

GREEN JOBS



# NEWSLETTER

ISSUE 32 | OCTOBER 2025



**Empowering Equal Futures  
Building a Gender-Equal Workforce**

## Inside the Issue

- ❁ Message from the CEO's Desk
- ❁ Training & Assessment statistics
- ❁ events & Training
- ❁ Projects
- ❁ energy Insight
- ❁ celebrations

## SUSTAINABLE DEVELOPMENT GOALS



## Message from the CEO's Desk



As we commemorate a decade of transformative progress at the Skill Council for Green Jobs (SCGJ), it gives me immense pride to reflect on our shared journey toward building a skilled, sustainable, and inclusive India. Over the years, SCGJ has emerged as a leading force in advancing green skilling and shaping a workforce aligned with the nation's clean energy transition and net-zero vision.

The past year has been particularly significant. Through strategic partnerships, innovative projects, and collaborative engagements across the renewable energy ecosystem, we have strengthened our institutional framework and deepened our impact across the country. From the successful execution of large-scale initiatives like the PM Surya Ghar Muft Bijli Yojana and the GIZ-TISA Initiative to the expansion of Green Hydrogen Centres of Excellence, our efforts have continued to empower thousands of youth, professionals, and entrepreneurs.

We have also placed a strong emphasis on gender inclusion, recognizing that the green transition must be both equitable and empowering. Initiatives such as the "Empowering Women in Solar Energy" program in collaboration with MSEDCL and ADB exemplify how targeted training can unlock opportunities for women in emerging sectors.

As we look to the future, SCGJ remains committed to innovation, collaboration, and excellence. Our vision is clear — to expand the reach of green skills, strengthen global partnerships, and ensure that every trained individual becomes a catalyst for sustainable development. Together, we will continue to build a workforce that powers India's journey toward a cleaner, more resilient, and inclusive economy.

Arpit Sharma  
Chief Executive Officer  
Skill Council for Green Jobs  
(SCGJ)

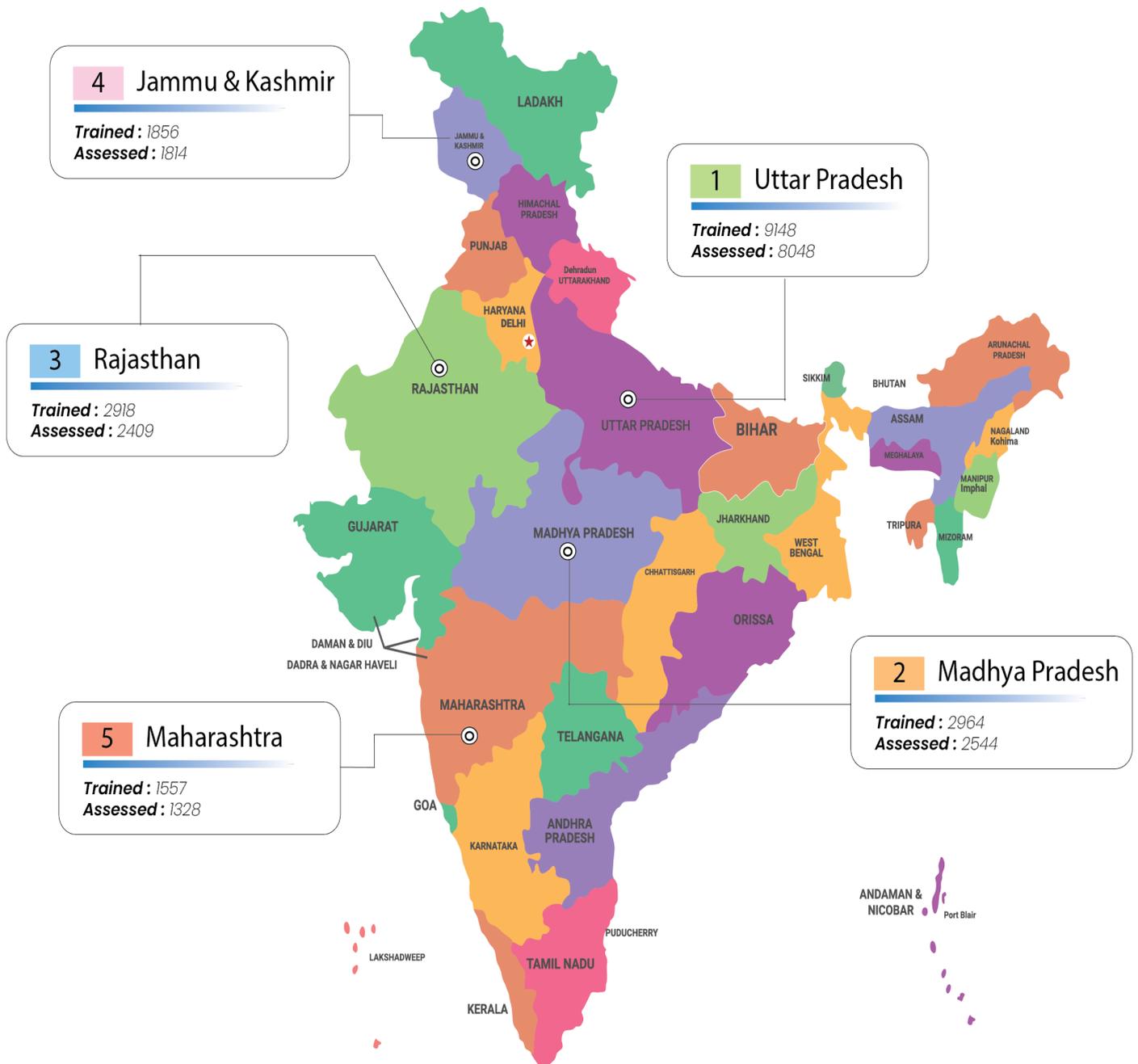




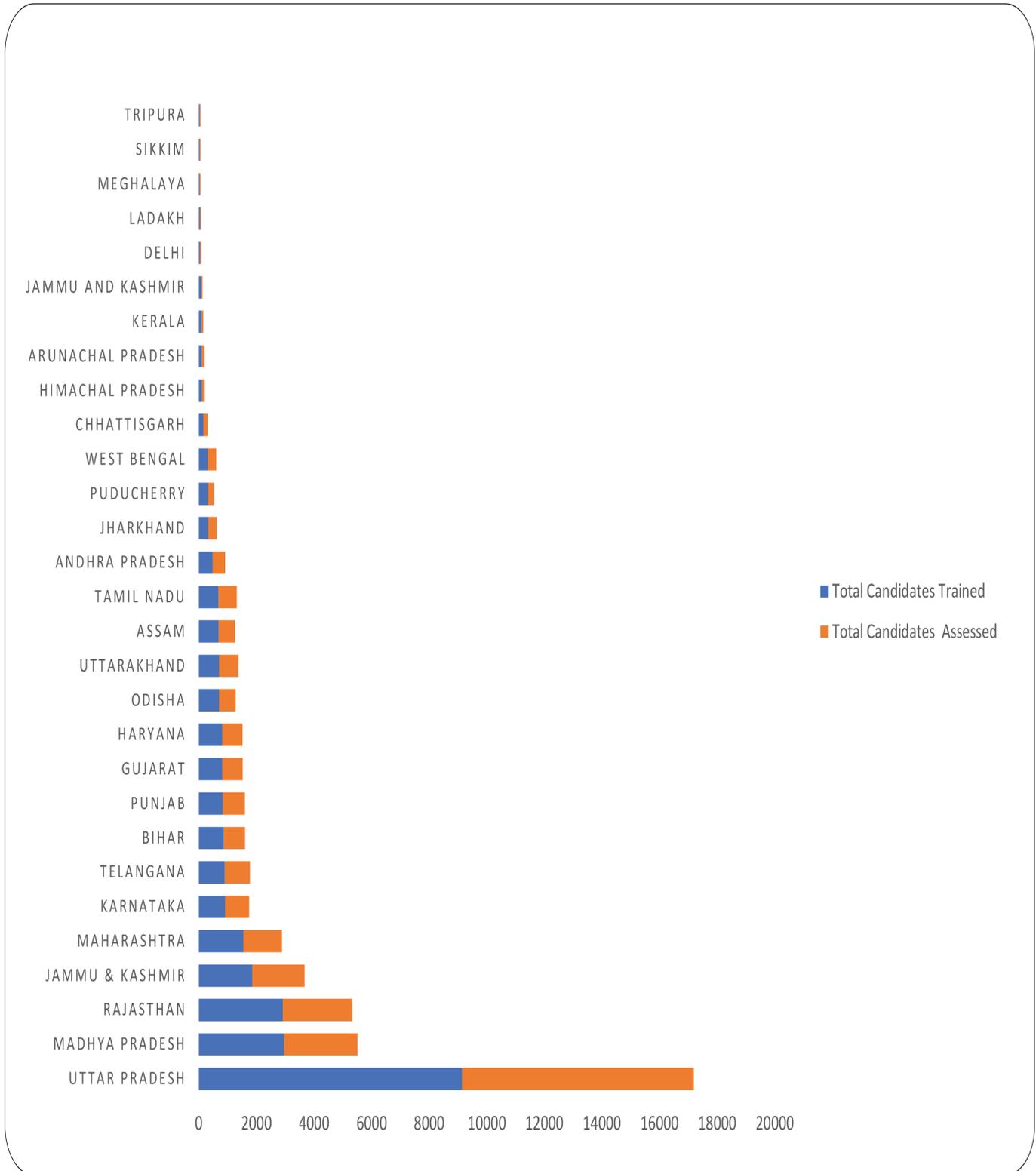
## Training & Assessment Statistics

All the operational statistics related to training initiatives are presented in this section. It provides a comprehensive overview of the programmes conducted across different financial years, including key details such as the number of participants, courses offered, and assessment outcomes. This data enables clear tracking of performance trends and supports informed decision-making for future training interventions.

