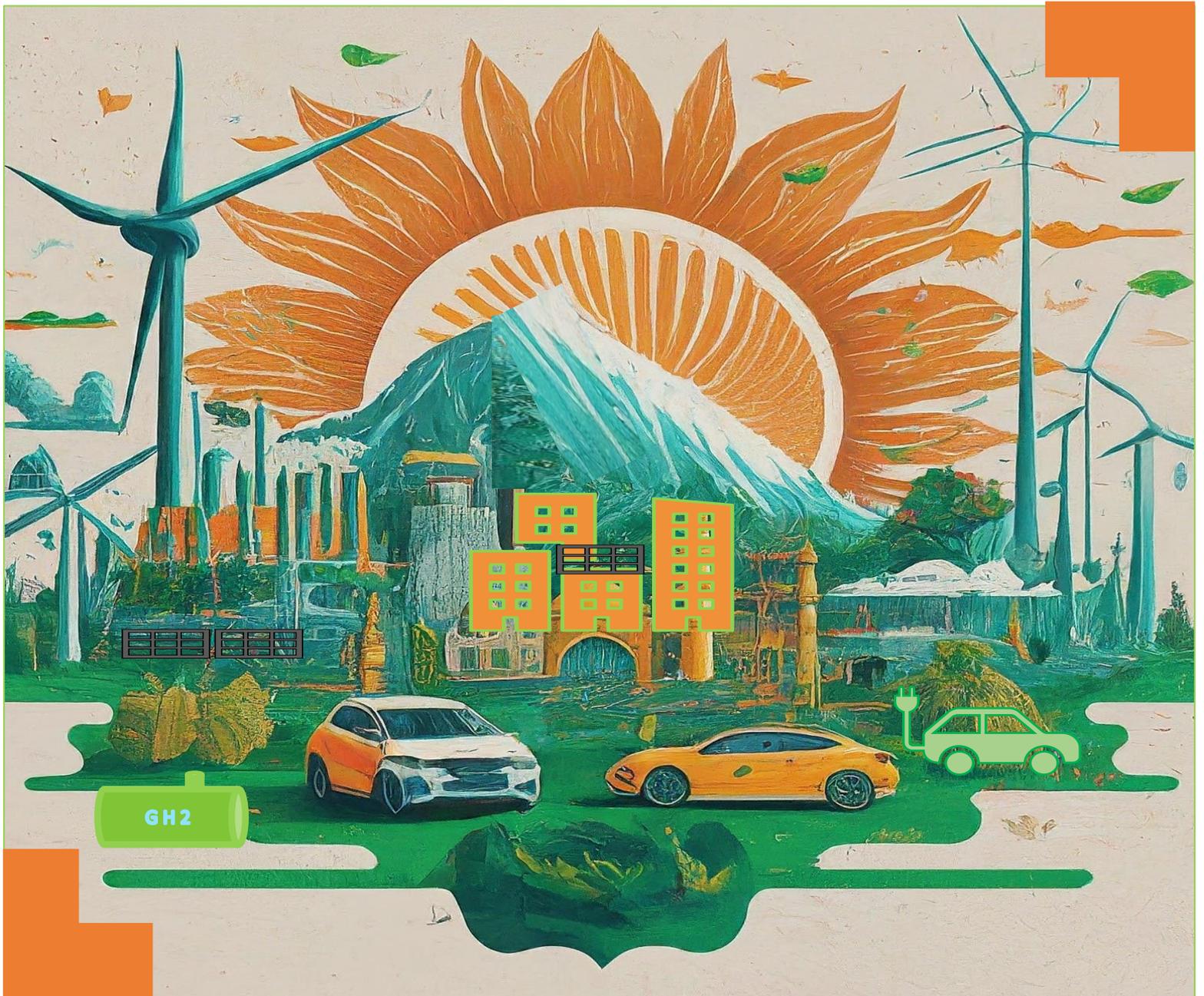




# Skill Council for Green Jobs Annual Report 2023-24



# SCGJ's thematic alignment with SDGs



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# Message from the Chairman

## Vision of SCGJ

**Mr. Sunil Jain**

Chairman, Skill Council for Green Jobs



As India moves steadily toward becoming the third-largest economy by 2030, we are on the path of sustainable growth, driven by the Prime Minister's vision of Atmanirbhar Bharat and a Viksit Bharat. These goals are ambitious but achievable through a focused and collaborative approach across various sectors. The success of the Make in India and Make for the World initiatives has positioned our country well in several industries, including energy, infrastructure, automotive, pharmaceuticals, and defense.

Looking ahead, I am confident that India will demonstrate the same level of progress in the emerging sectors of solar energy, green hydrogen, and electric vehicles (EVs), among others. Recent government initiatives have emphasized a clear agenda for sustainable economic growth. With the government's ambitious target of achieving net-zero emissions by 2070, the pace of investment in green energy has accelerated significantly.

However, the realization of this vision will largely depend on two critical factors: technology and skilled manpower. While the government provides strong policy support, the Skill Council for Green Jobs (SCGJ) plays a crucial role in ensuring that we have the workforce required to meet the demands of a green economy. India's solar module manufacturing capacity is projected to reach 80-100 GW in the coming years, creating an enormous demand for skilled professionals.

We also remain committed to the goal of making India a developed nation by 2047, ensuring inclusive access to education, healthcare, and skills for all sections of the population. India's demographic advantage offers us the opportunity to position the country as the world's skilled capital. Capacity building is essential to this vision. The Hon'ble Prime Minister's announcement of the Pradhan Mantri Surya Ode Yojana, aimed at installing solar rooftops on one crore houses, offers the potential to create millions of jobs and nurture entrepreneurship.

However, this green transition will not be possible without a dedicated focus on skilling. While the SCGJ has empowered over 575,000 individuals in the past eight years and developed qualifications in emerging areas, much more work remains to be done. With India producing 1.5 million engineering graduates annually, only a small percentage find high-quality employment. Industry stakeholders often express concern over the mismatch in skills, signaling a vast opportunity for improvement.

The challenge of a skilled workforce extends beyond manufacturing to project execution, operations, and maintenance in the green energy sector. It is imperative that both industry and government invest in upskilling and reskilling to meet the growing demands of the future. The Skill Council for Green Jobs is prepared to play a pivotal role in this transformation.

Together, let us "Skill for the Right Fit", building a brighter and sustainable future for our country.

**Mr. Sunil Jain**





**Mr. Arpit Sharma became the new CEO on 10th June, 2024, after Dr. Praveen Saxena, CEO-SCGJ along with SCGJ's Current Chairman, Mr. Sunil Jain & Ex-Chairman, Mr. K Krishan**



# Message from the CEO, SCGJ

## Vision of SCGJ

**Mr. Arpit Sharma**

Chief Executive Officer, Skill Council for Green Jobs



As we look back on another remarkable year at the Skill Council for Green Jobs (SCGJ), I am filled with immense pride at the impact we have made in driving India's green energy transition. Our commitment to advancing key sectors, especially Green Hydrogen, Renewable Energy & Waste Management has never been stronger. These areas are at the heart of India's vision for a cleaner, more sustainable future, and our work continues to align with the nation's ambitious goals.

A key focus this year has been the Green Hydrogen Mission, a cornerstone of India's decarbonization strategy. Green hydrogen is poised to play a transformative role in reducing carbon emissions across industries, from energy and transportation to manufacturing. At SCGJ, in association with ICF we have completed a Skill Gap Study across Green Hydrogen Sector which was launched in March 2024 and have initiated several capacity-building programs to develop a skilled workforce that can support this emerging sector. By partnering with industry leaders, government bodies, and higher educational institutions, we are building training modules that will equip India's workforce with the expertise required to harness the potential of green hydrogen, thereby enabling the country to meet its clean energy targets.

In addition, the Pradhan Mantri Surya Ghar Yojna, which aims to increase rooftop solar energy adoption across households, has been a key area of focus for SCGJ. Solar energy is central to India's renewable energy future, and through this initiative, we are committed to training Installation Helpers in the Solar PV domain who will help in the seamless integration of solar PV systems into homes and businesses. Our training programs aim to empower individuals and local communities with the technical knowledge needed to install and maintain solar systems, contributing to energy independence and sustainable livelihoods.

Our Vision 2030 is rooted in these initiatives, focusing on creating a skilled workforce capable of driving the green economy forward. By expanding our skilling efforts in green hydrogen, solar energy, and other critical areas, SCGJ is dedicated to ensuring that India not only meets but exceeds its sustainable development goals.

I would like to thank our partners, stakeholders, and the dedicated team at SCGJ for their tireless efforts. Together, we are building a cleaner, greener, and more prosperous future for India.

**Mr. Arpit Sharma**





**Mr. Arpit Sharma, CEO, SCGJ & Mr. Himal Tewari - CHRO & Chief CSR & Sustainability, Tata Power signed a landmark Memorandum of Understanding (MoU) to advance the GREEN HYDROGEN Trainings across the country.**





## NCVET recognizes Green Jobs SSC as Awarding Body for Green Business and Environment Sector

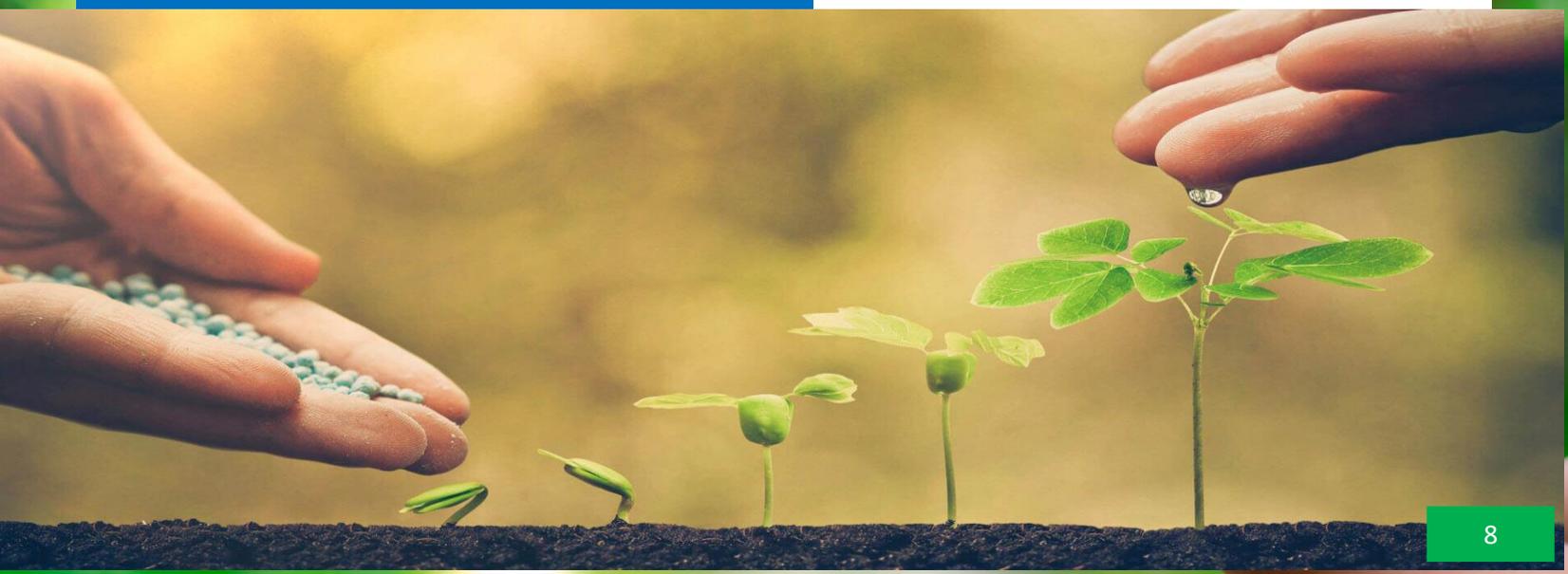
**In Picture:** Dr. Praveen Saxena, C.E.O, SCGJ with Dr. Nirmaljeet Singh Kalsi, Chairperson, NCVET and Col. Santosh Kumar, Secretary cum Director, NCVET

New Delhi | 31<sup>st</sup> May 2022



Skill Council for Green Jobs became one of the first Sector Skill Councils of India to be granted the awarding body status by National Council for Vocational Education and Training, Govt. of India.

SCGJ has been a pioneer organization playing an instrumental role in facilitating the skilled workforce demand of the country to achieve Green Transition, boost Green Business and Sustainable Development Goals.



## Relevant excerpt from Hon'ble Prime Minister, Shri Narendra Modi's address to the nation on the Independence Day of India, 15<sup>th</sup> of August, 2024

On Independence Day, 15 August 2024, Prime Minister Narendra Modi delivered a comprehensive and visionary speech for his 140 crore family members to guide them with a resolution, determination & direction to march together by overcoming every challenge and achieve the goal of a "Vikshit Bharat" by 2047 thereby building a prosperous Bharat. He said we have only one resolve - Nation First. For us, national interest in paramount.

### Green Jobs:

- India's focus is now on green growth and green jobs
- Green jobs are imperative in India's efforts to combat climate change.
- India commits to become a global hub through the Green Hydrogen Mission.
- India was a pioneer in banning single-use plastics and to significantly advance our renewable energy efforts.
- India has been the only country among the G20 nations to meet its Paris Accord goals, ahead of time.
- We have met our renewable energy targets and are ambitiously working towards reaching the target of 500 GW of renewable energy by 2030.
- Government is committed to make its railways a net-zero carbon emitter by 2030.
- Every citizen is behaving responsibly and checking on each other ensure a social change towards clean habits and environment.
- Today, 12 crore families are receiving hygienic tap water, supply through Jal Jivan Mission in a short duration



**PM's Address  
to our Nation  
on the 78<sup>th</sup>  
Independence Day**

### New & Renewable Energy:

- India has achieved more in the renewable energy sector than G 20 Nations collectively.
- India is working hard to become self-reliant in the energy sector.
- The PM Surya Ghar Free Electricity Scheme is set to provide new strength, and its benefits will be felt by the average families in our country, particularly the middle class, when their electricity bills become free. Those who generate electricity from solar energy under the PM Surya Ghar Yojana, can also reduce their fuel costs.
- The demand for electric vehicles is on the rise.

### Skill Development:

- Government is actively taking steps to promote the skill development of our youngsters.
- We have earmarked a huge fund in this year's Budget for Skill India Programme.
- Internships for youth, emphasized in this budget, helps gain experience, build their capacity and showcase their skills in the market.
- Bharat's skilled manpower will make their mark in the global job market. We are moving forward with that dream.



