>Upcoming</td>
</tr>
<tr>
<td>6</td>
<td>Rooftop Solar Grid Engineer</td>
<td>SGJ/Q0106</td>
<td>5</td>
<td>Upcoming</td>
</tr>
</tbody>
</table>

Web Link: www.greenskillcouncil.in/about/national-occupational-standards/
Qualification Packs in Other Sector

### Water Management Sector

<table>
<thead>
<tr>
<th>Name of the QP</th>
<th>Code</th>
<th>NSQF Level</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wastewater Treatment Plant Technician</td>
<td>SGJ/Q6601</td>
<td>4</td>
<td>Approved for Training</td>
</tr>
<tr>
<td>Wastewater Treatment Plant Helper</td>
<td>SGJ/Q6602</td>
<td>3</td>
<td>Approved for Training</td>
</tr>
</tbody>
</table>

### Solid Waste Management Sector

<table>
<thead>
<tr>
<th>Name of the QP</th>
<th>Code</th>
<th>NSQF Level</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recyclable Waste Collector &amp; Segregator</td>
<td>SGJ/Q6101</td>
<td>4</td>
<td>Upcoming</td>
</tr>
</tbody>
</table>

### Clean Cooking Sector

<table>
<thead>
<tr>
<th>Name of the QP</th>
<th>Code</th>
<th>NSQF Level</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Improved Cookstove Installer</td>
<td>SGJ/Q2101</td>
<td>4</td>
<td>Upcoming</td>
</tr>
<tr>
<td>Portable Improved Cookstove Assembler</td>
<td>SGJ/Q2102</td>
<td>3</td>
<td>Upcoming</td>
</tr>
<tr>
<td>Portable Improved Cookstove Quality Control Manager</td>
<td>SGJ/Q2103</td>
<td>6</td>
<td>Upcoming</td>
</tr>
</tbody>
</table>
Training Partners of SCGJ

Presence of Training Partners of Skill Council for Green Jobs
Total Number of Training Partners : 56
Total No of Training Centers Approved : 83
Presence in States : 20

Solar Training Centers in Rajasthan: 10

Web Link: www.greenskillcouncil.in/about/national-occupational-standards/
## Training Partners of SCGJ

<table>
<thead>
<tr>
<th>S.No</th>
<th>Name of Training Center</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Smart Brains Sikar</td>
<td>Sikar</td>
</tr>
<tr>
<td>2</td>
<td>IIS @ ILFS – Bhilwara</td>
<td>Bhilwara</td>
</tr>
<tr>
<td>3</td>
<td>Cairn Center of Excellence</td>
<td>Jodhpur</td>
</tr>
<tr>
<td>4</td>
<td>Vivekanand Skill Development Institute</td>
<td>Hanumangarh</td>
</tr>
<tr>
<td>5</td>
<td>Institute of Engineering and Technology</td>
<td>Alwar</td>
</tr>
<tr>
<td>6</td>
<td>AIET Campus</td>
<td>Alwar</td>
</tr>
<tr>
<td>7</td>
<td>Shri Dharamshala Manjunateshwara College of Engineering and Technology</td>
<td>Dharwad</td>
</tr>
<tr>
<td>8</td>
<td>All India Agrasen Technical Education &amp; Research Foundation</td>
<td>Jaipur</td>
</tr>
<tr>
<td>9</td>
<td>SLBS Engineering College</td>
<td>Jodhpur</td>
</tr>
<tr>
<td>10</td>
<td>Vision World Tech Pvt. Ltd.</td>
<td>Jaipur</td>
</tr>
</tbody>
</table>

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