## Top 5 States in Training & Assessment



## State Wise Training & Assessment

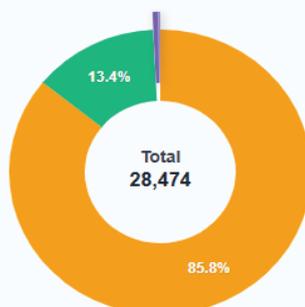


|    | State / Union Territory | Total Candidates Trained | Total Candidates Assessed |
|----|-------------------------|--------------------------|---------------------------|
| 1  | Uttar Pradesh           | 9140                     | 8048                      |
| 2  | Madhya Pradesh          | 2964                     | 2544                      |
| 3  | Rajasthan               | 2918                     | 2409                      |
| 4  | Jammu & Kashmir         | 1924                     | 1875                      |
| 5  | Maharashtra             | 1557                     | 1328                      |
| 6  | Karnataka               | 913                      | 833                       |
| 7  | Telangana               | 895                      | 876                       |
| 8  | Bihar                   | 859                      | 743                       |
| 9  | Punjab                  | 825                      | 771                       |
| 10 | Gujarat                 | 812                      | 708                       |
| 11 | Haryana                 | 810                      | 703                       |
| 12 | Odisha                  | 709                      | 563                       |
| 13 | Uttarakhand             | 708                      | 665                       |
| 14 | Assam                   | 686                      | 567                       |
| 15 | Tamil Nadu              | 681                      | 638                       |
| 16 | Andhra Pradesh          | 478                      | 434                       |
| 17 | Jharkhand               | 328                      | 290                       |
| 18 | Puducherry              | 324                      | 206                       |
| 19 | West Bengal             | 314                      | 291                       |
| 20 | Chhattisgarh            | 160                      | 142                       |
| 21 | Himachal Pradesh        | 106                      | 101                       |
| 22 | Arunachal Pradesh       | 102                      | 95                        |
| 23 | Kerala                  | 82                       | 76                        |
| 24 | Delhi                   | 46                       | 36                        |
| 25 | Ladakh                  | 43                       | 37                        |
| 26 | Meghalaya               | 30                       | 30                        |
| 27 | Sikkim                  | 30                       | 28                        |
| 28 | Tripura                 | 30                       | 30                        |

\*As of 30 Sep 25

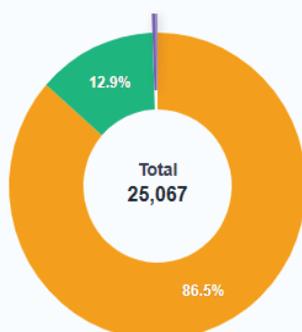
## Domain Wise Training & Assessment

### Training



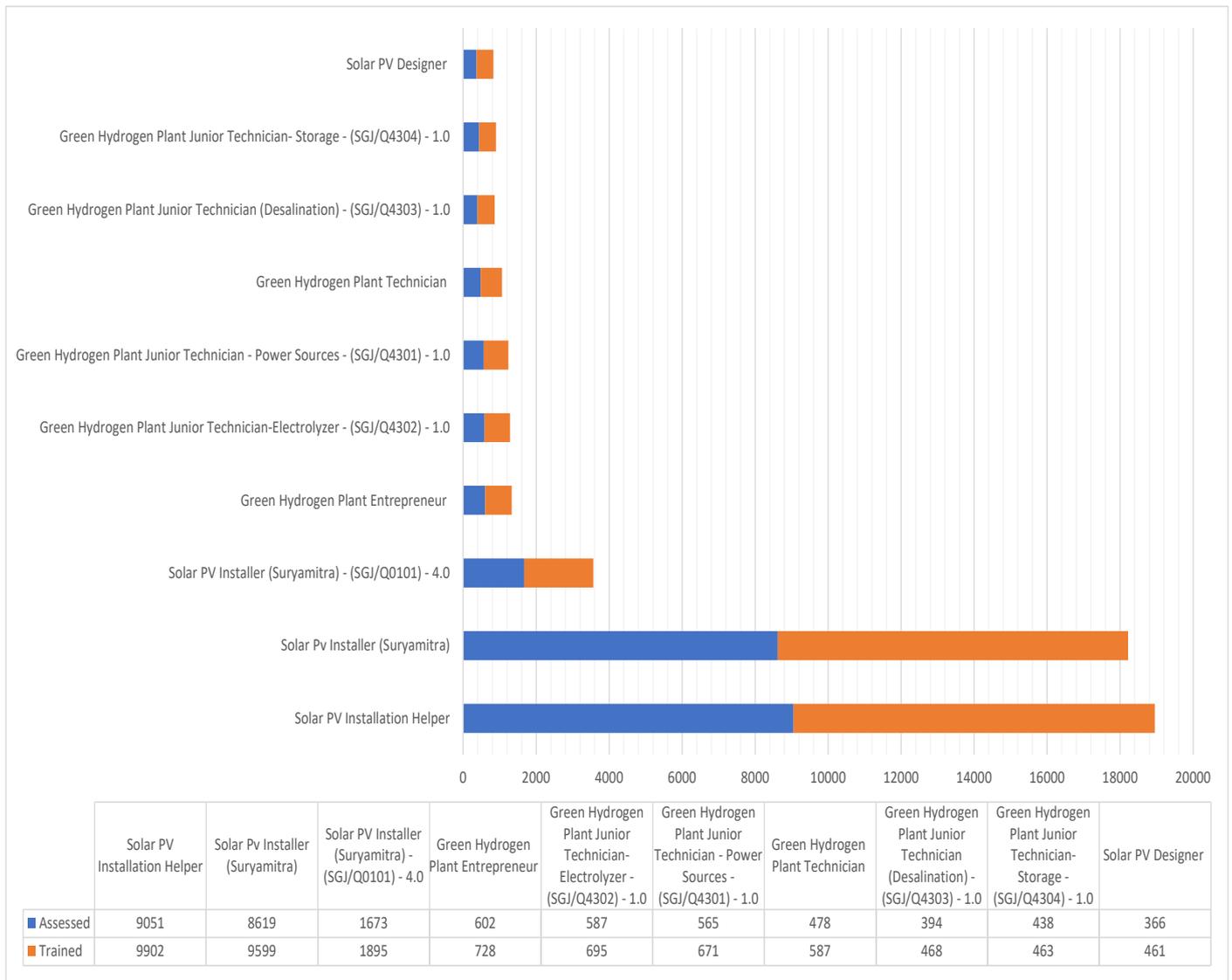
|                         |        |         |
|-------------------------|--------|---------|
| Solar Energy            | 24,443 | (85.8%) |
| Green Hydrogen          | 3,815  | (13.4%) |
| Waste Management        | 174    | (0.6%)  |
| Small Hydro             | 30     | (0.1%)  |
| Sustainable Development | 12     | (0.0%)  |

### Assessment



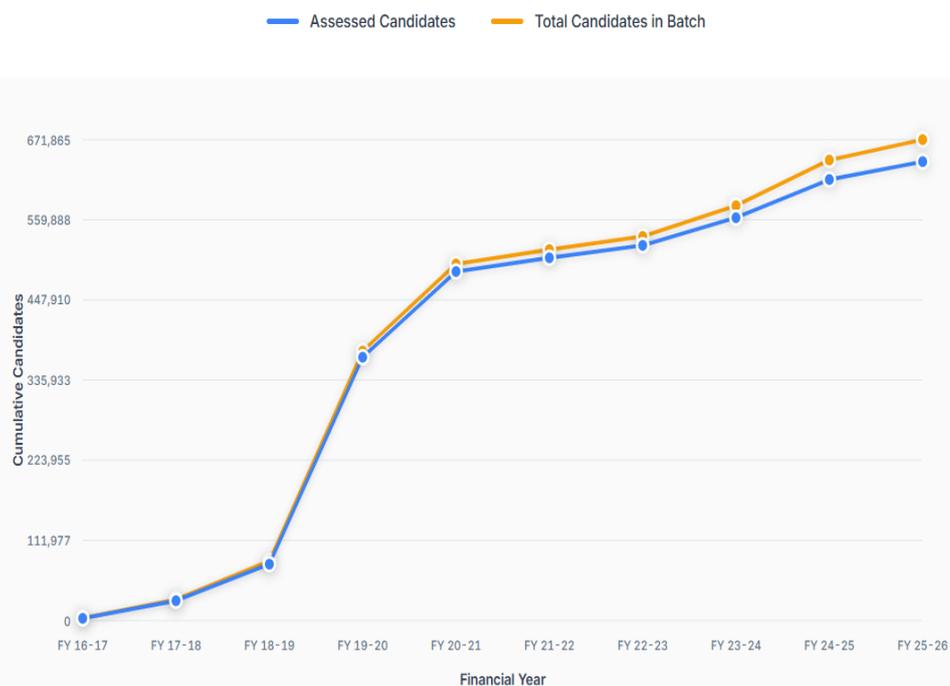
|                         |        |         |
|-------------------------|--------|---------|
| Solar Energy            | 21,679 | (86.5%) |
| Green Hydrogen          | 3,245  | (12.9%) |
| Waste Management        | 105    | (0.4%)  |
| Small Hydro             | 27     | (0.1%)  |
| Sustainable Development | 11     | (0.0%)  |