# Hon'ble Prime Minister's address

## Education:

- 75,000 new seats will be introduced in the medical sector in the next 5 years.
- Through the new education policy, we want to transform the current education system in line with the requirements of the 21st century.
- We will revive the spirit of ancient Nalanda University, positioning India as a global education hub by promoting higher learning and research.
- We have to prepare future ready skilled resources in India to meet the expectations of the fast-paced development.
- We want to develop an education system so that the youth of our country don't need to go abroad. Our middle-class families need not spend lakhs and crores of rupees. Not only that, we also want to create such institutions that attract people from abroad to come to Bharat instead.
- India's talent should not be hindered because of language. The strength of the mother tongue empowers even the poorest child in our country to fulfil their dreams.
- 'National Research Foundation' was created, providing it with a legal framework to develop a permanent system that continuously strengthens research.
- It is a matter of great pride that we have decided to allocate one lakh crore rupees for research and innovation in the Budget so that the ideas of our country's youth can be realized.

## Youth Affairs:

- The aim is to train India's youth and become the skill capital of the world.
- 1 lakh youth should be inducted into the political system, specifically those with no history of politics in their families.
- Given the challenges of sustaining an entire family on small plots of land, we are making comprehensive efforts to equip the youth with the skills needed to secure new jobs and create additional sources of income.

## Women & Child Development:

- We have launched the National Nutrition Mission with special focus on the first generation of Viksit Bharat.
- 10 crore women have become a part of women self-help groups in the last decade.
- Women become guarantors and custodians of social transformation when they are financially empowered.
- One crore mothers and sisters joined women self-help groups and are becoming 'lakhpati didis'.
- Funds allocated to women self-help groups will be increased from 10 lakhs to 20 lakhs.
- Till date, a total of nine lakh crore funds has been channeled via banks to these self-help groups.
- The paid maternity leave was extended from 12 weeks to 26 weeks for working women by our Government.
- Women are taking on leadership roles. Today, in many areas—be it our defence sector, the Air Force, the Army, the Navy, or our space sector—we are witnessing the strength and capabilities of our women.
- As a society we should seriously dwell upon the atrocities being meted out to our mother, sisters and daughters.
- Crimes against women should be investigated without any delay. Those committing such demonic acts must be booked prima facie to reinstate the trust on the government, judiciary and civil society.
- The need of the hour is that there should be a wide discussion about the criminals who get punished so that even those who commit such sins fear the consequences including hanging to death. I feel that it is very important to create this fear.
- India must tread the path of "Swasth Bharat".

## Tribal Affairs:

- Youngsters, farmers, women and tribals, everyone fought continuously against slavery.
- We are leaving no stone unturned to ensure that the benefits of PM Jan Mann schemes reach each of tribal brethren at various remote settlements in villages, hills and forests.
- As we approach the 150th birth anniversary of Bhagwan Birsa Munda, let us draw inspiration from his legacy.

## Finance:

- India is proud of its success in the 'Fintech' sector.
- We have successfully doubled the per capita income of individuals.
- We have made significant strides in setting new records in employment and self-employment
- Strong banking system becomes the greatest strength to meet the needs of the common poor, especially middle-class families. Banks are the biggest support for our MSMEs.



## Hon'ble Prime Minister's address

- Development of modern infrastructure & Ease of Living should be focused to catapult our economic growth and development.

### Commerce and Industry:

- “Vocal for Local” has become a new mantra for economic development.
- “One District One Product” is the new wave now.
- Bharat will become an industrial manufacturing hub and the world will look up to it.
- We must embrace the call of “Design in India” and move forward with the dream of “Design in India and Design for the World.”
- State governments should establish clear policies to attract investments, offer assurances of good governance, and ensure confidence in the law-and-order situation.
- India's commits to become a global leader in semiconductor production
- India must leverage its rich ancient legacy and literature to come up with Made in India gaming products.
- Indian standards should aspire to become international benchmarks.
- Bharat's contribution to global growth is substantial, our exports are continuously rising, our foreign exchange reserves have doubled, and global institutions have increasingly placed their trust in Bharat.
- We are proud that our toy industry has also become a name to reckon with in the global market. We have started exporting toys.
- There was a time when mobile phones were being imported, but today India has a large hub of manufacturing ecosystem of mobile phones and we have started exporting them all over the world. Such is the prowess of India.

### Agriculture & Farmers' Welfare:

- Transformation in the agriculture sector is the crucial need of the hour.
- I am grateful to all the farmers who have chosen the path of natural farming and taken a resolve to serve our Mother Earth.
- Substantial schemes with significant provisions were introduced in this year's budget to promote and support organic farming.
- We must strengthen the nutrition of the world and also support the small farmers of India.
- India and her farmers have the potential to create a global food basket of organic food.
- Sixty thousand 'Amrit Sarovars' (ponds) have been revived and replenished.

### General:

- Every citizens dream and resolution is evident in the commitment of Vikshit Bharat 2047.
- Our patriotic zeal and faith in democracy have become an inspiration for the world.
- We have moved from the stale status-quo mindset to one of growth and reforms.
- Our path of reforms has become a blueprint for growth.
- This is a 'Golden Era for Bharat' in terms of opportunities, despite gloomy global conditions.
- We must not let this opportunity slip away. If we seize this moment and move forward with our dreams and resolutions, we will fulfil the nation's aspirations for a 'Swarnim Bharat' (Golden India) and achieve our goal of a developed Bharat by 2047.
- A new and modern system is being established in every field, be it the tourism sector, MSMEs, education, healthcare, transport, agriculture, or the farming sector.
- We aim to advance in line with our country's unique conditions while adopting the best practices from around the world.
- Every sector requires modernization and innovation, with an emphasis on integrating technology.
- Less government interference in the lives of ordinary citizens is an important part of our vision of Viksit Bharat 2047.
- At least two annual reforms in each of the 3 lakh institutions operating across the country are mandated, then it could result in around 25-30 lakh reforms annually leading to increased confidence of common man.
- Our aim is to accelerate progress in every sector, focusing on three key areas. Firstly, we must create new opportunities across all sectors. Secondly, we should work towards strengthening the supporting infrastructure required for evolving systems. And thirdly, we must prioritize and enhance the basic amenities for our citizens.
- Natural catastrophes are becoming a huge cause of concern for us.
- Compassion is central to our approach. We are moving forward with both equality and compassion at the core of our work.
- We are here to serve each of you, every family and every region.



## Hon'ble Prime Minister's address

- I assure you all that we have to move forward to new heights, with a new zeal.
- We are from a culture of seekers of new knowledge and resilience; the go-getters who relentlessly aspire for higher achievements.
- We want to scale newer heights of development and we wish to inculcate this habit among our citizens.
- There is a certain section of people who cannot think beyond their own welfare and do not care about the well-being of others. Such individuals, with their distorted mindset, are a concern. The country must avoid these people, who are mired in despair.
- I want to assure my fellow citizens that with our good intentions, integrity, and dedication to the nation, we will win over even those who oppose us.
- I want to create an environment of fear for the corrupt, so the tradition of looting the common citizen comes to an end.
- It is crucial for citizens to focus on the duties enshrined in the Constitution as we celebrate 75 years of our Constitution.
- The responsibility of abiding by the duties extends beyond just the citizens to various institutions of the country.
- When we all fulfil our responsibilities collectively, we naturally become guardians of each other's rights.
- Dynastic politics and casteism are causing significant harm to the democracy of Bharat.
- We are becoming self-reliant in the defence sector. India has gradually emerged and is establishing itself as an exporter and manufacturer of various Defence Equipment. 140 crore Indians today feel proud and confident of episodes of valour of our armed forces.
- I want to convey to such forces (external challenges) that the development of Bharat does not mean a threat to anyone.
- Optical fibre networks have already been installed in two lakhs Panchayats.
- India is already working in mission mode for 6G and we shall surprise the world with our progress.
- Space sector is opening up a new future for us.
- G20 was held in a grand manner.
- Four crore pukka homes have given a new lease of life to the poor.
- Three crore new homes have been promised in an effort to further this national agenda.
- We have only one resolve – Nation First. For us, national interest is paramount.



**Full Speech**



## Introduction

India's ambitious goal to become energy independent by 2047 and highlights the ongoing "Mission Circular Economy," with the National Hydrogen Mission aiming to make India a global hub for green hydrogen production and export. The country is steadily transitioning toward clean energy, creating numerous opportunities in green growth and jobs, particularly for startups and youth.

The Skill Council for Green Jobs (SCGJ) is at the forefront of these efforts, working to strengthen its technical capabilities by developing nine new qualifications in areas such as Solar EV Charging, Solar Cold Storage, Rainwater Harvesting, Green Hydrogen, and Solar PV Cell Manufacturing, all approved by the National Council for Vocational Education and Training (NCVET). SCGJ has trained over 1,000 trainees across four qualifications related to solar cold storage and EV charging infrastructure under a UNDP project. It has also conducted six training batches for more than 700 participants from 30 countries in collaboration with the International Solar Alliance (ISA), focusing on Scaling Solar Applications for Agriculture Use.

In partnership with various organizations, SCGJ has implemented several CSR projects, including the setup of grid-tied Solar PV plants in government hospitals in Delhi, supported by SBI Card, and vocational skill development in renewable energy for students aged 15-18 across government schools in Gujarat, supported by the World Bank. The organization has also collaborated with Redington Ltd. to skill 500 unemployed youth in Maharashtra and Karnataka, focusing on green energy.

A significant achievement for SCGJ is its partnership with the German solar industry, which led to an MoU aimed at skilling, training, and employment in the solar energy sector. This collaboration is expected to create substantial employment opportunities as India moves towards a green, climate-resilient economy. SCGJ emphasizes that developing a skillful workforce with forward-looking approaches is essential for India's successful green transition, which includes green technologies, clean energy practices, and new business models. As part of its commitment to this vision, SCGJ aims to address the skill gap by ensuring quality training across the country through a strong network of trainers and training partners.

The government has introduced transformative measures, such as the National Education Policy (NEP) 2020 and the National Credit Framework (NCrF), to bridge the gap between education, skilling, and industry requirements. SCGJ has incorporated these guidelines across all its initiatives and qualifications to ensure learners' holistic development in green skills.

SCGJ has conducted various studies to understand the green job landscape, such as the Green Jobs Landscape Mapping study with J.P. Morgan and Sattva Consulting. This study provided insights into green jobs, skilling priorities, and India's journey toward equitable green growth. SCGJ has also implemented CSR-funded projects, including a rooftop solar project supported by SBI Card and a biomass aggregation training program supported by HPCL, which enhances the skills of farmers and stakeholders in sustainable practices.

Looking ahead, SCGJ is establishing the International Academy of Green Energy to enhance its training capabilities for advanced green skills. The organization's Vision 2047 aims to create 30-35 million green jobs and conduct over 10 million skills trainings across sectors like green hydrogen, energy storage, biomass, and EV charging. In the shorter term, SCGJ aims to facilitate one million short-term trainings by 2030, establish centers of excellence, and certify thousands of trainers to build a skilled workforce for the green economy.

SCGJ's efforts align with global initiatives like COP 28, where discussions on green finance and the operationalization of the Loss and Damage Fund emphasized the need for sustainable investments.

As India continues its journey toward a net-zero economy by 2070, SCGJ remains dedicated to building a skilled, sustainable workforce, driving the transition to green energy, and fostering a culture of continuous learning and innovation in the green business sector.



# Key Sectors covered under SCGJ

Renewable Energy	Environment, Forest & Climate Change	Sustainable Development
<ul style="list-style-type: none"> <li> 1. Solar (PhotoVoltaic)</li> <li> 2. Wind</li> <li> 3. Small Hydro</li> <li> 4. Energy Storage</li> <li> 5. Bioenergy: Biomass Power Generations, Biofuels, Biogas &amp; Bio CNG</li> <li> 6. Clean Cook-Stoves</li> </ul>	<ul style="list-style-type: none"> <li> 7. Solid Waste Management                             <ul style="list-style-type: none"> <li>• Municipal</li> <li>• Agricultural &amp; Animal Husbandry</li> </ul> </li> <li> 8. Waste Water &amp; Water Management                             <ul style="list-style-type: none"> <li>• Sewage Treatment</li> <li>• Rain Water Harvesting &amp; Micro - irrigation</li> </ul> </li> <li> 9. E-waste Management</li> <li> 10. Carbon Sinks                             <ul style="list-style-type: none"> <li>• TBO Oil-seeds</li> <li>• Under Agro - Forest + Plantation</li> </ul> </li> <li> 11. Eco-Tourism</li> </ul>	<ul style="list-style-type: none"> <li> 12. Green Hydrogen</li> <li> 13. Green Construction                             <ul style="list-style-type: none"> <li>• Green Buildings</li> <li>• Green Campuses</li> </ul> </li> <li> 14. Green Transportation                             <ul style="list-style-type: none"> <li>• Electric Vehicles</li> <li>• Bio-Fuels Vehicles</li> <li>• Bio-CNG Vehicles</li> </ul> </li> <li> 15. Pollution Prevention &amp; Control</li> </ul>

The Skill Council for Green Jobs (SCGJ) celebrated remarkable achievements at the prestigious World Skills 2024, held in Lyon, France, in September. Competing in two key categories—Renewable Energy and Water Technology—SCGJ secured a bronze medal in the Renewable Energy category and a Medallion for Excellence in Water Technology. These successes showcased India’s rising expertise in green technologies on a global platform and reflected SCGJ’s continuous dedication to driving skill development in sustainability sectors.

SCGJ’s vision to 2047 is that the shift to clean energy in India will result in 30-35 million additional jobs created across a number of sectors by 2047, and over 10 million skills trainings and job facilitations will be undertaken. The sectors deemed to have the highest potential for job creation include: green hydrogen, energy storage, hybrid renewable systems, biomass/biofuels, EV charging, pollution control, e-waste management, and decarbonization of energy intensive industries, etc. In the shorter-term, to 2030, SCGJ aims to facilitate one million short-term trainings in clean energy and green technologies, two million virtual or blended upskilling and reskilling training across all sectors, establish 20 centres of excellence across India along with 750 affiliate training centres, and create 7500 certified trainers.

## Achievements of SCGJ

	<p><b>11</b> Skill Gap Studies Undertaken by SCGJ</p>	<p><b>77</b> Qualifications Developed by SCGJ</p>	<p><b>4717</b> Trainers Certified by SCGJ</p>
	<p><b>756</b> Assessors Certified by SCGJ</p>	<p><b>5.5 lakh+</b> Candidates Trained &amp; Certified by SCGJ</p>	<p><b>1,00,000+</b> Green Jobs facilitated PAN INDIA by SCGJ</p>



# SCGJ Goal and Vision 2047

## Renewable Energy Projections by 2047

- 1,125 GW**  
Installed RE Capacity
- 50 GW<sup>1</sup>**  
Equipment Manufacturing Capacity
- 2.5 bn. tonnes<sup>2</sup>**  
Emissions Averted
- 67%<sup>3</sup>**  
Share of RE in Electricity Generation
- ₹ 50-60 Lakh Cr.<sup>4</sup>**  
Total Investment
- Top 1000 Corporations<sup>5</sup>**  
All energy requirement met through RE

Allied technologies including electrolysers, energy storage, EVs, biofuels processing units etc. to further expand manufacturing capacity and attract additional investments

**1.** Indicated annual capacity to manufacture power generation equipment (solar PV modules, wind turbines) to meet 100% of new-build of domestic demand plus 20% capacity designated for equipment exports **2.** Based on a CO<sub>2</sub> emissions factor of 0.8 kg/kWh, annual CO<sub>2</sub> emissions abated by 3,153 BU of RE generated by 2047 as per CEA estimates **3.** RE share in installed generation capacity is projected to be ~85% **4.** Based on KPMG analysis **5.** To include top 1000 companies (PSUs, private, international companies in India) by revenue from Indian operations MNRE Vision 2047

## Job Projections in Green Business

The Green Energy and Energy Independence vision of Government of India translates into a huge opportunity for Additional Job Creation in multiple cross cutting sectors.

The Green Business Sectors include Renewable Energy, Water and Waste management, Green Buildings, Smart cities, Green Transportation, Circular Economy and resources & energy efficiency across sectors.



The initial estimates indicates that about



**3 - 3.50 crore additional jobs will be created across sectors by 2047**

## SCGJ Goal 2030

**10 Lakh**  
Short term trainings in clean and Green Technologies

**20 Center of Excellence**  
PAN India

**7500**  
Certified Trainers

**20 Lakh**  
Virtual, blended mode, market mode upskilling and reskilling trainings across all sectors.

**750**  
Affiliated Training Centers

## SCGJ Vision 2047

- Every Job role will contribute in the **Green Energy Transition.**
- Green Energy will be **part of every house hold and Industry.**
- Traditional Job roles will be superimposed with **new, green and future technologies.**
- **Unlimited job opportunities** and need of upskilling based on new technological advances.
- 3 - 3.50 crore additional jobs will be created across sectors by 2047
- **Over 1.00 crore skill trainings and job facilitation**



# Future Outlook of SCGJ

## Skilling & Entrepreneurs Development

SCGJ intends on implementation of Skilling & Entrepreneurs Development related trainings with a focus on Sustainable Cities, under “Green Business” Framework in all Smart Cities. The initial program will encompass all Green Businesses relevant to sustainable development of cities, including but not limited to Energy, Waste, Water, Green Buildings & Green Transport.

## Training on Carbon Neutral Processes

Introduce customized training modules on Carbon Neutral processes for every manufacturing job role.

## Partnerships to Upskill Existing Workforce

SCGJ to work more closely with Industry for upskilling of existing workforce including on greening the jobs by introducing energy and material efficiency and waste management.

## Partnerships with Educational Institutions

Provide increased focus on skill training with educational institutions with localized training contents on recycling / upcycling, green mobility, emissions reduction practices, entrepreneurship development through technology sharing and flexible financial products, etc.

## Adopt Global Best Practices

Identify globally adopted best practices on zero emission processes for large scale production units, SMEs, Industrial clusters, farm practices, etc.; develop training modules & delivery platforms.



# Governing Council of SCGJ



MINISTRY OF  
SKILL DEVELOPMENT AND  
ENTREPRENEURSHIP



MINISTRY OF  
NEW AND RENEWABLE ENERGY



Transforming the skill landscape



Confederation of Indian Industry  
125 Years - Since 1895



PHD CHAMBER  
OF COMMERCE AND INDUSTRY



**NSEFI**  
MAKING SOLAR ENERGY AFFORDABLE



**S E P A** Sustainability &  
Energy Practitioners  
Association



**ReNew**  
POWER

**TATA**  
TATA POWER

**एनटीपीसी**  
**NTPC**

**adani** | Solar

**Reliance**  
New Energy Solar Ltd

**TÜVRheinland**<sup>®</sup>  
Precisely Right.

**JAKSON**

**HeemSol**  
Energy

**CVC**  
Capture Value Creation

**ib SOLAR**<sup>™</sup>  
Switch to SOLAR for  
a Brighter Tomorrow

Life Is On | **Schneider**  
Electric



# Activities of SCGJ during 2023- 2024

## The Year at a Glance

The year 2023 - 24 was an year for SCGJ greatly tilted towards International activities and engagement with bilateral and multilateral organizations. SCGJ has built on its past experience of online trainings Nationally as well internationally.

Skill Council for Green Jobs is about to complete 9 years of its operations. Apart from skill trainings to over 5.61 lakh candidates through its training partners, SCGJ has been focusing on the quality of training and improving training material, by taking help from its Industry partners and also from the bilateral and multilateral organizations. One of SCGJ's distinctive initiatives over the past few years has been having international specialists upgrade the knowledge and abilities of its certified trainers. To enhance the standard of its training, it has partnered with the WHO, FCDO (the former DFID), UNDP, GIZ, USAID and others.

SCGJ, in association with GOODWE, organized a "Transformative Training and Competition on Solar Project Installation" at the India Habitat Centre, New Delhi. This event provided participants with the opportunity to enhance their skills in the field of renewable energy and compete for recognition in solar project design and implementation.

SCGJ has successfully conducted 20 workshops dedicated to Biomedical Waste Management (BMW) across hospitals in Jaipur, Alwar, and the Delhi NCR region. These workshops were tailored to cater to the diverse needs and roles of staff members within these healthcare facilities. By providing comprehensive training to staff at various levels, SCGJ aims to enhance their understanding of BMW management practices and equip them with the necessary skills to implement sustainable and safe procedures. This initiative contributes to the overall improvement of healthcare facilities' environmental performance and the protection of public health.

Under the National Green Hydrogen Mission (NGHM), SCGJ played a pivotal role in promoting the development of green hydrogen technology. The organization conducted comprehensive skill gap studies to identify the specific training needs of individuals involved in the green hydrogen value chain. This assessment provided valuable insights into the existing skill levels and identified areas where capacity building was required. SCGJ organized a specialized workshop on green hydrogen. This workshop served as a platform to educate and train a wide range of participants, including industry professionals, researchers, policymakers, and students. The workshop covered various aspects of green hydrogen production, storage, transportation, and utilization. In collaboration with USAID and GIZ, SCGJ ensured that the workshop was informative and engaging. Renowned experts and industry leaders shared their knowledge and experiences, providing valuable insights into the latest advancements in green hydrogen technology. The workshop also facilitated discussions and networking opportunities among participants, fostering collaboration and knowledge exchange. By conducting skill gap studies and organizing workshops, SCGJ contributed significantly to the development of a skilled workforce capable of driving the green hydrogen revolution in India. These initiatives aligned with the broader goals of the NGHM and promoted the adoption of sustainable and clean energy solutions.

Green Hydrogen Entrepreneurship Masterclass was jointly organized by Skill Council for Green Jobs (SCGJ), GH2 Solar, a Green Hydrogen developer, and National Solar Energy Federation of India (NSEFI) at India International Centre, New Delhi. The objective of the two days industry supported training event was to equip about 30 participants with the necessary knowledge, skills, and competencies to excel as entrepreneurs in the dynamic realm of green hydrogen. A range of industry experts along with Master Trainers delivered the key sessions which covered important insights on technology, policy, financing, regulations and evolving market dynamics of Green hydrogen and its derivatives. Various current & emerging business models suitable for green hydrogen/ green ammonia ventures along with the Contractual agreements for green hydrogen and its derivatives were also highlighted. In addition, case studies of some operational projects were also showcased and emerging entrepreneurial opportunities across the value chain were outlined.



# Activities of SCGJ during 2023- 2024

Green Hydrogen Entrepreneurship Masterclass was jointly organized by Skill Council for Green Jobs (SCGJ), GH2 Solar, a Green Hydrogen developer, and National Solar Energy Federation of India (NSEFI) at India International Centre, New Delhi. The objective of the two days industry supported training event was to equip about 30 participants with the necessary knowledge, skills, and competencies to excel as entrepreneurs in the dynamic realm of green hydrogen. A range of industry experts along with Master Trainers delivered the key sessions which covered important insights on technology, policy, financing, regulations and evolving market dynamics of Green hydrogen and its derivatives. Various current & emerging business models suitable for green hydrogen/ green ammonia ventures along with the Contractual agreements for green hydrogen and its derivatives were also highlighted. In addition, case studies of some operational projects were also showcased and emerging entrepreneurial opportunities across the value chain were outlined.

The activities of the Skill Council have been broadly categorized under following heads:

 Occupational Mapping	 Skill Gap Analysis	 Develop NSQC Approved Qualifications
 Affiliate TP & Accredit AA	 TOT & TOA	 Training & Certification
 Create Centres of Excellence	 Improve Industry Linkages	 Provide Consultancy

## Skill Gap Studies:

- SCGJ in partnership with Sattva Consulting and with support from J.P. Morgan implemented a study on Green Jobs landscape which aimed to identify Big Bet initiatives that can address skills needs to set the pace for India’s green growth. The study identified employment potential in the green economy and the catalytic role that philanthropy can play in addressing skills needs while ensuring equitable access to green jobs. The study estimated that up to 35 million green jobs will be created by 2047 across emerging and traditional sectors such as renewable energy, green hydrogen, waste management, electric vehicles, sustainable textiles and green construction. The detailed findings were released through a report titled “Gearing Up the Workforce for a Green Economy” during May 2023. (<https://sscgj.in/wp-content/uploads/2023/05/Skills-Landscape-for-Green-Jobs-Report.pdf>)
- The USAID and Skill Council for Green Jobs had instituted a Skill Gap Study on the entire value chain of Green Hydrogen. The study conducted by ICF New Delhi. The report dives into the realm of skilling for green hydrogen, navigating the complexities of fostering a proficient workforce in this rapidly evolving sector in the country. The report is a comprehensive guide in cultivating a pipeline for skilled workforce in India's green hydrogen industry. From identifying skill gaps to proposing tailored training programs, it offers practical recommendations to meet the evolving demands of this sector. ([https://sscgj.in/wp-content/uploads/2024/06/GH2-Skill-Gap-report\\_MSDE.pdf](https://sscgj.in/wp-content/uploads/2024/06/GH2-Skill-Gap-report_MSDE.pdf))



# Activities of SCGJ during 2023- 2024

## CSR and other Funded Projects:

### WHO Supported Project:

WHO is currently supporting SCGJ in implementing a project which aims to develop electronic self-learning modules for training of all the levels of healthcare staff (Doctors; Nurses/ Paramedics/ Technicians; Ward boys/ Class IV employees).

The key objectives of the project are developing a training resource on BMW to bridge the knowledge gap in the healthcare sector and increase the compliance of BMW Rules 2016. Designing electronic self-learning modules for training of all the levels of healthcare staff (Doctors; Nurses/ Paramedics/ Technicians; Ward boys/ Class IV employees) and making organizational tie-ups to host this module on various platforms for increased visibility, dissemination, and use.

SCGJ made a significant progress and developed a draft e-learning modules (SCORM compliant) on biomedical waste management for Ward boys/Class IV Employees.

### GIZ Supported Project:

GIZ engaged Green TVET Expert of SCGJ for compiling a baseline desk study on the existing green skill development programme in India under Indo-German Programme for Vocational Education and Training (IGVET) which aims to address the challenge of integrating over 250 million young people into India's labor market in the next 15 years. Inspired by the successful German VET model. IGVET promotes a demand-driven vocational education and training system involving private enterprises. SCGJ made a progress and identified sector wise list of all potential job roles focusing green skills among the 36 Sector Skill Council in India. SCGJ also identified various curriculum of Directorate General of Training and Skill Universities focusing green skills. On the next step, SCGJ is identifying various institutions offering these courses across the country.

### SBI Card Supported Project:

SCGJ had received CSR Project funded by SBI Card to install Rooftop Solar power plant of cumulative capacity of 750 kW under phase manner. During the first phase of execution, installation was done at two of highly occupied hospital in Delhi at Madan Mohan Malviya Hospital (120 kW) and at Safdarjung Hospital (180 kW). Under the phase –II installation was proposed and subsequently completed at Civil hospital sec-10 and at Govt. College of Girls sec -14 in Gurugram.

The project aimed to encourage use of clean energy and bring sustainable practice in Hospital and College. In order to make the hospital green and clean and promote the clean energy technology and gradually reduce the reliance from utility grid for their power consumption.

### TISA Project:

Under the ambit of Indo-German Energy Programme, GIZ, on behalf of BMZ is supporting MNRE with a new project titled New & Innovative Solar Areas (INSolar). Under this project, GIZ is exploring potential of new and innovative solar applications across India, along with focus on policy support, R&D collaborations, solar atlas, support to solar cities and creating marketing instruments for further adoption. Therefore, the Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH is supporting the project "Trainings in new and Innovative Solar applications" which is part of the project "New & Innovative Solar Areas (INSolar)". This project is jointly implemented by SCGJ and EY focussing on New Innovative Solar Areas relating to four packages of services: (1) Capacity building workshops, (2) National level study tours, (3) Conferences and Panel Discussions, and (4) E-Learning platform development. The project will be implemented till June 2025. As of now, SCGJ conducted 7 Green Hydrogen workshop across country and drafted content on Green hydrogen and floating solar on technologies, market, policy and resources. The project is aiming to the industries practicing solar applications.



## Activities of SCGJ during 2023- 2024

### Hindustan Petroleum Corporation Limited Supported Projects:

SCGJ is implementing a project supported by Hindustan Petroleum Corporation Limited training on Agri-residue Aggregation and Biomass Depot operation. The objective of training is to strengthening Biomass Supply chain to CBG Plant at Budaun, UP to ensure proper storage and availability of the biomass feedstock to the Compressed Biogas Plant is located at Village Sainjani, Tehsil Dataganj, District Budaun, Uttar Pradesh, with design capacity of 100 Tons/day processing of biomass, which will produce approx. 14.25 MT/day of CBG and approx. 65 MT/day of organic manure. The plant is consuming approx. 40,000 MT of paddy straw annually which needs to be supplied on a sustainable basis. Under the project, SCGJ trained 4 Trainers from M/s Bio Trend Energy, Delhi on both the job roles of Agri-residue Aggregator and Biomass Depot Operator for training the farmers identified under the above project. A total of 21 training were organized for 777 Farmers/Aggregators which included about 124 women farmers spread over in different villages in 5 Districts viz. Bareilly, Budaun, Pilibhit, Shahjahanpur and Hardoi which were identified by HPCL as the sources of the biomass for their supply chain. Representative from M/s New Holland, manufacturers of the Balers and M/s Praj industries, the technology developers were also participated in most of the trainings.