## Top 10 Job Roles



## Training & Assessment Cumulative Analysis

Cumulative Candidate Assessment Analysis  
Financial Year Distribution (FY 2016-17 to 2025-26)



| FY                 | Sum of Assessed | Sum Trained    |
|--------------------|-----------------|----------------|
| 16-17              | 3046            | 3272           |
| 17-18              | 24591           | 26003          |
| 18-19              | 51070           | 53682          |
| 19-20              | 289149          | 293454         |
| 20-21              | 119728          | 121784         |
| 21-22              | 19167           | 19985          |
| 22-23              | 17391           | 18458          |
| 23-24              | 38632           | 42947          |
| 24-25              | 53306           | 63806          |
| 25-26              | 25067           | 28474          |
| <b>Grand Total</b> | <b>641147</b>   | <b>671865*</b> |

\*As of 30 Sep 25



## Events & Training



## SCGJ Participates in National Workshop on Offshore Wind Skill Development and Socioeconomic Impacts

Gandhinagar, Gujarat | September 23, 2025

The Skill Council for Green Jobs (SCGJ) actively participated in the Stakeholder Workshop on Socioeconomic Impacts and Skills Development for Indian Offshore Wind, held in Gandhinagar, Gujarat, on September 23, 2025. The event was organized by ClimateHub India Advisors and BVG Associates, with knowledge support from the Shakti Sustainable Energy Foundation. The workshop brought together key stakeholders from government, industry, academia, and civil society to discuss the emerging skill needs, socioeconomic opportunities, and policy imperatives associated with India's offshore

wind energy sector.

### Focus on India's Offshore Wind Potential

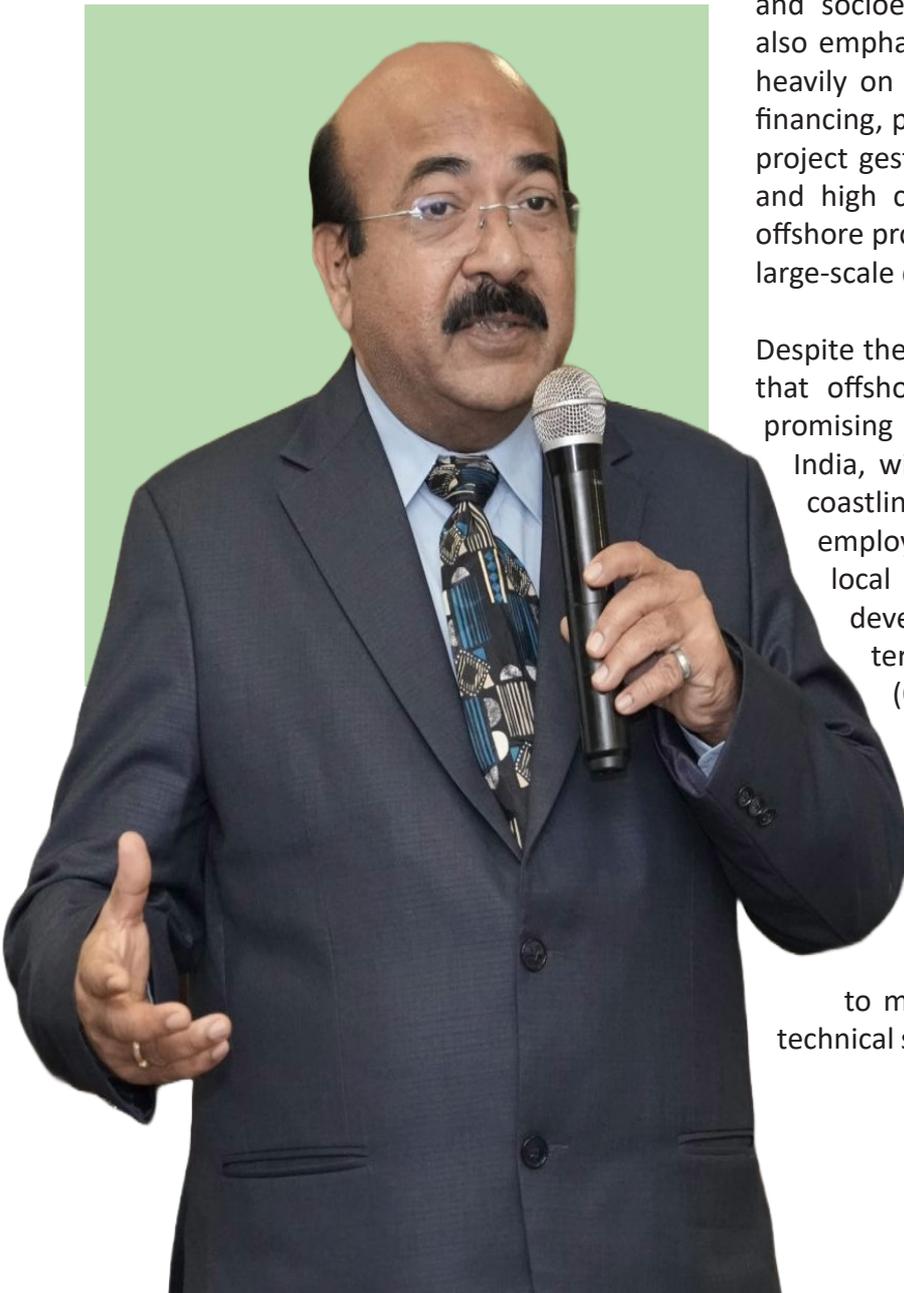
India's offshore wind sector is increasingly being recognized as a promising frontier in the nation's renewable energy transition. The workshop served as a platform for deliberating on research findings from a comprehensive Skill Gap Assessment Study, which examined workforce readiness and capacity-building needs across the offshore wind value chain.

Presentations highlighted that offshore wind could play a transformative role in achieving India's clean energy ambitions, offering both environmental and socioeconomic benefits. However, experts also emphasized that sectoral progress depends heavily on addressing key challenges related to financing, policy and regulatory frameworks, and project gestation periods. The longer lead times and high capital requirements associated with offshore projects continue to be major hurdles to large-scale deployment.

Despite these challenges, participants reaffirmed that offshore wind remains one of the most promising renewable energy frontiers for India, with vast potential along its extensive coastline. It is expected to create significant employment opportunities and stimulate local economies through supply chain development, manufacturing, and long-term operations and maintenance (O&M) activities.

### Emphasis on Skill Development and Capacity Building

A major theme that emerged from the deliberations was the urgent need for specialized skill development to meet the stringent quality, safety, and technical standards demanded by offshore wind



projects. Stakeholders underscored that the sector's success would depend on cultivating a workforce equipped with competencies in marine engineering, subsea cabling, foundation installation, turbine manufacturing, and maintenance operations.

The research presented during the workshop suggested that India's current skilling ecosystem requires significant strengthening to align with global offshore wind standards. Participants called for the establishment of dedicated training modules, industry-academia collaborations, and national standards to bridge existing gaps.

### **SCGJ's Contribution to the Deliberations**

Representing the Skill Council for Green Jobs, Mr. Mukul Saxena (Head – Standards and Research) and Ms. Sonia Parashar (Manager – Standards and Research) actively contributed to the technical discussions and stakeholder sessions. They highlighted SCGJ's ongoing initiatives to build a robust and responsive skill development ecosystem for the renewable energy sector, including the offshore wind domain.

Mr. Saxena emphasized that SCGJ, as part of the National Skill Development Mission, is committed to developing National Occupational Standards (NOS) and Qualification Packs (QPs) specific to emerging green technologies. These frameworks will ensure that training programs are standardized, industry-aligned, and capable of producing job-ready professionals for high-

demand sectors.

Ms. Parashar underscored the importance of cross-sectoral collaboration, noting that the offshore wind industry requires multidisciplinary expertise spanning engineering, environmental management, and maritime operations. She reiterated that building a pipeline of skilled professionals would not only support project execution but also enhance India's competitiveness in the global renewable energy market.

### **Collaborative Path Forward**

In acknowledging the workshop's outcomes, SCGJ commended ClimateHub India Advisors, BVG Associates, and Shakti Sustainable Energy Foundation for facilitating an insightful and inclusive dialogue. The Council emphasized that continued engagement among policymakers, training institutions, and industry stakeholders is vital for translating the workshop's findings into actionable strategies.

SCGJ reaffirmed its commitment to:  
Developing specialized skill standards and training frameworks for offshore wind operations.

Supporting policy advocacy for integrating green skill development into national and state-level renewable energy strategies.



Collaborating with international and domestic partners to adopt best practices in training delivery, certification, and workforce planning.

## A Step Toward a Skilled Offshore Wind Workforce

The workshop concluded with a collective recognition of the offshore wind sector's potential to accelerate India's clean energy transition while creating sustainable livelihood opportunities. Participants agreed that a proactive approach to skill development, capacity building, and research integration is essential to unlock this potential.

Through its active participation, SCGJ reaffirmed its leadership role in promoting green skilling, capacity enhancement, and knowledge-based policy formulation. By championing collaboration and workforce

## Skill Council for Green Jobs Showcases Green Hydrogen Innovation at Kaushal Mahotsav

Lucknow, Uttar Pradesh | September 16–17, 2025

The Skill Council for Green Jobs (SCGJ) drew widespread attention at the Kaushal Mahotsav held in Lucknow on September 16–17, 2025, by showcasing the working of a Green Hydrogen Electrolyser and demonstrating its applications in clean energy production. The two-day event, organized under the aegis of the Ministry of Skill Development and Entrepreneurship (MSDE), brought together thousands of students, job seekers, industry representatives, and government officials to explore new-age skill and employment opportunities.

At the SCGJ pavilion, visitors witnessed a live demonstration explaining how hydrogen can be produced sustainably using renewable energy sources such as solar and wind. The exhibit generated tremendous interest, helping participants understand the pivotal role of Green Hydrogen in India's clean energy transition and the vast potential it holds for future employment.

### Promoting Awareness on Green Careers

SCGJ's booth served as an interactive learning hub, engaging diverse audiences including students, Army veterans, and professionals. Representatives from the Council provided insights into emerging opportunities in the Green Hydrogen sector and discussed its significance in achieving India's net-zero emissions goals.

Alongside the technology demonstration, SCGJ also disseminated information about its key initiatives such as the National Apprenticeship Promotion Scheme (NAPS) and the JobX portal. Both platforms are enabling youth to gain

practical, skill-based experience and connect with green job opportunities across renewable energy, waste management, sustainable mobility, and other environment-focused sectors.

Visitors responded enthusiastically, reflecting growing awareness and interest in sustainable technologies and green skilling pathways. The exhibit not only highlighted SCGJ's commitment to developing a skilled workforce for India's clean energy future but also encouraged dialogue on innovation and employment within the green economy.

### Dignitaries Commend SCGJ's Efforts

The SCGJ pavilion was honored by the visit of senior government and institutional representatives, including:

- Mr. Jaishiv Sharma, Directorate General of Training (DGT), MSDE
- Mr. Mahendra Payal, Executive Vice President – SSC Collaboration, Central Ministry Interaction & Apprenticeship, NSDC
- Mr. Rajesh Swaika, Chief Finance Officer, NSDC

The dignitaries appreciated SCGJ's efforts in promoting awareness about Green Hydrogen and its role in advancing India's sustainable development goals. They lauded the Council for its proactive initiatives to build a green-skilled workforce and emphasized the importance of integrating clean energy training into national skilling frameworks.

## Strong Public Engagement and Impact

The SCGJ exhibit recorded high footfall and enthusiastic participation, particularly from students and professionals keen to learn about clean energy technologies. Many attendees expressed interest in pursuing training and certification programs under SCGJ's skilling ecosystem.

The event provided an excellent platform for SCGJ to strengthen its engagement with stakeholders, share knowledge on green innovations, and inspire the youth to participate in India's growing sustainable energy landscape.



## Driving India's Green Skill Mission

Speaking on the Council's participation, representatives from SCGJ highlighted that initiatives like Kaushal Mahotsav are instrumental in bridging the gap between skills, technology, and employment. The Council reaffirmed its commitment to empowering India's youth with job-ready skills in renewable energy, sustainable infrastructure, and green manufacturing. By combining technology demonstration, public outreach, and career guidance, SCGJ continues to lead the way in building a future-ready workforce that supports India's clean energy goals and sustainable growth.



## Students Awarded Certificates under PMKVY Scheme at Galgotias University Ceremony

Greater Noida, Uttar Pradesh | August 29, 2025

A Certificate Distribution Ceremony was held at Galgotias University, Greater Noida, on August 29, 2025, to felicitate students who successfully completed their training under the Pradhan Mantri Kaushal Vikas Yojana (PMKVY) in the sectors of Water and Renewable Energy. The event celebrated the growing impact of skill-based education and its vital role in building a sustainable and job-ready workforce.

The ceremony was graced by Dr. Hari Om, IAS, Principal Secretary, Department of Vocational Education, Skill Development and Entrepreneurship, Government of Uttar Pradesh, who attended as the Chief Guest. Mr. Mukul Saxena, Head – Standards and Research, Skill Council for Green Jobs (SCGJ), joined as the Guest of Honour, while Mr. Varun Tandan, CEO, Water and Plumbing Sector Skill Council (WPCSC), was among the key dignitaries present.



## Dignitaries Emphasize the Power of Skill Development

Addressing the gathering, Dr. Hari Om commended the university's efforts in promoting practical and

employment-oriented education. He highlighted the Uttar Pradesh government's commitment to integrating vocational training and formal education, ensuring that youth are equipped with the necessary skills to contribute to India's evolving industrial and green economy landscape.

In his address, Mr. Mukul Saxena of SCGJ inspired students by emphasizing the importance of green skills in shaping a sustainable future. He spoke about the need for trained professionals in emerging sectors such as renewable energy, energy efficiency, and waste management, and urged students to take pride in being part of India's green transition. "Skill development is not just a means of employment but a contribution to the nation's sustainable growth," he said.



Mr. Varun Tandan of WPCSC highlighted the crucial role of skilled workers in the water and plumbing sectors, stressing that such training contributes to resource conservation, better infrastructure, and improved quality of life. He encouraged students to continue enhancing their skills to remain competitive in the changing job market.

### **Certificates Awarded to PMKVY Graduates**

The highlight of the event was the distribution of certificates to nearly 75 students trained under the PMKVY Scheme. These students completed specialized courses in Water and Renewable Energy, designed to align with the growing demand for sustainable solutions and green technologies.

The dignitaries congratulated the students for their hard work and dedication and encouraged them to apply their skills in real-world settings

that support India's environmental and economic goals.

### **Strong Participation and Industry Connect**

The event witnessed participation from more than 300 attendees, including students, faculty members, and representatives from the industry. It provided an opportunity for interaction between academia and sector skill councils, fostering greater awareness about career opportunities in green and technical fields.

Through such initiatives, Galgotias University continues to strengthen its partnership with national skill councils and government bodies to promote industry-aligned learning.

### **Towards a Sustainable Future**

The event reinforced the collaborative efforts of the Skill Council for Green Jobs (SCGJ) and the Water and Plumbing Sector Skill Council (WPCSC) in supporting the Government of India's Skill India Mission. Both councils are actively engaged in developing training frameworks and standards that prepare youth for the green and sustainable economy.

SCGJ's participation highlighted its ongoing commitment to promoting green skilling, certification, and employability in renewable energy and other environment-linked sectors.

The ceremony concluded with a collective message that skill development, when aligned with sustainability, can transform India's economic future by creating a generation of empowered, skilled, and environmentally conscious professionals.



## SCGJ's Participation at the International Climate Summit 2025

New Delhi | 29th August 2025

The Skill Council for Green Jobs (SCGJ) actively participated in the International Climate Summit 2025, organized by the PHD Chamber of Commerce and Industry (PHDC-CI) on 29th August 2025. The summit brought together policymakers, industry leaders, experts, and academicians to deliberate on strategies for accelerating the transition towards a sustainable, low-carbon economy in alignment with India's climate commitments and global net-zero objectives.

Representing SCGJ, Ms. Sangeeta Patra, Vice President – Marketing & Partnerships, addressed the Technical Session on “Lifestyle for Environment / Decarbonisation / Carbon Economy / Skill Development / Financing.” In her address, Ms. Patra emphasized the crucial role of skill development as an enabler for achieving India's decarbonisation goals and fostering a climate-resilient economy.

She highlighted SCGJ's comprehensive ecosystem of nationally approved job roles developed under the National Skills Qualification Framework (NSQF), tailored to emerging sectors such as renewable energy, waste management, green construction, electric mobility, and sustainable agriculture. Ms. Patra further

elaborated on the Council's ongoing skilling initiatives, which aim to equip youth and professionals with competencies required for employment in green and sustainable industries.

A key focus of her address was on the National Apprenticeship Promotion Scheme (NAPS) and SCGJ's JobX platform, both serving as critical enablers in linking skilled candidates with industry demand. She outlined how these mechanisms are fostering industry-academia partnerships, promoting hands-on learning, and creating employment opportunities across various segments of the green economy.

Ms. Patra's presentation reaffirmed SCGJ's commitment to advancing the “Lifestyle for Environment (LiFE)” movement and supporting India's net-zero mission by empowering the workforce with future-ready green skills. Her insights underscored the significance of integrating skill development, innovation, and financing to accelerate the country's transition towards a sustainable and inclusive carbon economy.

The International Climate Summit 2025 served as an effective platform for knowledge exchange and collaboration, further strengthening SCGJ's engagement with key stakeholders in driving national and global climate action through capacity building and skill development.



# Empowering Women in Solar Energy” – SCGJ Initiative at Nashik

Nashik , Maharashtra | 23rd August 2025

The Skill Council for Green Jobs (SCGJ) marked a significant milestone in advancing gender inclusion within the renewable energy sector through its initiative “Empowering Women in Solar Energy.” Under the Asian Development Bank (ADB)-supported program, SCGJ has successfully trained 100 apprentices from the Maharashtra State Electricity Distribution Company Limited (MSEDCL) in Solar PV Installation at Nashik, Maharashtra.