### UNEP supported Project:

Project Surya,' was a unique energy inclusion initiative, underway in rural Gujarat to help women from the informal sectors to leapfrog into the modern clean energy industry. This program was implemented by the United Nations Environment Program (UNEP). Under this initiative, the pilot project was executed to train 1000 salt pan workers from the Rann of Kutch on installing solar power plant and solar pump across SEWA training centers facilities in the state with technical training being provided under the aegis of Skill Council for Green Jobs. This project was funded by ReNew, India's leading clean energy company, under its CSR umbrella.

### Entrepreneurship Program:

SCGJ is now focusing on developing an Entrepreneurship program around all its major qualifications including solar energy, solar power projects, solar water pumping, waste management, Bio Energy ,Green Hydrogen etc. This activity is proposed to be enhanced during the year 2023-24 with about 10-12 Entrepreneurship development programs.

### UNDP Project on Green Electric Vehicle Charging Infrastructure and Solar Cold Storage:

UNDP has awarded to Skill Council for Green Jobs a project titled 'Development of 4 nos. of qualification packs and Skilling 1000 persons on Green Electric Vehicle Charging Infrastructure and Solar Cold Storage'. As part of this project 4 qualifications on advanced and basic qualification for both Solar cold storage and Solar EV charging infrastructure have been developed by SCGJ and approved by NCVET. The project aims to train and certify 1000 trainees across 5 qualifications on PV Installer (Suryamitra), Solar cold storage and Solar based EV charging infrastructure.

### Redington Supported Trainings:

The project awarded to Skill Council for Green Jobs (SCGJ) under the CSR funding from Redington Foundation was for developing the skills of youth in "Optimum design of Solar PV power plants" to improve their employability and entrepreneurship opportunities in the Green Energy sector. The project aimed at skill training programme and was focused to increase the capability of unemployed fresh Engineering and Science graduates and diploma passed candidates through 300 hours of technical trainings in Solar PV designer and Entrepreneurship course. Built on the survey and analysis conducted by SCGJ for the skill gaps in solar sector to gauge the awareness levels of the trainees and professionals on the solar domain. SCGJ has developed and deployed a skill training model for imparting employability skills training to the unemployed Indian students between 19 & 30 years of age. The aim was to train under privileged students, with a family income of INR 5- 7 lakhs, to become independent and competent solar professionals. In this pilot project the geographical focus areas were the States of Karnataka & Maharashtra.

SCGJ trained and certified 55 candidates, out of which 45 have got placed in Solar companies.



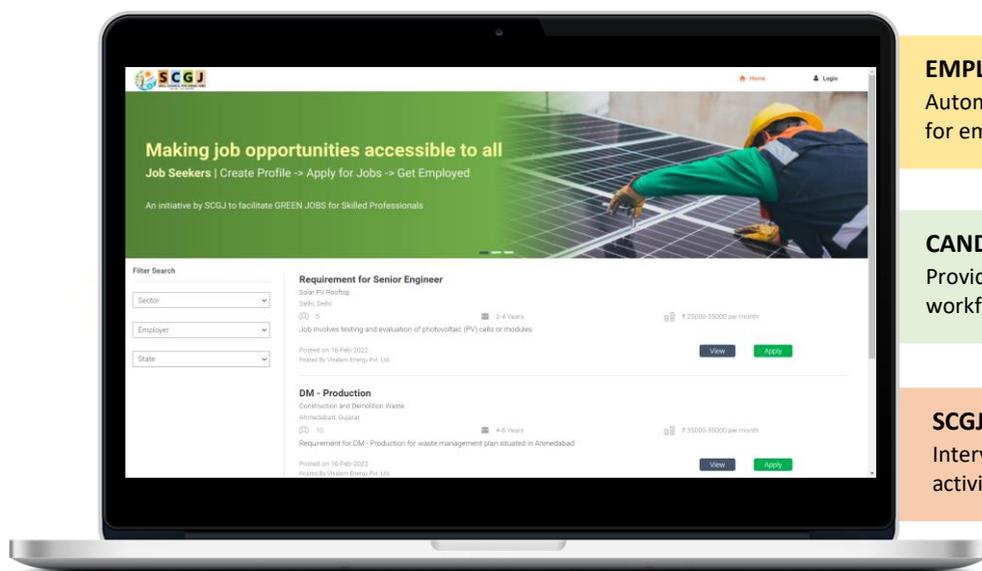
# Activities of SCGJ during 2023- 2024

## SCGJ Rozgar Portal (<https://www.scgjrozar.in/>)

SCGJ Rozgar Portal is a unique technology intervention which makes job opportunities for skilled professional in green energy sector accessible by connecting them with coveted employers across India.

This technologically advanced solution is the brainchild of Skill Council for Green Jobs, which automates the entire talent acquisition process for employers, provides job opportunities to skilled workforce and help SCGJ make necessary interventions in Skill development activities to meet industry needs.

On this platform employers create and publish the job post, monitor/track job applications while the candidates can register, apply for the job and track their application.



### EMPLOYER

Automates talent acquisition process for employers



### CANDIDATE

Provides job opportunities to skilled workforce in green energy sector

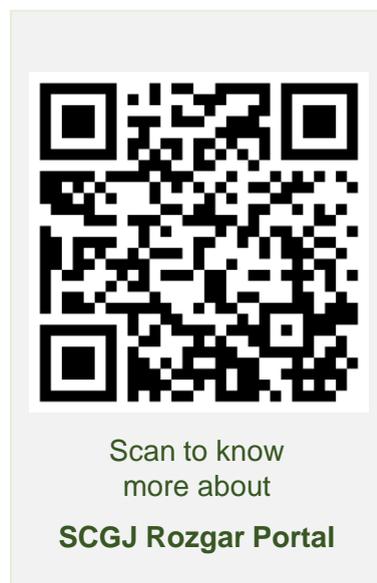
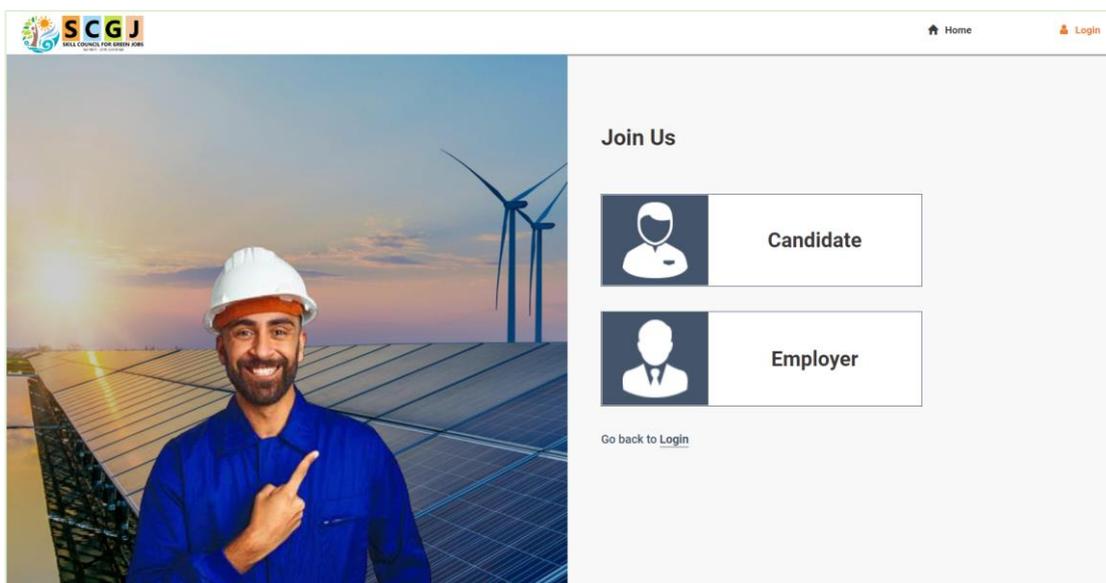


### SCGJ ADMIN

Interventions in skill development activities to meet industry needs



Rozgar Portal will support SCGJ mission to provide **10 Lakhs Jobs by 2030**



# For Industry Benefit:

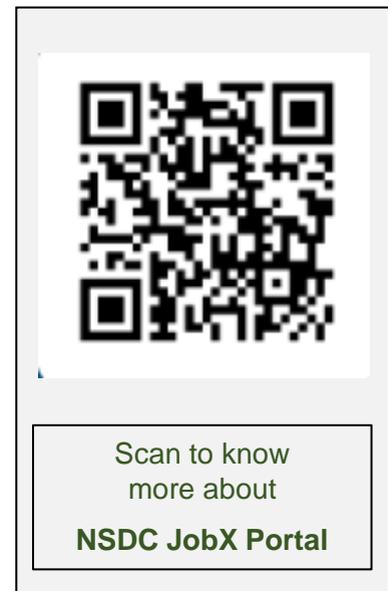
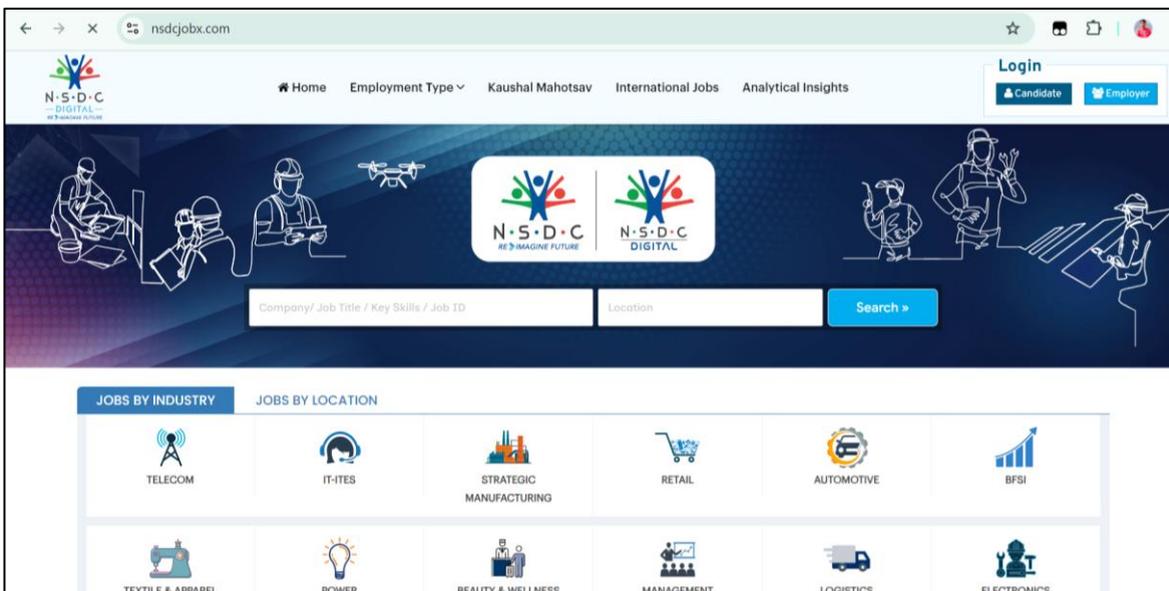
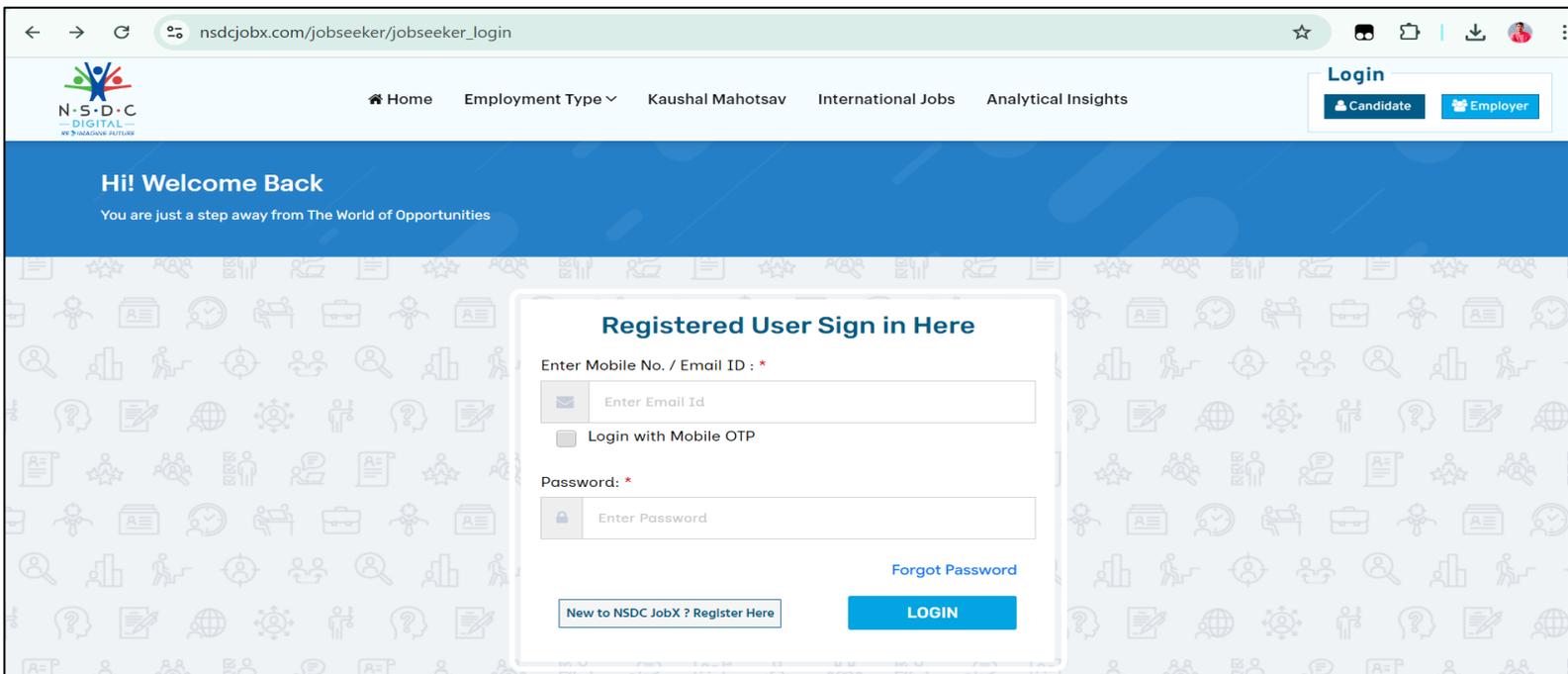
## NSDC JobX:

NSDC JobX is a comprehensive online platform designed to connect skilled individuals with potential employers. As a part of the National Skill Development Corporation (NSDC), it aims to bridge the gap between the demand for skilled professionals and the supply of skilled talent in India.