The training was conducted in two separate lots to ensure focused, hands-on instruction:

|       |                     |
|-------|---------------------|
| Lot 1 | 57 Women candidates |
| Lot 2 | 43 male candidates  |

On 23rd August 2025, SCGJ proudly organized a Certificate Distribution Ceremony for the 57 women participants of the first batch. The event celebrated their successful completion of training and acknowledged their determination, skill, and enthusiasm in contributing to India’s growing solar energy sector.

This initiative reflects SCGJ’s unwavering commitment to: Strengthening India’s solar energy ecosystem by developing technically proficient solar installation professionals.

Encouraging greater participation of women in green jobs, thereby fostering inclusivity and diversity in the renewable energy workforce.

Building a skilled and future-ready workforce that supports the nation’s transition towards a sustainable, low-carbon economy.

Through this program, SCGJ continues to bridge the gap between technical education and industry requirements, empowering women to take up active roles in solar PV projects across the country. By integrating skill development with practical experience, SCGJ reinforces

es its mission of creating equitable opportunities and driving India’s green growth agenda. The successful completion of this training at Nashik stands as a testament to SCGJ’s leadership in promoting “Skill India – Green India” and demonstrates how skill development can be a catalyst for both women’s empowerment and sustainable energy transition.



## SCGJ's Participation in the Conference on "Empowering India's Green Future: Organized by Swaniti Initiative in collaboration with APSSDC

Vijayawada Andhra Pradesh | 6th August 2025

SCGJ participated in the one-day conference titled "Empowering India's Green Future: Andhra Pradesh as the Talent Hub for Solar and Wind Energy", held on 6th August 2025 in Vijayawada, Andhra Pradesh. The event was organized by Swaniti Initiative, in collaboration with the Andhra Pradesh State Skill Development Corporation (APSSDC), to discuss pathways for strengthening the renewable energy talent ecosystem in India.

Representing SCGJ, Mr. Mukul Saxena, Head – Standards & Research, served as a panelist in the session on "Partnerships and Roadmap for the Future." During his address, Mr. Saxena emphasized the need for innovative approaches in green skilling, highlighting how skill development must evolve to align with emerging technologies, evolving market needs, and the global energy transition.

He also stressed the adoption of technology-enabled skilling delivery models, such as digital learning platforms and blended training methods, to enhance accessibility and scalability of green skill programs. Further, Mr. Saxena underscored the importance of inclusive skilling strategies that empower women, tribal youth, self-help groups (SHGs), and micro-entrepreneurs, ensuring that the benefits of the green economy reach all sections of society.

Another key theme of his remarks centered on the role of industry participation, urging greater investment and long-term partnerships from private and public sector players to create a robust and sustainable green workforce pipeline.

The event was graced by the presence of Hon'ble Minister for Energy, Shri Gottipati Ravi Kumar, and Hon'ble Minister for HRD & Skill Development, Shri Nara Lokesh, and witnessed partici-

pation from over 250 experts and stakeholders representing the solar and wind energy sectors. Discussions throughout the conference revolved around building a skilled workforce capable of supporting India's renewable energy expansion and achieving national clean energy targets.

SCGJ's participation in this conference reaffirms its commitment to driving the green skilling agenda and building India's future-ready workforce. By fostering collaboration among industry, government, and training institutions, SCGJ continues to play a pivotal role in advancing the nation's transition toward a sustainable, inclusive, and low-carbon economy.



# Rozgaar Mahakumbh 2025

Lucknow Uttar Pradesh | 26th–28th August 2025

The Skill Council for Green Jobs (SCGJ), in strategic collaboration with BCS Consulting Pvt. Ltd., successfully organized the Rozgaar Mahakumbh 2025 from 26th to 28th August 2025 at the Indira Gandhi Pratishthan, Lucknow. The event served as a major platform for employment generation, career advancement, and industry engagement, bringing together job seekers, employers, and training institutions under one roof.

The Rozgaar Mahakumbh 2025 aimed to provide “One Platform for Employment, Jobs, and Growth – All in One Place!” The event was designed to bridge the gap between skilled candidates and potential employers across various sectors, with a special focus on emerging opportunities in the green and sustainable economy.

- Participants had the opportunity to:
- Meet top employers and interact directly with industry leaders.
- Explore multiple job opportunities aligned with their skill sets and career aspirations.
- Upskill and enhance their employability through information sessions, guidance, and networking.

Through this initiative, SCGJ reaffirmed its commitment to fostering skill-based employment, promoting green jobs, and supporting India’s mission toward sustainable economic growth. The Rozgaar Mahakumbh 2025 not only created a vibrant interface between job seekers and employers but also showcased the vital role of skill development in shaping a future-ready workforce.

The event exemplified SCGJ’s ongoing efforts to empower youth through employability-driven initiatives and strengthen India’s transition towards a skilled, inclusive, and sustainable workforce ecosystem.



# SCGJ Marks a Decade of Green Leadership at its 10th Annual General Meeting

Date: 12th September 2025 | Venue: Virtual Mode (Video Conferencing) | Chair: Mr. Sunil Jain,

## Celebrating Ten Years of Green Skilling Excellence

The Skill Council for Green Jobs (SCGJ) successfully conducted its 10th Annual General Meeting (AGM) on 12th September 2025, marking a decade of remarkable achievements in advancing green skill development and promoting sustainable livelihoods across India. The meeting, chaired by Mr. Sunil Jain, brought together key Governing Council members, industry leaders, academic experts, and senior representatives of SCGJ. The virtual gathering reflected the Council's dynamic evolution and its pivotal role in aligning India's workforce development with global sustainability goals.

## Chairman's Vision: Empowering a Green Workforce

In his opening remarks, Mr. Sunil Jain highlighted SCGJ's ten-year journey as a catalyst for India's green transition. He applauded the Council's achievements in renewable energy skilling, waste management, agri-PV, and green building technologies, alongside its growing footprint in Green Hydrogen and GHG accounting.

Mr. Jain emphasized SCGJ's commitment to building a future-ready green workforce through innovative curricula, strategic partnerships, and global collaborations. He commended the Council's positive financial performance, contrasting it with the previous year's challenges, and announced upcoming initiatives — including the launch of new Centres of Excellence and enhanced international engagement.

He also cited the MoU with the Australian Government and Renew Power as a major step toward global skilling cooperation.

## Key Highlights from the CEO's Presentation

Delivering the Annual Activity Report for 2024–25, Mr. Arpit Sharma, CEO, SCGJ, presented a comprehensive overview of the Council's initiatives, achievements, and collaborations.

## Strengthening Institutional Framework

Established in 2015 under the aegis of the Ministry of Skill Development and Entrepreneurship (MSDE) and promoted by MNRE and CII, SCGJ continues to serve as a recognized Awarding Body under NCVET. Its mandate includes the design of National Occupational Standards (NOS), Qualification Packs (QPs), and model curricula for green jobs nationwide.

## Collaboration with National Missions

SCGJ actively contributed to flagship government programs including:

- Skill India Mission
- National Green Hydrogen Mission
- Swachh Bharat Mission
- National Solar Mission
- Jal Jeevan Mission

Under these missions, SCGJ developed 10 new environment and forestry-related courses for the MoEFCC, and earned the distinction of being a Swachhta Knowledge Partner under the MoHUA — one of only 25 institutions across India with this recognition.

## Major Projects and Initiatives (FY 2024–25)

- Himachal Pradesh Kaushal Vikas Nigam (HPKVN)  
Trained 600 youth in Solar PV installation and maintenance in partnership with IIT Mandi and accredited training partners.
- GIZ–TISA Initiative  
Conducted 110 workshops nationwide on Green Hydrogen, Agri-PV, Floating Solar, and Building Integrated PV, along with 300 minutes of e-learning modules and 300 pages of technical material approved by GIZ.
- GIZ Bio-Gas Project  
Executed skill gap studies in Haryana, Punjab, and Uttar Pradesh on biogas-based clean fuel solutions, paving the way for curriculum

development and training rollouts.

- PM Surya Ghar Muft Bijli Yojana (REC Project) Trained 19,220 candidates (95% of target) as Solar PV Installation Helpers across 105 districts in 18 states. The program received commendation from MNRE for its quality and reach.
- CSR Partnerships  
Jakson Group: Supported solar and green hydrogen technician skilling in Gujarat.
- Odisha Skill Development Authority (OSDA): MoU to train 560 youth in Solar PV and Green Hydrogen.
- SBI Card: Supported multiple rooftop solar installations across hospitals and colleges.

Pioneering the Green Hydrogen Ecosystem

SCGJ has emerged as a national leader in Green Hydrogen skilling under the ₹19,744 crore National Green Hydrogen Mission.

Key milestones include:

- Training 5,000 candidates, with 23 master trainers and 232 certified trainers.
- Developing 12 new qualifications and micro-credentials in collaboration with USAID.
- Establishing three Centers of Excellence in partnership with Tata Power SDI, GERMI, and Avaada Group.
- Signing MoUs with 19 academic and 19 industry partners to enhance curriculum design and training delivery.

### **Empowering through Digital and Industry Connect**

SCGJ continued its digital transformation with the Green India Portal and revamped JobX platform, streamlining data tracking, certification, and job linkages.

The Marketing & Partnerships Division, led by Ms. Sangeeta Patra, expanded SCGJ's membership base to 626 members and forged 48 new MoUs in FY 2024–25. Through campaigns such as World Youth Skills Day, World Environment Day, and the Har Ghar Swachhta Pledge, SCGJ engaged communities nationwide. Its social media outreach crossed 7 lakh impressions, reflecting growing public awareness of green skilling initiatives.

### **Recognitions and Global Presence**

SCGJ received international acclaim at WorldSkills

2024 (France), where Indian participant Amresh Sahu, trained by SCGJ experts, won a Bronze Medal in Renewable Energy and a Medallion of Excellence in Water Technology.

The organization also showcased its expertise at Bharat Skill Next 2025 and sustainability conferences in Dubai and Jaipur, strengthening India's green presence on the global stage.

Financial Review and Governance

The AGM approved SCGJ's audited financial statements for FY 2024–25, affirming strong fiscal performance and transparent operations. The appointment of a new auditor was deferred to an Extraordinary General Meeting (EGM) to be convened shortly.

### **Looking Ahead**

In his concluding remarks, Chairman Sunil Jain reaffirmed SCGJ's commitment to excellence in skilling, innovation, and global partnerships.

Planned initiatives include:

- Expansion of Centers of Excellence in renewable and hydrogen technologies.
- Enhanced CSR and international collaborations.
- Integration of climate education under NEP 2020.
- Greater focus on women and youth empowerment through targeted green skilling programs.

### **Closing Note**

The meeting concluded with a vote of thanks to the Chair. Members commended SCGJ's decade-long journey, appreciating its role in shaping India's green workforce and supporting the nation's net-zero ambitions.

# SCGJ Joins Nadhi–SheForClimate Dialogue in Delhi: Empowering Women in Climate Careers.

Delhi | October 11 | Venue: Habitat India,

The Delhi chapter of Nadhi SheForClimate conducted a stimulating session under one of its main support pillars, Career Support, the other two being Capacity Building and Community Network. The event brought together a vibrant mix of women professionals, ranging from students to mid-career changemakers. They explored how to make a shift into or rise through the ranks in the climate and sustainability sectors. Discussions revolved around new pathways opening up in the green economy, essential skill requirements, and ways to build an inclusive workforce that can shape India's climate future.

## About Nadhi–SheForClimate

Nadhi–SheForClimate is a volunteer-led collective committed to empowering women in India's climate movement. Its mission is to create pathways for women to engage meaningfully in climate action through:

- Career Support: Helping women explore and access opportunities in climate-related professions.
- Capacity Building: Strengthening technical, leadership, and green skills to match emerging industry needs.
- Community Network: Building a vibrant network for mentorship, collaboration, and knowledge exchange.

## Panel of Experts

The Delhi session convened a stellar lineup of speakers from across academia, business, and sustainability:

- **Sonia Parashar**, Skill Council for Green Jobs (SCGJ)
- **Jayati Talapatra**, Business Sustainability | Visiting Faculty, Nalanda University
- **Kavya Ailawadi**, Team Principal, Arthan | Talent Acquisition & Client Relations
- **Meenakshi Sarkar**, Branding & Sustainability, Zelestra-India

The discussion was moderated by **Arpita Kedia**, Delhi NCR Co-lead, Nadhi–SheForClimate, with **Arpit Sharma**, CEO, Skill Council for Green Jobs (SCGJ), joining as the Special Guest.

## Sonia Parashar's Insights: Bridging Skill Gaps through Inclusion

Representing the Skill Council for Green Jobs (SCGJ), Sonia Parashar emphasized the importance of a gender-inclusive approach to India's green transition. She shared insights into SCGJ's initiatives that create training and employment opportunities for women in both urban and rural contexts.

Her remarks highlighted how SCGJ was formed in context to Paris Agreement (2015) and how skill development programs, vocational pathways, and certification models are enabling women to access emerging roles in renewable energy, waste management, and the circular economy.

She further underscored that women's participation in green sectors is not just a matter of representation but a strategic imperative for accelerating India's sustainable development goals.

## Key Takeaways

- Train-the-Trainer programs for women to empower them as mentors and facilitators in climate education.
- Gender sensitisation integrated into education and skilling frameworks to promote inclusion.
- Development of a centralised dashboard mapping climate jobs, training programs, and skilling opportunities.



## Impact and Reflections

Throughout, the session atmosphere was focused, filled with sharing experiences, exploring mentorship opportunities, and what practical steps must be taken to plug gaps in gender and skill within India's sustainability landscape. Even while they acknowledged that challenges persist as far as women's representation in climate and energy sectors is concerned, the overall mood during the session was hopeful, with participants believing that women's empowerment holds the key to a resilient, inclusive green economy.



## Acknowledgments

The session ended with a heartfelt thanks to the Nadhi-SheForClimate Delhi Team- Ms Arpita Kedia, Nidhi Verma, Ms Sambhavi, and Ms Vanshika- for curating a powerful learning space.

Special appreciation was extended to Mr. Arpit Sharma, CEO, SCGJ, for his continued encouragement and vision toward building a gender-inclusive green workforce while highlighting several ongoing and upcoming SCGJ initiatives designed to strengthen women's participation in the green

workforce. These include efforts to mainstream gender considerations within national skilling frameworks, create accessible training programs for women across rural and urban regions, and foster public-private collaborations that connect skilling with employment in sectors like renewable energy like Solar, Green Hydrogen, Energy Efficiency, waste management, ESG Reporting etc.

He emphasized the fact that inclusive growth lies at the core of India's green transition and women's empowerment spurs this journey toward both economic resilience and social equity. His remarks related strongly with the participants, reinforcing SCGJ's commitment to driving a gender-balanced, future-ready workforce in line with India's broader climate and sustainability goals.

He concluded his remarks by thanking platforms like Nadhi-SheForClimate, that provide safe and empowering spaces for women professionals to learn about climate careers, share knowledge, and interact directly with leaders shaping the sustainability landscape, and to all the panelists for their useful insights and guidance to the next generation of women in climate professions.





## Projects

## Skill Development Training of local population focusing on women Participation to enable Just Transition.

By P B Singh



In a Transformative move to position India as the global skills capital, Prime Minister Narendra Modi has placed skill development at the heart of the nation's economic growth strategy. Since the inception of his government, PM Modi has focused relentlessly on empowering India's youth and workforce with practical skills. By focusing on skill development, PM Modi aims to ensure that India's youth are not only employable but are also able to contribute meaningfully to a rapidly changing global economy. PMKVY is one of the cornerstones of PM Modi's vision, ensuring that skills training is accessible to every young person across the country. The Skill India initiative has made significant strides in enhancing the employability of the Indian workforce. One of the key advantages of industry partnerships is the ability to tailored training programs to match the specific requirements of deferent sectors and industries. By engaging with employers and industry experts, skill development initiatives can identify emerging skill gaps, industry trends, and technological advancements, ensuring that training curricula are aligned with market demand and employer expectations. With a current installed/ under installation capacity of around 10 GW and a target of 16 GW by 2026, MSKVY 2.0 can potentially create em-

ployment of more than 15,000 local persons by the project developers. Such local persons, however, need to be adequately trained and certified so that the developers can recruit them without any apprehension. Further, skill development of local people on solar rooftop installation and maintenance, energy storage (centralised as well as distributed), and solar based rural enterprises are also potential areas in which skill development of local people can be undertaken.

The Indian government has recognized the critical link between gender empowerment and sustainability. Initiatives such as the Skill Council for Green Jobs (SCGJ) have been established to address the skilling needs within the green business sector. SCGJ aims to train women in renewable energy, water management, sustainable agriculture, and waste management, recognizing the invaluable role women play in these sectors. This training equips women with the skills needed for emerging green jobs and promotes sustainable practices within communities.

Led by the Energy Department, Government of Maharashtra, a flagship Green Energy Skill Development Program called the Maharashtra Saurya Kaushal Yojana (MahaSKY) has been launched by Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL) in collaboration with Asian Devel-

opment Bank (ADB) and Skill Council for Green Jobs (SCGJ).