### Benefits of Using NSDC JobX:

- **Enhanced Visibility:** For candidates, NSDC JobX offers wider exposure to potential employers.
- **Targeted Job Search:** Candidates can filter job postings based on their skills, location, and experience.
- **Skill Development Guidance:** The platform provides resources to help individuals develop and enhance their skills.
- **Efficient Recruitment:** For employers, NSDC JobX streamlines the recruitment process by connecting them with qualified candidates.

Employer Registration Link: <https://nstdcjobx.com/EmployerRegistration>



Details about SCGJ's Job/Rozgar Portal is given on page no: 22



# Activities of SCGJ during 2023- 2024

## Advocacy

### SCGJ participated in the following prominent Skill related and Green Businesses related Events during 2023-24

S.No.	Events/ Meeting/ Workshops	Date
1	Dr Praveen Saxena, CEO, Skill Council for Green Jobs (SCGJ), speaking in a panel discussion on "Future Trends Shaping Industry 4.0 and recommendations for ITI Transformation at the Future Skills Forum"	11-04-2023
2	SCGJ signed an MOU with Charities Aid Foundation (CAF)	19-04-2023
3	SCGJ signed an MOU with Himachal Pradesh Kaushal Vikas Nigam	21-04-2023
4	SCGJ celebrated "Happy Earth Day"	22-04-2023
5	SCGJ participates in the 3rd Education Working Group meeting in Bhubaneswar, Orissa	23-04-2023
6	SCGJ organised a half-day consultation on introducing vocationalization in renewable energy in Gujarat schools	27-04-2023
7	SCGJ presence in "Water Conclave 2023" on New-Age Technologies Steering Water Sustainability organized by PHDCCI.	27-04-2023
8	Mr. Sunil Jain, the new co-chairman, interacting with the SCGJ team	02-05-2023
9	SCGJ participation in the USAID and CLEAN event on DRE and women's empowerment.	02-05-2023
10	SCGJ participates in the USAID through its flagship clean energy program, the South Asia Regional Energy Partnership (SAREP) organized the region's first clean energy, New Delhi, India.	02-05-2023
11	Panel discussion entitled ' Paving the way for Green Career organized by CLIMATE ASIA CONFERENCE	04-05-2023
12	SCGJ celebrated "Happy Budha Purnima"	05-05-2023
13	Shri Atul Kumar Tiwari, Secretary, MSDE, Government of India, at the Report launch organised by SCGJ & Sattva Consulting with support from J.P Morgan	16-05-2023
14	SCGJ signed an MOU with Conserve Society	17-05-2023
15	Training of Farmers for agro residue aggregation in progress at Badauin, Uttar-Pradesh.	23-05-2023
16	SCGJ is the Skill Partner at the World Environment Conference organized by ASSOCHAM on the occasion of World Environment Day 2023 at Pragati Maidan, New Delhi	05-06-2023
17	MNRE, in association with NRDC, is convening a dialogue on policy, technology skills, and finance on June 5th, World Environment Day, to interact and find ways to empower women through renewable energy.	05-06-2023
18	Active participation / 'Jan Bhagidari' of SCGJ's employees in the plantation drive, on the occasion of World Environment Day	05-06-2023
19	A tree plantation drive was conducted in 4 villages; approximately 300 plants were planted in the last 4 days under the supervision of Ms. Shalini Ji, Deputy Director in PMF.	05-06-2023
20	webinar on "Scope & Future of Green Jobs" will be presented by the Skill Council for Green Jobs in collaboration with Sripat Singh College, West Bengal	07-06-2023
21	SCGJ conducted "Career Counselling Sessions" were conducted under 'Jan Bhagidari' by BVG India Pvt. Ltd., Kwatt Solutions, and Sri Sri Rural Development Programme Trust	07-06-2023
22	Webinar on "Smart Microgrids: Future of Electricity Systems" - AKAM under 'Jan Bhagidari'. SCGJ celebrates Azadi ka Amrit Mahotsav with a series of 75 webinars on Sustainable Development, Renewable Energy and Waste Management.	12-06-2023
23	SCGJ signed an MOU with Andhra Pradesh State Skill Development Corporation	13-06-2023
24	SCGJ signed an MOU with LA SOCIETE CARREFOUR DES LEADERS (CDL) SARL, Togo	13-06-2023
25	SCGJ signed an MOU with IIT Mandi iHub and HCI Foundation	14-06-2023
26	SCGJ celebrates "Global Wind Day 2023"	15-06-2023
27	SCGJ signed an MOU with Indo Euro Synchronisation, India - German Varsity, Germany (IESGV)	20-06-2023



# Activities of SCGJ during 2023- 2024

## Advocacy

### SCGJ participated in the following prominent Skill related and Green Businesses related Events during 2023-24

S.No.	Events/ Meeting/ Workshops	Date
28	SCGJ celebrates Happy International Yoga Day	21-06-2023
29	SCGJ signed an MOU with Society of JKC, APCCE	27-06-2023
30	SCGJ signed an MOU with Scope Global Skills University	27-06-2023
31	Mr. Arpit Sharma, COO - Skill Council for Green Jobs invited as a expert speaker on Clean Energy Workforce: Preparing for an inclusive green economy	06-07-2023
32	Ms. Sangeeta Patra, Vice President & Head, Marketing & Partnerships of SCGJ, participated in the one-day workshop on implementation of National Apprenticeship Promotion Scheme (NAPS) in Karnataka	25-07-2023
33	Dr. Parveen Dhamija, Advisor, SCGJ, is honoured to be a panelist for this international event for skilling and entrepreneurship in biomass	09-08-2023
34	SCGJ has collaborated with Rajiv Gandhi National Institute of Youth Development for a webinar based on the theme "Green Skills for Youth: Towards a Sustainable World" on the occasion of International Youth Day	12-08-2023
35	SCGJ celebrates International Youth Day	12-08-2023
36	SCGJ, in association with GH2 Solar and NSEFI - National Solar Energy Federation of India , organised a two-day masterclass on green hydrogen entrepreneurship	04-09-2023
37	SCGJ celebrates Engineer's Day	15-09-2023
38	SCGJ celebrates "Ganesh Chaturthi"	19-09-2023
39	SCGJ is organising online drawing competitions as part of the "Green Energy Skills Championship".	22-09-2023
40	To commemorate Swachhata Hi Seva (SHS), SCGJ also has campaigned for Indians to take the Swachhta pledge to keep our environment neat and clean and to devote ourselves to voluntarily working for cleanliness	01-10-2023
41	Skill Council for Green Jobs (SCGJ) had a virtual meeting with Australian High Commission to discuss skill related collaborations under the Australia's Future Skills Initiative with India.	07-10-2023
42	Skill Council for Green Jobs (SCGJ) was honoured to be a part of the 4th ICRA BR event organized by Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE)	12-10-2023
43	Skill Council for Green Jobs participated in the 03rd National Apprenticeship Awareness Workshop for Gujarat at Daman for the UT of DNH and DD on October 13, 2023, organized by RDSDE, Gujarat	13-10-2023
44	Skill Council for Green Jobs, in association with GOODWE, organized a "Transformative Training and Competition on Solar Project Installation	13-10-2023
45	SCGJ celebrates "International E-waste Day"	14-10-2023
46	Skill Council for Green Jobs (SCGJ) and the Australian Trade and Investment Commission had a fruitful meeting on skill collaborations at the Australian High Commission, New Delhi	17-10-2023
47	SCGJ celebrates "Happy Dussehra"	24-10-2023
48	Celebration of National Unity Day and Pledge taking on Skill India Digital	31-10-2023
49	Skill Council for Green Jobs (SCGJ), is organizing a series of two-days physical training batches on "Green Hydrogen Entrepreneurship starts from 2 <sup>nd</sup> Nov, 2023.	02-11-2023
50	Ms. Sangeeta Patra, Vice President – Marketing & Partnerships, Skill Council for Green Jobs (SCGJ), attended "Sustainability Leadership Summit" as a speaker during the summit and talked on the topic of "Green Jobs for Sustainable Development"	04-11-2023
51	SCGJ celebrates Happy Diwali	12-11-2023
52	SCGJ signed an MOU with HEC Group of Institutions	30-11-2023
53	SCGJ signed an MOU with Focal Skills	01-12-2023
54	SCGJ organized a two-day training event titled "Masterclass on Green Hydrogen Ecosystem"	13-12-2023



# Activities of SCGJ during 2023- 2024

## Advocacy

### SCGJ participated in the following prominent Skill related and Green Businesses related Events during 2023-24

S.No.	Events/ Meeting/ Workshops	Date
55	Skill Council for Green Jobs has been empanelled as a Swachhta Knowledge Partner by the National Institute of Urban Affairs, Ministry of Housing and Urban Affairs	19-12-2023
56	SCGJ celebrates "Merry Christmas"	25-12-2023
57	Join us for the 'Plastic Waste ' webinar by Panasonic's 'Harit Umang' program! Make The World A Beautiful Place, Start Reducing Our Plastic Waste for a sustainable future.	27-12-2023
58	SCGJ celebrates "Happy New Year 2024"	01-01-2024
59	SCGJ celebrates "Happy Lohri"	13-01-2024
60	SCGJ celebrates "Happy Makar Sankranti"	15-01-2024
61	Join us for the 'E-Waste' webinar by Panasonic's 'Harit Umang' program! knowledge partner, Skill Council for Green Jobs	18-01-2024
62	Dr. Parveen Dhamija, Advisor, Skill Council for Green Jobs, is honoured to be invited as a speaker on Skilling in biomass value chain in the summit on bioenergy organized by the PHD Chamber of Commerce in Delhi	24-01-2024
63	SCGJ celebrates "Happy Republic Day"	26-01-2024
64	SCGJ signed an MOU with Satyam Institute of Management Technology, Nakodar	07-02-2024
65	Join us for the 'Biodiversity' webinar by Panasonic's 'Harit Umang' program! knowledge partner, Skill Council for Green Jobs	08-02-2024
66	SCGJ, with support from USAID through SAREP, has organized an industry roundtable to discuss the evolving skills and job landscape across the green hydrogen ecosystem in India	20-02-2024
67	"Join us for the 'Plastic Waste' webinar by Panasonic's 'Harit Umang' program! knowledge partner, Skill Council for Green Jobs	23-02-2024
68	Dr. Parveen Dhamija, Advisor, Skill Council for Green Jobs, participated as a panelist in the session on Democratizing Future Energy,	28-02-2024
69	Dr. Parveen Dhamija, Advisor, Skill Council for Green Jobs, participated as a key speaker in the workshop to promote e-cooking under the Go-Electric Campaign of the Bureau of Energy Efficiency, Ministry of Power, Government of India	05-03-2024
70	SCGJ organized a campaign on the occasion of "Happy Women's Day". A day to celebrate women who inspires you the most.	08-03-2024
71	"Join us for the 'E-waste' webinar by Panasonic's 'Harit Umang' program! knowledge partner, Skill Council for Green Jobs	13-03-2024
72	SCGJ and Tata Power signed a MoU which marks a significant milestone in our commitment to sustainability and innovation	13-03-2024
73	SCGJ celebrates "International Day of Action for Rivers"	14-03-2024
74	Honorable Minister Shri Dharmendra Pradhan, Minister of Education and Minister of Skill Development & Entrepreneurship, Government of India, released the Skill Gap Assessment Report on Green Hydrogen	14-03-2024
75	SCGJ meeting with MECS and Finnovista to plan for training in E-cooking under the Go Electric scheme of the Government of India	15-03-2024
76	SCGJ celebrates "World Forestry Day 2024"	21-03-2024
77	SCGJ celebrates "World Water Day 2024"	22-03-2024
78	SCGJ celebrates "Happy Holi"	25-03-2024
79	Mr. Arpit Sharma was also truly privileged to be invited as a keynote speaker at the launch of "Transition to Net Zero" by Dr. Debesh Roy	28-03-2024



# Activities of SCGJ during 2023- 2024

## Some more important activities of SCGJ



SCGJ, in association with GH2 Solar and NSEFI - National Solar Energy Federation of India, organised a two-day masterclass on green hydrogen entrepreneurship on 4th and 5th Sept, 2023.



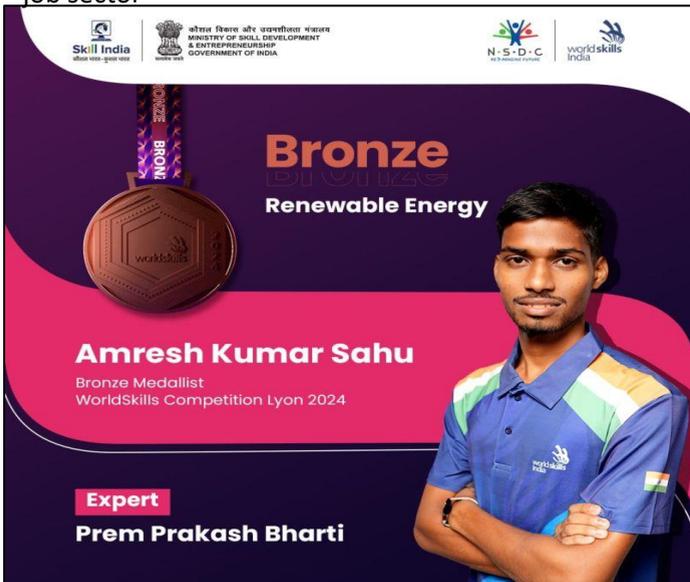
Honorable Minister Shri Dharmendra Pradhan, MoE and MSDE, Government of India, released the Skill Gap Assessment Report on Green Hydrogen



SCGJ signed a MOU with Mahatma Gandhi University, Meghalaya. This collaboration aims to provide vocational training and skill development programs for candidates interested in careers within the green job sector



Skill Council for Green Jobs participated in the 03rd National Apprenticeship Awareness Workshop for Gujarat at Daman for the UT of DNH and DD on October 13, 2023, organized by RDSDE, Gujarat



Amresh Kumar Sahu clinches a Bronze medal in Renewable Energy at the WorldSkills Competition in Lyon 2024



Akhil Gedela secured "Medallion for Excellence" in Water Technology at the WorldSkills Competition in Lyon 2024



# Activities of SCGJ during 2023- 2024



COO, SCGJ visited BIBB, Federal Institute for Vocational Education and Training. Green TVET in Germany was organized as part of the Indo- German Programme 25<sup>th</sup> September 2023



Dr.(Mrs) Parveen Dhamija, Advisor, SCGJ invited as Speaker on special session on ' Skill Development & Capacity Building for Clean Energy Transition' on 22<sup>nd</sup> September 2023



Solar Skill Training and Competition supported by M/s GOODWE on 13<sup>th</sup> October 2023



Panel Discussion on 'Mainstreaming Persons with Disability in Green Energy Sector' hosted by SCPwD and SCGJ on 13th October 2023



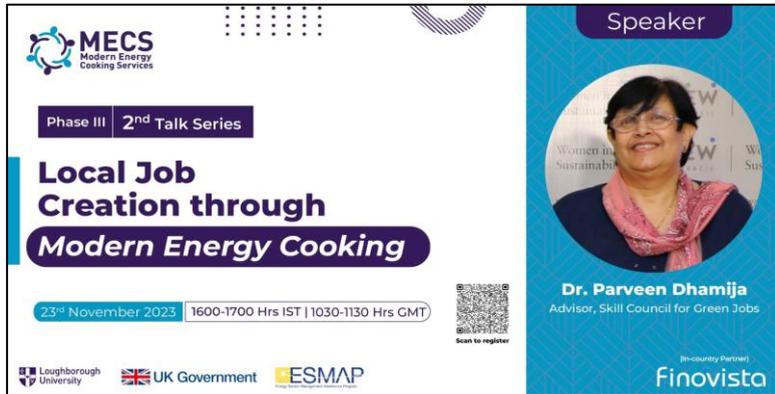
Skill Council for Green Jobs (SCGJ) and the Australian Trade and Investment Commission had a fruitful meeting on skill collaborations at the Australian High Commission, New Delhi, on October 17, 2023.