A six-day training program has been designed by SCGJ as per the Qualification Pack of Solar PV Installer (Suryamitra) (SGJ/Q0101). This hands-on training in solar PV system design, installation, operation, and maintenance is aligned with the Mukhyamantri Saur Krushi Vahini Yojana (MSKVY) - 2.0 and the Rooftop Solar Program, and focuses on creating pathways for employment and entrepreneurship in Maharashtra. The program envisages training 5,000 individuals from rural areas, with a strong commitment to being inclusive – at least more than 30% of the participants being women. This initiative is a major step toward building a skilled workforce to support Maharashtra's clean energy transition. This is the largest green-skill development program carried out by any power distribution utility. The strategy that is being adopted is as follows:

- **Phase-wise implementation:** to finalize the training modules for Suryamitra based program, content and approach, a pilot of 100 participants was executed of 57% of women was undertaken at the Nashik training centre of MSEDCL. Which was inaugurated by the Chairman and Managing Director (CMD) of MSEDCL and was graced by senior officials of MSEDCL. On successful conduction of this pilot the first phase of 900 participants will be trained across districts.
- **Focus of training content:** the focus of the training content would be O&M of the solar plants (aligning with MSKVY 2.0), installation and maintenance of systems (aligning with the PM Surya Ghar: Muft Bijli Yojana) and concepts and O&M of energy storage systems. The training module(s) should ideally be approved/ in consonance with the National Skills Qualifications Framework (NSQF) of the National Skill Development Corporation (NSDC).
- **Training partner:** Skill Council for Green Jobs (SCGJ) has been identified as the agency to design and implement the capacity building initiative. SCGJ is the sector skill council created by the Ministry of Skill Development and Entrepreneurship (MSDE) and is working in the domain of capacity building for green businesses.
- **Institutionalizing the initiative:** MahaSKY

can emerge into a major skill development program of GoM catering to the manpower needs of not only MSKVY 2.0 but also other solar initiatives of the Government and private sector. It can also spawn local entrepreneurs using solar energy. For this to happen, the initiative needs to be anchored with a relevant GoM Department like the Department of Skills, Employment, Entrepreneurship and Innovation (Mahaswayam). Industrial training institutes (ITIs), especially the women ITIs could be partnered with and their graduates be trained. In due course, SCGJ and ADB will develop a detailed action plan on this.



### Challenges and Areas for Improvement

Despite these efforts, challenges remain. Societal norms and gender biases often limit women's access to education and training in sustainable sectors. Additionally, more robust data collection and analysis on gender and sustainability are needed to inform policy-making and track progress. Financial and technical support for women entrepreneurs in green industries also requires strengthening, ensuring that they can compete effectively and scale their businesses.

### Importance of skill training for Female candidates

In today's rapidly evolving world, education and skills are fundamental to career success. The focus on skill education and training has never been more critical, particularly for females. These initiatives aim to empower female candidates with essential skill, significantly boosting their employability, confidence, and societal contribution. Skill education plays a vital role in

bridging the gender gap in various professional fields. By providing female candidates with the necessary skills, we empower them to compete equally with their male counterparts and break into traditionally male dominated sectors. Furthermore, skill-based training fosters self-confidence and independence. When female candidates are proficient in practical skills, they are better prepared to face workplace challenges and assert themselves in professional settings.



### **Conclusion**

The skill development sector is experiencing significant transformations driven by technological advancements, industry needs, and societal changes. The focus on green skills are key trends shaping the future of education and employment. For policymakers, trainers, students and employers, staying informed about essential for fostering competitive and capable workforce. By embracing these developments, we can create a more adaptable, skilled and sustainable future for all. This training fulfils the MAHASKY 2.0 scheme objective of building the skills of local population, youth and women in particularly, develop source staff for operation & maintenance of the projects locally. Finally we successfully completed training with 57% women participation in this pilot phase. The Author written this article based on the ADB sponsored project.



*P. B. Singh is a Senior Technical Officer at the Skill Council for Green Jobs (SCGJ), specializing in green energy skill development and technical standards. A former Fellow at TERI, he brings extensive expertise in renewable energy, sustainability, and environmental management.*



## Energy Insight

# Renewable Energy Policy Frameworks: Comparative Analysis of Global Models

Renewable energy policy frameworks comprise the laws, regulations, fiscal instruments and administrative processes that governments use to accelerate deployment of renewable energy technologies, integrate variable generation into power systems, and steer energy transitions toward low-carbon outcomes. Over the past decade policy design has shifted from feed-in tariffs and fixed subsidies toward technology-neutral auctions, tax incentives, streamlined permitting and market-based measures such as carbon pricing; since 2023–2025 several major jurisdictions have introduced or refined high-impact instruments (notably the EU's RED III and the United States' Inflation Reduction Act) that significantly affect investment flows and the global deployment trajectory of wind, solar, storage and green hydrogen.

## Objectives and instruments of renewable energy policy

Policy frameworks for renewable energy are typically designed to achieve one or more of the following objectives: expand installed capacity, reduce generation costs, improve grid integration, stimulate domestic industry and jobs, ensure energy security, and meet international climate commitments. Instruments fall into three broad classes:

### *Regulatory/mandates*

- Renewable portfolio standards (RPS) or quota obligations that require a defined share of electricity from renewables.
- Technology mandates for specific sectors (e.g., renewable heat, biofuels).

### *Market-based and fiscal instruments*

- Feed-in tariffs (FITs) and feed-in premiums (early-stage deployment tools).
- Competitive auctions/tenders for capacity or power purchase agreements (now widely used to procure least-cost renewable capacity).
- Tax credits, investment tax credits (ITC), production tax credits (PTC), accelerated depreciation and investment grants.
- Carbon pricing (emissions trading systems, carbon taxes) that improve the relative economics of low-carbon technologies.

### *Enabling and procedural measures*

- Grid access rules, priority dispatch, and market-integration mechanisms for variable renewables.
- Permitting reform and one-stop authorisation to reduce project lead times.
- R&D support, standards, workforce training, and local content rules.

These instruments are often combined into integrated policy packages tailored to national priorities and institutional capacity.

## International policy archetypes — a comparative overview

### *European Union: Target-led, regulatory harmonisation and permitting reform*

The EU's Renewable Energy Directive (RED III), adopted in 2023 and entered into force subsequently, raised the binding EU target for renewable energy to at least **42.5% by 2030** (with a suggested 45% objective) and includes provisions to accelerate permitting, strengthen cross-border cooperation and raise deployment

ambition across member states. Member states were required to transpose key permitting elements into national law (with specific transposition timelines into 2024), making the EU model a combination of binding regional targets plus regulatory streamlining to remove administrative bottlenecks. Strong central targets with binding elements create policy predictability for investors and facilitate integrated cross-border infrastructure planning; however, achievement depends on national permitting capacity and grid expansion.

### ***United States: Fiscal incentives and market stimulus (Inflation Reduction Act)***

The United States' policy approach in the 2020s has been characterised by large, technology-neutral fiscal incentives delivered through tax credits and grant programmes. The **Inflation Reduction Act (IRA)** of 2022 extended and redesigned tax incentives (continuing high ITC/PTC levels and creating new Clean Electricity tax credits), introduced labour and domestic content conditions, and included capacity to transition credits into direct pay or transferability—mechanisms that significantly de-risk project finance and stimulated a surge in renewable and storage investment. The IRA's combination of generous, long-duration tax incentives and industrial incentives has shaped private investment decisions through at least the mid-2020s.

Strong fiscal carrots spur rapid deployment and industrial investment, but their effectiveness depends on stable long-term policy and complementary grid and permitting reforms.

### ***China: Scale-driven, industrial policy and target planning***

China's model emphasises large-scale deployment targets, coordinated planning, grid expansion investments and domestic industrial policy to reduce costs and achieve rapid capacity additions. Central planning and strong state support for manufacturing have enabled China to add more renewable capacity than other countries combined in recent years; however, the model also faces challenges around market integration, curtailment in some regions, and aligning local incentives. (See global deployment trends and investment shares in IEA reports.)

### ***India: Ambitious targets plus enabling reforms***

India has pursued ambitious capacity targets (including a 500 GW non-fossil capacity ambition by the mid-2020s and a net-zero by 2070 commitment) along with auction-based procurement, manufacturing incentives (PLI schemes) and measures to improve land, grid and financing availability. Recent policy emphasis has included hybrid auctions (solar + storage), domestic manufacturing support and steps to address interstate transmission constraints. India's renewable expansion has been a key driver of global capacity growth.

### **Market-led/price-signal economies (e.g., parts of Latin America and Australia)**

Several jurisdictions prioritise competitive auctions and market price signals over prescriptive technology mandates. Where auctions are well-designed, they have delivered very low bid prices; their success depends on liquid financing markets, transparent procurement and credible counterparty risk mitigation.

### **Recent global trends and 2023–2025 updates**

#### **Deployment and market trends**

- **Global growth:** Recent IEA analysis projects a continued rapid expansion of renewable electricity through 2030, with renewables meeting the majority of electricity demand growth in the latter half of the 2020s. The IEA's *Renewables 2025* report provides updated forecasts and highlights that near-term deployment is sensitive to policy, permitting and supply-chain dynamics.
- **Cost dynamics:** After a decade of steep declines, solar and wind prices began to stabilise in 2024 as markets mature, although renewables remained the most cost-competitive source of new generation in many regions (IRENA cost analysis, 2024/2025).
- **Milestones:** In 2025 wind and solar generation surpassed coal generation in global electricity output during the first half of the year—a symbolic inflection point for the energy transition. China and India drove much of this growth.

## Policy innovations and regulatory updates (notable 2023–2025)

- **EU RED III (2023):** Raised binding EU renewable target and included accelerated permitting obligations that member states had to transpose into national law by mid-2024—an effort to cut project lead times and unblock deployment.
- **U.S. IRA effects (2022–2025):** Large tax incentives and direct pay/transferability provisions have reshaped investment economics, stimulated domestic manufacturing and anchored multi-year project pipelines. Analysts estimate substantial macroeconomic multipliers and job creation tied to IRA-driven investments.
- **Permitting and grid focus:** Across major jurisdictions there has been growing recognition that permitting bottlenecks and grid constraints—not technology costs—are becoming the binding constraints to faster renewables deployment; policy responses now emphasise streamlined consenting, designated renewables zones and transmission investment. The EU’s permit transposition requirement and national permitting reforms in other countries exemplify this.
- **Hydrogen and emerging sector caution:** While many countries have announced hydrogen strategies and incentives, the IEA reported a substantial slowdown and cancellations in announced low-emission hydrogen projects by 2025—highlighting a gap between policy ambition and project delivery in nascent technologies.

## Comparative strengths and weaknesses of major models

|                     | EU (RED III)                                     | United States (IRA)                          | China                                   | India  |
|---------------------|--|--|---|--|
| Signal-to-investors | Strong regional targets; national variability    | Very strong via long-duration tax credits    | Strong via central planning and scale   | Ambitious targets and auctions; financing constraints remain |
| Speed of deployment | Depends on national transposition and permitting | Rapid where tax credit conditions met        | Very rapid capacity additions           | Rapid, especially solar; grid/transmission upgrades needed   |
| Industrial policy   | Moderate; focus on cross-border markets          | Strong incentives for domestic manufacturing | Very strong — industrial scale-up       | Growing via PLI and manufacturing incentives                 |
| Market integration  | Focus on permitting and cross-border rules       | Market-based but needs grid upgrades         | Grid curtailment issues in some regions | Grid/transmission and storage are key challenges             |
| Risk profile        | Regulatory complexity across member states       | Policy durability depends on politics        | Centralised risk allocation             | Financing and land/permits are key risk areas                |

No single model is universally superior. The EU’s target-driven regulatory approach provides strategic direction and harmonisation but requires strong national implementation. The U.S. fiscal-incentive model delivers powerful near-term deployment and industrial stimulus but requires complementary regulatory and grid reforms. China’s state-led scale model achieves volume rapidly, though integration and market signals can lag. India combines ambitious targets with auction mechanisms, but must resolve grid, land and financing bottlenecks to sustain momentum. Key success factors across models include permitting reform, transmission planning, and stable long-term policy signals.

## Design considerations and lessons learned

1. **Credible, long-term signals reduce financing costs.** Investors value multi-year, predictable policy frameworks (targets or long-lived tax incentives) that reduce revenue uncertainty. Examples: EU binding targets and U.S. IRA tax credits.
2. **Permitting and grid capacity are frequently binding constraints.** As technology costs fall, administrative and network constraints become the primary deployment limit; accelerating permitting and planning for grid expansion materially shortens project timelines.
3. **Policy coherence matters.** Combining procurement mechanisms (auctions), fiscal incentives, grid access guarantees and local workforce development delivers better outcomes than stand-alone instruments.
4. **Design auctions to balance price discovery and bankability.** Poorly designed auctions can lead to underbidding or project failure; including realistic offtake guarantees, developer pre-qualification and indexation mechanisms helps preserve project bankability.
5. **Use conditionality to support socio-economic goals, but calibrate carefully.** Labour, domestic content and environmental standards (e.g., IRA conditionality) can maximise socio-economic benefits but add compliance complexity that must be managed in procurement timelines.
6. **Address nascent technologies with targeted RD&D and staged support.** Hydrogen and long-duration storage need a combination of innovation support, demonstration funding and early market pull while avoiding premature large-scale subsidy that outpaces supply-chain readiness.

## Challenges and risks

- **Policy durability and political cycles:** Large fiscal incentives or targets can be reversed or weakened with political change; durable institutional design (statutory targets, cross-party commitments) helps mitigate this risk.
- **Supply-chain and labour constraints:** Rapid deployment strains supply chains unless complemented by industrial policy, skills development and trade diversification.
- **System integration costs:** Integrating high shares of variable renewables increases ancillary service needs and requires investment in storage, flexible generation or demand response.
- **Equity and distributional impacts:** Policies must address energy affordability, local land use conflicts and equitable distribution of benefits.
- **Greenwashing and accounting integrity:** Credible measurement, reporting and verification (MRV) are necessary for claims linked to renewable procurement, corporate purchasing and international trade in green products.

## Policy recommendations (practical synthesis)

1. **Combine predictable demand signals with streamlined project delivery.** Pair long-term targets or stable tax regimes with one-stop permitting and clear timelines.
2. **Prioritise transmission and system flexibility investments.** Co-plan renewables and grid expansion to avoid curtailment and regional bottlenecks.
3. **Design auctions to protect bankability while encouraging competition.** Include realistic contract lengths, risk allocation and performance bonds.
4. **Support domestic value chains selectively.** Use targeted manufacturing incentives and workforce



Q3 Goals:

- Develop 5 New
- Create Industry Leaders



# Latest Qualification

- Solar Panel Industry Installation
- Renewable Certification Framework
- Geothermal Energy Development

## Environmental Impact Assessor

*SGJ/Q5201*

**Domain:** Sustainability

### Description

The Environmental Impact Assessor evaluates environmental effects of proposed projects to ensure regulatory compliance. Key responsibilities include applying EIA and audit concepts, conducting project screening and public consultations, monitoring baseline environments, and analyzing samples. The role also involves using GIS tools and predictive models, facilitating stakeholder participation, and developing Environmental Management Plans for sustainable project implementation.

### QP Overview

**NSQF Level:** 5

**Course Duration/Training Hours:** 450 Hrs

**Trainee Qualification:** As per Relevant QP

**Entry Age (Years):** Minimum age 20

### Validity Information

**Valid Until:** 08/05/2028

## EV Charging Installation Technician

*SGJ/Q4011*

**Domain:** Sustainability

### Description

The EV Charging Installation Technician qualification provides learners with the knowledge and skills to manage the complete lifecycle of EV charging infrastructure—covering planning, installation, operation, and maintenance. The program includes training in EV science, relevant policies, digital tools like software-based charging and GPS mapping, as well as site readiness and safety protocols. Participants will be equipped to lead teams, ensure efficient station operations, and support the growth of India's EV ecosystem. This Qualification will support EV industries, by providing skilled workers for management of EV charging infrastructure as Charging Point Technician. EV industry has rolled down several EV models in 2Wheeler, 3-Wheeler and 4-Wheeler segments and have already put significant charging infrastructure in many Indian cities.

### QP Overview

**NSQF Level:** 4.5

**Course Duration/Training Hours:** 450Hrs

**Trainee Qualification:** As per Relevant QP

**Entry Age (Years):** Minimum age: 18

### Validity Information

**Valid Until:** 08/05/2028

## Junior Parataxonmist

*SGJ/Q0701*

**Domain:** Sustainability

### Description

The Junior Parataxonmist supports biodiversity conservation through field-based identification, classification, and documentation of flora and fauna. They contribute to People's Biodiversity Registers, implement the Biological Diversity Act, 2002, support Biodiversity Management Committees, and use GIS tools for conservation planning. With knowledge of national and international biodiversity frameworks, they connect scientific data with local conservation efforts to ensure sustainable bioresource management.

### QP Overview

**NSQF Level:** 4.5

**Course Duration/Training Hours:** 480Hrs

**Trainee Qualification:** As per Relevant QP

**Entry Age (Years):** Minimum age: 21

### Validity Information

Valid Until: 08/05/2028

## Soil Pollution Monitoring Specialist

*SGJ/Q6901*

**Domain:** Sustainability

### Description

The Soil Pollution Monitoring Specialist monitors and manages soil health by analyzing composition, quality, and pollution levels. The role includes soil classification, sampling, and data analysis using statistical and GIS tools. Specialists also develop pollution mitigation strategies and promote advanced technologies for sustainable soil and environmental management.

### QP Overview

**NSQF Level:** 5.5

**Course Duration/Training Hours:** 600Hrs

**Trainee Qualification:** As per Relevant QP

**Entry Age (Years):** Minimum age 21

### Validity Information

Valid Until: 08/05/2028

## Circular systems manager

SGJ/Q6501

Domain: Bio-Energy

### Description

The Learner would be appropriately able to carry out market analysis and formulate the business plan for the center. S/He will be able to manage the overall operation of the center and ensure health and safety at the workplace. S/He would ensure compliance of applicable statutory laws, policies and procedures relating to the center. As an elective for Biomass Depot, She/he specialize in overall operations of biomass depot and associated business. As an elective for Compost Yard, S/he specialize overall operations of compost yard and associated business. As an elective for Dry Waste Center, s/he specializes overall operations of dry waste collection center and associated business.

### QP Overview

**NSQF Level:** 6

**Course Duration/Training Hours:** 520

**Trainee Qualification:** Diploma (Government recognized 3 years Diploma in a relevant discipline) with 4 Years of experience in the relevant field OR Post Graduation in relevant discipline, with 1 year of experience in relevant field Or NSQF level 5 certified in relevant job role (e.g. Supervisor Operations and Maintenance Compressed Biogas/Waste to Energy) with 2 years of relevant experience

**Entry Age (Years):** Minimum age 23

### Validity Information

**Valid Until:** 08/05/2028



**Joy & Journey  
Celebrating Together**



Diwali Celebration @SCGJ





**Editor of this Issue**

Daniel P  
Associate Manager -Standards & Research  
Skill Council for Green Jobs

*Follow us on*



[www.sscgj.in](http://www.sscgj.in)



3rd Floor, CBIP Building, Malcha Marg,  
Chanakyapuri, New Delhi - 110021  
Phone: 011-41792866 | Email: [info@sscgj.in](mailto:info@sscgj.in)