SCGJ participated in Panel Discussion on Skill Gap in Renewable Energy Workforce, Vietnam on 19<sup>th</sup> October 2023



# Activities of SCGJ during 2023- 2024



Finovista, India under FCDO funded MECS Programme organized Talk Series 3.02 on Transitioning to Modern Energy for Cooking.

Honored to announce that Skill Council for Green Jobs has been empanelled as a Swachata Knowledge Partner by the National Institute of Urban Affairs, Ministry of Housing and Urban Affairs



SCGJ conducted 20 Workshops for various level of staff at Hospitals in Jaipur, Alwar and Delhi NCR on Biomedical Waste Management

The Centre for Sustainable Development (CSD) organized a Climate Parliament for the youth and Sustainability Leadership Summit on 3rd and 4th November 2023 in Bangalore. Ms. Sangeeta Patra, Vice President – Marketing & Partnerships, SCGJ presented talk on “Green Jobs for Sustainable Development”.



SCGJ, MECS, and Finovista collaborate to develop an e-cooking training program under India's Go Electric initiative. The program aims to promote electric cooking adoption and reduce reliance on traditional cooking methods.

SCGJ organised a two-day training event titled 'Masterclass on Green Hydrogen Ecosystem' during December 13–14, 2023, with the objective of providing about 30 suitable participants with the necessary knowledge, skills, and competencies to excel as entrepreneurs in the dynamic field of green hydrogen.



# Activities of SCGJ during 2023- 2024



Mr. Arpit Sharma attended "Transition to Net Zero" event as a keynote speaker at the launch of by Dr. Devesh Roy. During the event, he had the honour of sharing our nation's ambitious strategies and proactive measures aimed at transitioning towards a sustainable, low-carbon future.



SCGJ IAGE held a tie-breaker competition to select one of two candidates to represent India at the WorldSkills renewable energy competition in Lyon, France.

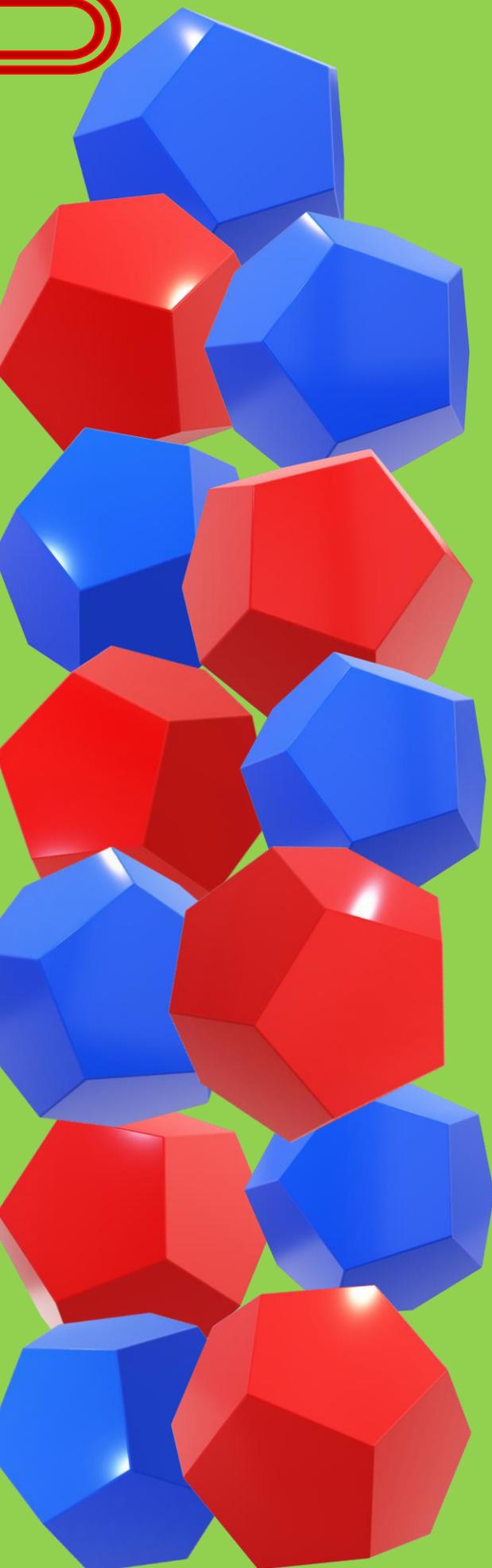
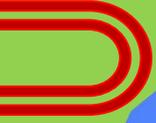


Mr. Arpit Sharma become the new CEO of SCGJ & Heartfelt farewell to a legend Shri Praveen Saxena, Ex CEO, SCGJ



SCGJ participated in India Skill 2024 in Renewable Energy and Water Management Technology, held at Yashobhoomi in Dwarka, Delhi.





# Balance Sheet

## FY 2023 - 2024



# Balance Sheet FY 2023 - 2024

## SKILL COUNCIL FOR GREEN JOBS BALANCE SHEET AS AT 31.03.2024

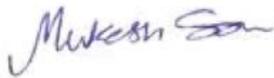
CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	( Amount - Rs. )	( Amount - Rs. )
		31.03.2024	31.03.2023
CORPUS / CAPITAL FUND	1	-	-
RESERVES AND SURPLUS	2	7,75,40,218	7,75,40,218
EARMARKED / ENDOWMENT FUNDS	3	71,11,614	4,42,44,980
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	3,45,22,444	2,21,56,605
<b>TOTAL</b>		<b>11,91,74,276</b>	<b>14,39,41,803</b>
<b>ASSETS</b>			
FIXED ASSETS	8	9,08,828	9,47,693
INVESTMENTS - FROM EARMARKED / ENDOWMENT FUNDS	9	-	-
INVESTMENTS - OTHER	10	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	11,82,65,448	14,29,94,110
MISCELLANEOUS EXPENDITURE ( to the extent not written off or adjusted )		-	-
<b>TOTAL</b>		<b>11,91,74,276</b>	<b>14,39,41,803</b>
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

"As per our report of even date annexed"

For VRSM & Co.

Chartered Accountants

FRN: 016313C

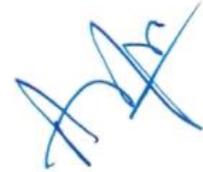



CA. Mukesh Soni

Partner

M. No.: 424525

For Skill Council For Green Jobs



Chairman

Treasurer

Secretary

Place: New Delhi

Date: 20/09/2024

UDIN: 24424525BKCECQX9904



# Balance Sheet FY 2023 - 2024

## SKILL COUNCIL FOR GREEN JOBS INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2024

( Amount - Rs. )

Particulars	Schedule	31.03.2024	31.03.2023
<b>INCOME</b>			
Income from Sales / Services	12	-	-
Grants / Subsidies	13	-	-
Fees / Subscriptions Received	14	10,49,98,788	13,37,95,722
Income from Investments ( Income on Invest. from earmarked/endow. Funds transferred to Funds.)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	39,98,760	53,50,810
Other Income	18	-	7,04,745
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
<b>TOTAL (A)</b>		<b>10,89,97,548</b>	<b>13,98,51,277</b>
<b>EXPENDITURE</b>			
Establishment Expenses	20	9,81,33,850	12,87,66,796
Other Administrative Expenses etc.	21	1,04,26,445	1,41,88,497
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation ( Net Total at the year-end - corresponding to Schedule 8 )		4,37,253	4,70,573
		<b>10,89,97,548</b>	<b>14,34,25,866</b>
<b>Excess of Income over Expenditure/(Excess of Expenditure over Income)</b>		-	(35,74,588.52)
Adjusted against SCGJ Development Fund		-	35,74,588.52
<b>Net Surplus/Deficit</b>		-	-
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

"As per our report of even date annexed"

For VRSM &amp; Co.

Chartered Accountants

FRN: 016313C




CA. Mukesh Soni

Partner

M. No.: 424525

For Skill Council For Green Jobs



Chairman

Treasurer

Secretary

Place: New Delhi

Date: 20/09/2024

UDIN: 24424525BKECQX9904



# Balance Sheet FY 2023 - 2024

## SKILL COUNCIL FOR GREEN JOBS SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2024

SCHEDULE 1 - CORPUS / CAPITAL FUND :	( Amount - Rs. )		( Amount - Rs. )	
	31.03.2024		31.03.2023	
Balance as at the beginning of the year	-			
Less: Trf. to General Reserve	-			
		-		-
<b>BALANCE AS AT THE YEAR - END</b>		<b>-</b>		<b>-</b>
<b>SCHEDULE 2 - RESERVES AND SURPLUS :</b>				
	31.03.2024		31.03.2023	
<b>1. Capital Reserve :</b>		-		-
As per last Account				
Addition during the year				
Less: Deductions during the year				
<b>2. Revaluation Reserve</b>		-		-
As per last Account				
Addition during the year				
Less: Deductions during the year				
<b>3. Special Reserves :</b>		-		-
As per last Account				
Addition during the year				
Less: Deductions during the year				
<b>4. General Reserve :</b>				
As per last Account	7,75,40,218		8,11,14,807	
Add: Trf from Income & Expenditure A/c	-	7,75,40,218	-35,74,589	7,75,40,218
<b>TOTAL</b>		<b>7,75,40,218</b>		<b>7,75,40,218</b>



For Skill Council For Green Jobs

Chairman

Treasurer

Secretary

Place: New Delhi

Date: 20/09/2024





# Functional Details



# Functional Details of SCGJ

## Functional Divisions

### Key Performance Areas of each Department



#### Standards & Research

- ✓ Occupational Mapping and Skill Gap Analysis
- ✓ Development of Qualification Packs based on Industry requirement
- ✓ Curriculum and Courseware Development
- ✓ Interact with bilateral and multilateral agencies
- ✓ Coordination with Universities and Colleges for NSQF alignment
- ✓ All technical matters
- ✓ Implementation of CSR Projects



#### Strategy & Operations

- ✓ Affiliating suitable training partners and assessment agencies
- ✓ Organization of meetings of Affiliation Sub-committee
- ✓ Mapping of Training Centres on National Portal with unique identification numbers
- ✓ Training of Trainers
- ✓ Planning of Delivery of Training by affiliated Training Centres as per annual targets
- ✓ Assessment through third party
- ✓ Certification of candidates
- ✓ Coordination with NSDC and uploading of data on National Portal



#### Marketing & Partnerships

- ✓ Improving industry linkages. Finding opportunities to Partner with countries, organizations, institutes & multi & bi lateral agencies
- ✓ Corporate Communication
- ✓ MoUs with Industry and other Skill Development & CSR agencies
- ✓ Improving visibility of Skill Council for Green Jobs & COEs
- ✓ Marketing, Social media & Print media management
- ✓ Organization of AGM and Governing Council Meetings
- ✓ National Apprenticeship Promotion Scheme (NAPS) & special projects.
- ✓ All matters relating to Membership of SCGJ, including its growth
- ✓ Participation & organization of sector specific events, Conferences, Job fairs and Exhibitions





# Standards & Research Group



# Standards & Research Group 2023 - 2024

The Standards and Research is the Technical Wing of Skill Council for Green Jobs the major responsibility and achievements of the division during 2023-24 are as follows.



Standards and Research Group primarily design and develop 'National Occupational Standards' (NOSs) and 'Qualifications' (also called as Qualification Packs or Job roles) across Green Business domain, as per the 'National Skills Qualification Framework' (NSQF). These are approved by The National Skills Qualification Committee (NSQC) that is anchored at The National Council for Vocational Education and Training (NCVET) which is the regulator of national skills ecosystem. Since Qualifications along with their curriculum and training content/courseware etc are developed and reviewed/rationalized based on skills demand and Jobs available across the green business industry, this process involves extensive interaction with the Sector specific industry, organizations and experts. Trainings are delivered in alignment with nationally approved qualifications developed by SCGJ. SCGJ also develop Training Courseware including 'Participant Handbooks' (for trainees) and 'Facilitator Guides' (for trainers) for all its Qualifications to supplement the training programs.

## Major Achievements during 2023-24

### a) Occupational Mapping and Skill Gap Analysis

- ✓ SCGJ in partnership with Sattva Consulting and with support from J.P. Morgan implemented a study on Green Jobs landscape which aimed to identify Big Bet initiatives that can address skills needs to set the pace for India's green growth. The study identified employment potential in the green economy and the catalytic role that philanthropy can play in addressing skills needs while ensuring equitable access to green jobs. The study estimated that up to 35 million green jobs will be created by 2047 across emerging and traditional sectors such as renewable energy, green hydrogen, waste management, electric vehicles, sustainable textiles and green construction. The detailed findings were released through a report titled "Gearing Up the Workforce for a Green Economy" during May 2023. (<https://sscgi.in/wp-content/uploads/2023/05/Skills-Landscape-for-Green-Jobs-Report.pdf>)
- ✓ The USAID and Skill Council for Green Jobs had instituted a Skill Gap Study on the entire value chain of Green Hydrogen. The study conducted by ICF New Delhi. The report dives into the realm of skilling for green hydrogen, navigating the complexities of fostering a proficient workforce in this rapidly evolving sector in the country. The report is a comprehensive guide in cultivating a pipeline for skilled workforce in India's green hydrogen industry. From identifying skill gaps to proposing tailored training programs, it offers practical recommendations to meet the evolving demands of this sector. ([https://sscgi.in/wp-content/uploads/2024/06/GH2-Skill-Gap-report\\_MSDE.pdf](https://sscgi.in/wp-content/uploads/2024/06/GH2-Skill-Gap-report_MSDE.pdf))



## Standards & Research Group 2023 - 2024

### b) Development of Qualifications based on Industry requirement

- ✓ During the year 2023-24, SCGJ focused its efforts on content development, skilling and training in the Green Hydrogen sector. As part of this effort, 10 new qualifications have been developed and approved by NCVET.
- ✓ The revision/rationalization process of multiple qualifications (across various thematic areas) which were expiring were also completed during the year. New qualifications on forestry, green house gas accounting, biomedical waste management alongwith future technology on agrivoltaics were developed.
- ✓ Multiple new training batches were also conducted (through various modes) on some of those new qualifications along with NCrF aligned qualifications.

### c) Model Curriculum and Courseware Development

- ✓ In addition to 31 model curriculum for the new qualifications, the existing curriculums were also reviewed & revised for various other qualifications as part of the revision/rationalization and NCrF realignment exercise. In addition, new participant handbook and facilitator guides were also developed and upgraded for multiple qualifications.

#### Other initiatives:

- ✓ Multiple skills interventions in form of virtual and physical trainings were designed and implemented across themes like Green Hydrogen, energy storage, GHG accounting and Biomedical waste management etc.

SECTOR-WISE QUALIFICATION FOR TRAINING											
Sectors	NSQF Job Levels (L)									Under Revision	Total
	L 2	L 2.5	L 3	L 3.5	L 4	L 4.5	L 5	L 6	L 7		
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Waste Water Management	0	0	4	0	1	0	0	0	0	2	7
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>



## Standards & Research Group 2023 - 2024

### d) SCGJ engagement with bilateral and multilateral agencies

- ✓ Multiple Interactions with ISA, GIZ, World Bank, UNEP etc. were also been carried out for a range of skills development initiatives in solar, biomass, waste & wastewater management and air pollution sector. In addition, a range of activities were also performed supporting capacity building initiatives that impart 21st-century skills, promote sector-specific skills, and provide apprenticeship/employment opportunities to students/young learners.

### WHO supported project

WHO supported SCGJ in implementing a project on biomedical waste management. The key objectives of the project were developing a training resource on BMW to bridge the knowledge gap in the healthcare sector and increase the compliance of BMW Rules 2016. SCGJ developed electronic self-learning modules for training of all the levels of healthcare staff (Doctors; Nurses/ Paramedics/ Technicians; Ward boys/ Class IV employees) and made organizational tie-ups with NSDC to host this module on SIDH ([Skill India Digital Hub \(SIDH\) - Upskilling, reskilling, career growth and lifelong learning](#))

### UNEP supported Project

- ✓ Project Surya,' was a unique energy inclusion initiative, underway in rural Gujarat to help women from the informal sectors to leapfrog into the modern clean energy industry. This program was implemented by the United Nations Environment Program (UNEP). Under this initiative, the pilot project was executed to train 1000 salt pan workers from the Rann of Kutch on installing solar power plant and solar pump across SEWA training centers facilities in the state with technical training being provided under the aegis of Skill Council for Green Jobs. This project was funded by ReNew, India's leading clean energy company, under its CSR umbrella.

### GIZ supported Project

- ✓ GIZ engaged Green TVET Expert of SCGJ for compiling a baseline desk study on the existing green skill development programme in India under Indo-German Programme for Vocational Education and Training (IGVET) which aims to address the challenge of integrating over 250 million young people into India's labor market in the next 15 years. Inspired by the successful German VET model. IGVET promotes a demand-driven vocational education and training system involving private enterprises. SCGJ made a progress and identified sector wise list of all potential job roles focusing green skills among the 36 Sector Skill Council in India. SCGJ also identified various curriculum of Directorate General of Training and Skill Universities focusing green skills. On the next step, SCGJ is identifying various institutions offering these courses across the country.

### HPCL supported Project

- ✓ SCGJ is implementing CSR project supported by Hindustan Petroleum Corporation for training on Agri-residue Aggregation and Biomass Depot operation Under the project, SCGJ conducted 22 training for 775 Farmers/Aggregators which included about 150 women farmers spread over in different villages in 5 Districts viz. Bareilly, Badaun, Pilibhit, Shahjahanpur and Hardoi which were identified by HPCL as the sources of the biomass for their supply chain. Representative from M/s New Holland, manufacturers of the Balers and M/s Praj industries, the technology developers were also participated in most of the trainings.



# Standards & Research Group 2023 - 2024



Agri-residue Aggregation training in UP under HPCL supported Programme



Sensitization workshop on Biomedical waste management under WHO supported Programme



Launch of Skill Gap Report on Green Hydrogen



Solar Project at Madan Mohan Malviya Hospital, Delhi



# Standards & Research Group 2023 - 2024

## National Green Hydrogen Mission:

Green hydrogen produced through renewable resources such as solar and wind through electrolytic route or through biomass-based process—holds significant promise in meeting the world’s future energy demands. In the wake of global climate concerns and the urgent need to transition towards sustainable energy sources, the emergence of green hydrogen has marked a significant milestone.

In India, interest in the production of green hydrogen has significantly grown, especially since the Central Government announced the National Green Hydrogen Mission (NGHM) in 2021, followed by the notification of Green Hydrogen policy in 2022. NGHM was approved by the Union Cabinet on 4th January, 2023 with an initial outlay of Rs 19,744 crore. Ministry of New and Renewable Energy (MNRE) is the nodal Ministry for implementation the mission. The overarching objective of NGHM is to make India the Global Hub for production, usage and export of Green Hydrogen and its derivatives. This will contribute to India’s aim to become Aatmanirbhar (self-reliant) through clean energy and serve as an inspiration for the Clean Energy Transition.

NGHM targets setting up of at least 5 MMT (Million Metric Tonne) per annum of green hydrogen capacity with an associated renewable energy capacity of about 125 GW by 2030. The targeted production capacity will bring over INR 8 lakh crore in total investments and create over 6 lakhs jobs by 2030. The Mission will lead to significant decarbonization of the economy, reduced dependence on fossil fuel imports, and enable India to assume technology and market leadership in Green Hydrogen. Jobs creation and required skilling & capacity building are one of the key aspirations of the mission and in that context, a coordinated skill development programme is also being devised to be implemented wherein SCGJ is also actively involved. Targeted Skilling and capacity building for all stakeholders within the domestic green hydrogen ecosystem has emerged as a critical pillar in shaping a sustainable future and revolutionizing the domestic energy landscape. This critical segment in this niche but rapidly growing sector not only promises to address climate change and various other environmental issues but also presents a transformative opportunity for sustainable economic growth, technological innovation, market and jobs creation across the country. SCGJ recognize that skilling in green hydrogen is pivotal for India to capitalize on the immense potential of this future fuel.

## SCGJ role in promoting National Green Hydrogen Mission:

Skill Council for Green Jobs, in association with USAID, conducted a Skill Gap Study on the entire value chain of Green Hydrogen and identified job roles specifically in the mid-stream process. So far, 8 qualification packs, 2 micro-credentials, and e-learning content for “Green Hydrogen Junior Plant Technician—Electrolyser” have been developed by SCGJ. 14 master trainers and 28 trainers have been certified. Training was conducted for 498 candidates in Delhi, Pune, Gujarat, and Bhubaneswar under World Bank and GIZ-supported projects. MoUs have been signed with 7 industries and 3 academies for RPL and short-term training in the green hydrogen domain. SCGJ facilitated Tata Power's setting up of India’s first COE in green hydrogen solely for training purposes in Mumbai.

Recently, Skill Council for Green Jobs (SCGJ), in collaboration with M/s Innodust, hosted an impactful workshop on August 14, 2024, centred around the theme “Training and Capacity Building Needs Across the Green Hydrogen Value Chain.” Held at Vivanta, Bhubaneswar, Odisha, the event brought together key stakeholders from industry, government, and academia to discuss the strategic workforce requirements in the rapidly evolving green hydrogen sector. The workshop provided a robust platform for exchanging ideas and forging strategies to address the skill requirements of the green hydrogen industry. The insights shared during the panel discussion underscored the collective effort needed to build a skilled workforce that can drive India's green energy transition.



# Standards & Research Group 2023 - 2024

## SCGJ's Progress so far:

SCGJ and Tata Power/TPSDI signed a landmark Memorandum of Understanding (MoU) to advance the GREEN HYDROGEN Trainings across the country. This collaboration marks a significant step forward in our commitment to renewable energy and sustainable development.

The Skill Council for Green Jobs (SCGJ) had the privilege of inaugurating the first Centre of Excellence (CoE) on Green Hydrogen - the "Green Energy Skill Centre" in Shahad, Mumbai, a cutting-edge training facility developed by TATA Power and Tata Power Skill Development Institute. This advanced Green Hydrogen facility is going to play a critical role in educating persons for jobs in Renewable Energy and Green Hydrogen technologies.

Our collective goal is to equip the workforce with cutting-edge knowledge and hands-on training, putting them at the forefront of the green energy revolution. This project not only encourages creativity, but it also helps our objective to create a greener, more sustainable future.



# Standards & Research Group 2023 - 2024

## Some Trainings pics by SCGJ :



Trainings at Pune, Maharashtra from 24<sup>th</sup> July to 26<sup>th</sup> July 2024

Trainings at Delhi from 1<sup>st</sup> August to 3<sup>rd</sup> August 2024

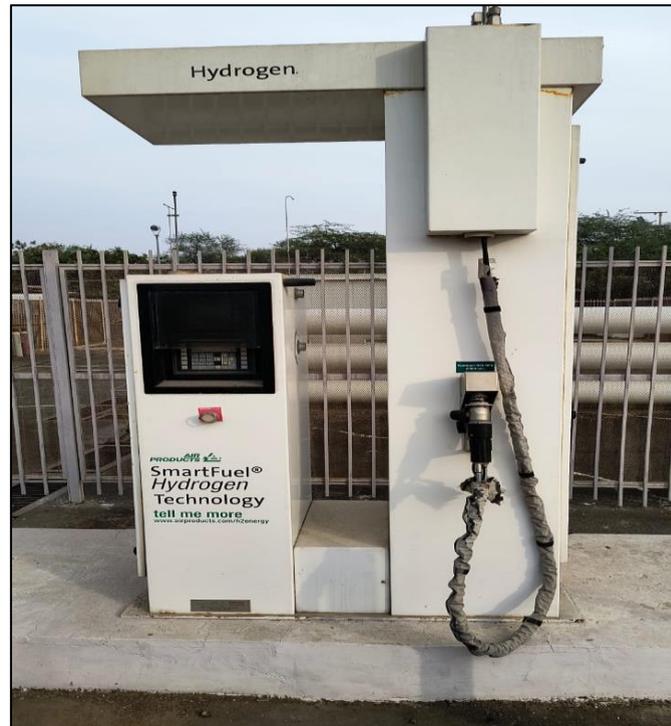


Trainings at Bhubaneswar from 12<sup>th</sup> August to 14<sup>th</sup> August 2024



# Standards & Research Group 2023 - 2024

## Glimpses of SCGJ trainings on Green Hydrogen:



# Standards & Research Group 2023 - 2024



## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

## TRAINING & ASSESSMENT CAPACITY



**Certified Trainers**  
4717\*



**Certified Assessors**  
756\*



**Trained and Certified Candidates**  
561720\*



**No. of States and UTs Covered**  
28\*



**Affiliated Training Centers (PAN INDIA)**  
909\*

\* Numbers as on June 2024

## Qualifications / Job Roles

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
SOLAR	1	Solar PV Installer (Suryamitra) SGJ/Q0101	4	Total 420 Notional hours i.e. 14 Credits (including Theory : 210 + Practical : 150 + OJT : 60)	<ul style="list-style-type: none"> <li>12th grade Pass (Science) + or Equivalent) with NA of experience</li> <li>10th grade pass with 3 Years of experience Renewable energy/power sector experience</li> <li>10th grade pass ( 2 years of any combination of NTC/NAC/CITS or equivalent in relevant trade ) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level (3.5 Solar PV Site Survey Assistant)</li> <li>Previous relevant Qualification of NSQF Level (3.0 Assistant Technician – Solar Panel Installation) with 3 Years of experience Renewable energy/power sector experience</li> </ul>
	2	Solar PV Installer - Electrical SGJ/Q0102	4	Total 390 Notional hours i.e. 13 Credits (including Theory : 165 + Practical: 105+OJT : 120)	<ul style="list-style-type: none"> <li>12th grade Pass (with Science or Equivalent) with NA of experience</li> <li>10th grade pass with 3 Years of experience Renewable energy/power sector experience</li> <li>10th grade pass ( with 2 years of any combination of NTC/NAC/CITS in relevant trade ) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level [3.5 (Solar PV Site Survey Assistant)]</li> <li>Previous relevant Qualification of NSQF Level [3.0 (Assistant Technician – Solar Panel Installation)] with 3 Years of experience of Renewable energy/ power sector experience</li> </ul>
	3	Solar PV Cell Manufacturing Technician SGJ/Q0203	4	420 Hours: (Theory: 130 hours + Practical:110 hours+ 60 hours of employability skills + 120 hours of OJT)	<ul style="list-style-type: none"> <li>12th Grade</li> <li>Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma</li> <li>10th grade pass plus 2-year NTC</li> <li>10th grade pass plus 1-year NTC plus 1 year NAC</li> <li>8th pass plus 2-year NTC plus 1 Year NAC plus CITS</li> <li>Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass 3 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3.5 with 1.5 year relevant experience</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
SOLAR	4	Solar EV Charging Entrepreneur SGJ/Q1801	4	390 Hours including 300 hours of mandatory NOS (with 60 hours of employability skills) and 90 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience</li> <li>• 10th Class Pass + NTC (2 years after Class 10th)</li> <li>• 10th Class Pass with 3 Year Diploma, with no experience</li> <li>• 12th Class Pass, with 6 months of relevant experience</li> <li>• Certified on relevant NSQF Level 3, with 2 years of relevant experience</li> </ul>
	5	Solar Cold Storage Entrepreneur SGJ/Q1802	4	390 Hours including 300 hours of mandatory NOS (with 60 hours of employability skills) and 90 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience</li> <li>• 10th Class Pass + NTC (2 years after Class 10th)</li> <li>• 10th Class Pass with 3 Year Diploma, with no experience</li> <li>• 12th Class Pass, with 6 months of relevant experience</li> <li>• Certified on relevant NSQF Level 3, with 2 years of relevant experience</li> </ul>
	6	Junior Technician- Solar EV Charging Station SGJ/Q4001	3	330 Hours including 270 hours of mandatory NOS (with 30 hours of employability module) and 60 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 8th Class Pass + NTC (2 years)</li> <li>• 10th Class Pass</li> <li>• Certified on relevant NSQF Level 2 (e.g. Solar PV Project Helper), with 2 years of relevant experience</li> </ul>
	7	Junior Technician- Solar Cold Storage SGJ/Q4002	3	330 Hours including 270 hours of mandatory NOS (with 30 hours of employability module) and 60 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 8th Class Pass + NTC ( 2 years)</li> <li>• Class 10th Pass</li> <li>• Previous relevant Qualification of NSQF Level 2 (e.g. Solar PV Project Helper), with 1 year of relevant experience</li> </ul>
	8	Rooftop Solar Grid Junior Engineer SGJ/Q0106	5	Total 540 hours i.e. 18 Credits (Theory : 150 Hours + Practical : 210 Hours + OJTM : 180 hours )	<ul style="list-style-type: none"> <li>• Completed 4 year UG program (UG Diploma in Electrical/Electronics or equivalent) with NA of experience</li> <li>• 12th grade Pass ( with 1 year of NTC/NAC in relevant trade)</li> <li>• 10th grade pass (with 3-year Diploma in Electrical/Civil/Mechanical Engineering)</li> <li>• Previous relevant Qualification of NSQF Level ( 4.5)</li> <li>• Previous relevant Qualification of NSQF Level [Solar PV Installer (Suryamitra)] with 3 Years of experience of relevant experience in renewable energy/power sector</li> </ul>
	9	Solar Water Pumping Junior Engineer SGJ/Q0112	5	Total 540 hours i.e. 18 Credits (Theory : 225 hours + Practical : 225 hours + OJT : 90 hours )	<ul style="list-style-type: none"> <li>• Completed 2nd year of UG (UG Diploma) ((Electrical/Electronics) or equivalent) with NA of experience</li> <li>• 12th grade pass with 1 year NTC/ NAC (12th Grade pass with 1 year of NTC/NAC in relevant trade) with 1-2 Years of experience 1.5 years of relevant experience in renewable energy/ power sector</li> <li>• Completed 3 year diploma after 10th (Any stream of Engineering) with 1-2 Years of experience 1.5 years of relevant experience in renewable energy/ power sector</li> <li>• Previous relevant Qualification of NSQF Level (Previous relevant qualification of level 4.5) with 1-2 Years of experience 1.5 years of relevant experience in renewable energy/ power sector</li> <li>• Previous relevant Qualification of NSQF Level [Previous relevant qualification of level 4 (Solar PV Installer (Suryamitra))] with 3 Years of experience 3 years of relevant experience in renewable energy/ power sector</li> </ul>
	10	Solar Lighting Assembler SGJ/Q0201	4	Total 450 Notional hours i.e. 15 Credits (Theory : 180 + Practical : 180 hours + OJT : 90)	<ul style="list-style-type: none"> <li>• 12th grade Pass (with science or equivalent)</li> <li>• 10th grade pass (with 2 years of any combination of NTC/NAC/CITS or equivalent in relevant trade) with NA of experience</li> <li>• 10th grade pass with 3 Years of experience Renewable energy/power sector/light assembling</li> <li>• Previous relevant Qualification of NSQF Level (3.5)</li> <li>• Previous relevant Qualification of NSQF Level (3) with 3 Years of experience experience in Renewable energy/power sector/light assembling</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
<b>SOLAR</b>	11	Solar PV Module Manufacturing Technician SGJ/Q0119	4	Total 420 hours i.e. 14 Credits (Theory : 180 + Practical : 120 + OJT : 120 Hours)	<ul style="list-style-type: none"> <li>12th grade Pass (with Science or equivalent) with 1 Year of experience of relevant experience in renewable energy/power sector</li> <li>10th grade pass with 3 Years of experience of relevant experience in renewable energy/power sector</li> <li>10th grade pass with 2 Years of experience of any combination of NTC/NAC/CITS or equivalent in relevant trade</li> <li>Previous relevant Qualification of NSQF Level (3.5)</li> <li>Previous relevant Qualification of NSQF Level (3 - Solar Manufacturing-Junior Technician) with 3 Years of experience of relevant experience in renewable energy/power sector</li> </ul>
	12	Solar PV Installation Helper SGJ/Q0111	2	Total 270 Notional Hours i.e. 09 Credits ( Including Theory : 150 hours & Practical : 90 Hours + 30 hours On the Job Training )	<ul style="list-style-type: none"> <li>Ability to read and write with 1 Year of experience</li> <li>Relevant experience in solar/power sector</li> </ul>
	13	Solar Photovoltaic Entrepreneur SGJ/Q0901	5	540 hours (150 hours mandatory + 60 hours Employability Skills + 90 hours OJT + 240 hours of 1 elective)	<ul style="list-style-type: none"> <li>Completed 2nd year of UG</li> <li>Pursuing 2nd year of UG and continuous education</li> <li>Completed 2nd year of diploma (after 12th)</li> <li>Pursuing 2nd year of 2-year diploma after 12th</li> <li>12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10th with 1 year relevant experience</li> <li>12th Grade pass with 2 year relevant experience</li> <li>10th Grade pass with 4 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience</li> </ul>
	14	Solar Domestic Product Assembler SGJ/Q4902	2.5	270 hours of total notional duration (125 hours theory + 85 hours practical + 30 hours of Employability Skills Module and 30 hours of On Job Training (OJT)	<ul style="list-style-type: none"> <li>8th Class Pass and pursuing continuous schooling Or8</li> <li>9th Grade pass with no experience</li> <li>5th grade pass with 4 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 1 with 1.5 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2 with 6 months of relevant experience</li> </ul>
	15	Solar Manufacturing - Junior Technician SGJ/Q4901	3	Total 300 notional hours duration including 240 Hours of Mandatory NOS (140 hours theory, 100 hours practical,) along with 30 hours of On the Job Training (OJT) and 30 hours of Employability Skills Module.	<ul style="list-style-type: none"> <li>9th Grade pass and pursuing continuous schooling in regular school</li> <li>Grade 8 pass with two year of (NTC/ NAC) after 8th Grade Pass with 2 years relevant experience Previous relevant</li> <li>Qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2 with 3 years of relevant experience</li> </ul>
	16	Solar PV Site Survey Assistant SGJ/Q1203	3.5	Total 390 notional hours duration including 185 hours of theory, 145 hours of practical ,30 hours of Employability Skills Module and 30 hours of On-the-Job Training (OJT)	<ul style="list-style-type: none"> <li>10th grade pass and pursuing continuous schooling</li> <li>11th Grade pass Or Completed 1st year of 3 year diploma after 10th</li> <li>8th grade pass with two years of NTC plus 1 year NAC/CITS</li> <li>8th Grade pass with 3 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3 with 1.5 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2.5 with 3 year relevant experience</li> </ul>
	17	Solar Photovoltaic Technician SGJ/Q4004	4	Total 390 Hours i.e. 13 Credits (Including 330 Hours of Mandatory NOS with 60 hours of Employability Skills	<ul style="list-style-type: none"> <li>11th grade pass ( and pursuing continuous schooling) with NA of experience</li> <li>Pursuing 2nd year of 2-year diploma after 12th [or Completed 2nd year of 3-year diploma (after 10th)] with NA of experience</li> <li>10th grade pass ( with two years of any combination of NTC/NAC/CITS or equivalent) with NA of experience</li> <li>11th grade pass with 1 Year of experience relevant experience</li> <li>10th grade pass with 2 Years of experience relevant experience</li> <li>Previous relevant Qualification of NSQF Level (Level 3.5 ) with 3 Years of experience relevant experience</li> <li>Previous relevant Qualification of NSQF Level (Level 3) with 3-5 Years of experience with 3.5 years of relevant experience</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
<b>SOLAR</b>	18	Agrivoltaics Installer Electrical SGJ/Q0122	4	Total: 510 Notional hours (Theory : 250 + Practical : 170 and 90 hours of OJT)	<ul style="list-style-type: none"> <li>• 12th grade Pass (or equivalent) with NA of experience</li> <li>• Pursuing 3rd year of 3-year diploma after 10th (Electrical/ Mechanical) with NA of experience</li> <li>• 10th grade pass</li> <li>• Previous relevant Qualification of NSQF Level (3.5)</li> <li>• Previous relevant Qualification of NSQF Level (3)</li> </ul>
	19	Solar Enterprise Assistant Manager SGJ/Q2601	5	Total 510 ( Theory: 120 hours: Practical: 180 hours: Employability Skills: 60 hours and OJT: 150 hours)	<ul style="list-style-type: none"> <li>• Diploma with NA of experience</li> <li>• 12th grade Pass (2 year diploma in relevant field) with 1 Year of experience of relevant experience</li> <li>• 10th grade pass (Plus 3 year diploma in relevant field) with 1 Year of experience of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (4) with 3 Years of experience of relevant experience</li> </ul>
	20	Solar PV Business Development Executive SGJ/Q0107	Under Revision	Under Revision	Under Revision
	21	Solar Proposal Evaluation Specialist SGJ/Q0105	Under Revision	Under Revision	Under Revision
	22	Solar PV Designer SGJ/Q0110	Under Revision	Under Revision	Under Revision
	23	Solar PV installer (Civil) SGJ/Q0103	Under Revision	Under Revision	Under Revision
	24	Solar PV Project Manager (E&C) SGJ/Q0114	Under Revision	Under Revision	Under Revision
	25	Solar PV Maintenance Technician- Electrical (Ground Mount) SGJ/Q0115	Under Revision	Under Revision	Under Revision
	26	Solar PV Structural Assistant Design Engineer SGJ/Q0109	Under Revision	Under Revision	Under Revision



# Standards & Research Group 2023 - 2024



## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

## TRAINING & ASSESSMENT CAPACITY

 **Certified Trainers**  
4717\*

 **Trained and Certified Candidates**  
561720\*

 **Affiliated Training Centers (PAN INDIA)**  
909\*

 **Certified Assessors**  
756\*

 **No. of States and UTs Covered**  
28\*

\* Numbers as on June 2024

## Qualifications / Job Roles

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
GREEN HYDROGEN	1	Green Hydrogen Plant Entrepreneur SGJ/Q0121	5	480 Hours : (Theory : 155 hours + Practical : 145 hours + 90 hours of employability skills + 90 hours of OJT)	<ul style="list-style-type: none"> <li>Completed 2nd year of UG</li> <li>Pursuing 2nd year of UG and continuous education</li> <li>Completed 2nd year of diploma (after 12th)</li> <li>Pursuing 2nd year of 2-year diploma after 12th</li> <li>12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10th with 1 year of relevant experience</li> <li>12th Grade pass with 2 years of relevant experience</li> <li>10th Grade pass with 4 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 with 2 years relevant experience</li> </ul>
	2	Green Hydrogen Plant Technician SGJ/Q0120	4	420 Hours : (Theory: 160 hours + Practical:140 hours+ 60 hours of employability skills + 60 hours of OJT)	<ul style="list-style-type: none"> <li>12th Grade</li> <li>Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma</li> <li>10th grade pass plus 2-year NTC</li> <li>10th grade pass plus 1-year NTC plus 1 year NAC</li> <li>11th grade pass and pursuing continuous schooling</li> <li>10th Grade Pass with 2 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass 3 year relevant experience</li> </ul>
	3	Green Hydrogen Plant Junior Technician-Power Sources SGJ/Q4301	3	Total 360 Hours: (Theory : 170 hours + Practical : 100 hours+ 30 hours of employability skills + 60 hours of OJT)	<ul style="list-style-type: none"> <li>10th Grade Pass</li> <li>Grade 8th with 2-years of (NTC /NAC) after 8th</li> <li>Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> </ul>
	4	Green Hydrogen Plant Junior Technician-Electrolyser SGJ/Q4302	3	Total 330 Hours i.e. 11 Credits (Theory: 130 hours+Practical : 110 hours+ 30 hours of employability skills + 60 hours of OJT)	<ul style="list-style-type: none"> <li>10th grade pass with NA of experience</li> <li>8th grade pass (with two year of (NTC/ NAC) after 8th) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level (NSQF Level 2.5 ) with 1-2 Years of experience</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
<b>GREEN HYDROGEN</b>	5	Green Hydrogen Plant Junior Technician- Desalination SGJ/Q4303	3	Total 360 Hours : (Theory : 170 hours+Practical : 100 hours+ 30 hours of employability skills + 60 hours of OJT)	<ul style="list-style-type: none"> <li>• 10th Grade Pass</li> <li>• Grade 8th with 2-years of (NTC /NAC) after 8th</li> <li>• Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> </ul>
	6	Green Hydrogen Plant Junior Technician- Storage SGJ/Q4304	3	Total 360 Hours : (Theory : 170 hours + Practical : 100 hours + 30 hours of employability skills + 60 hours of OJT)	<ul style="list-style-type: none"> <li>• 10th Grade Pass</li> <li>• Grade 8th with 2-years of (NTC /NAC) after 8th</li> <li>• Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> </ul>
	7	Electrolyzer Manufacturing Plant Technician SGJ/Q4306	4	Total 420 Notional Hours : (Theory : 220 hours with Employability Skills + Practical : 140 hours + 60 hours of On-the-Job Training (OJT)	<ul style="list-style-type: none"> <li>• 12th grade Pass (Or Equivalent) with NA of experience</li> <li>• Pursuing 3rd year of 3-year diploma after 10th (Electrical/ Mechanical/ Chemical) with NA of experience</li> <li>• Previous relevant Qualification of NSQF Level (3.5)</li> <li>• Previous relevant Qualification of NSQF Level (3)</li> </ul>
	8	Electrolyzer Manufacturing Plant Supervisor SGJ/Q4305	5	Total 510 Hours of notional hours : (Theory: 250 hours with Employability Skills+Practical : 170 hours + 90 hours of On-the-Job Training (OJT)	<ul style="list-style-type: none"> <li>• 12th grade Pass (or equivalent)</li> <li>• 12th grade pass with 1 year NTC/ NAC</li> <li>• Completed 3-year diploma (after 10th)</li> <li>• Previous relevant Qualification of NSQF Level (4.5)</li> <li>• Previous relevant Qualification of NSQF Level (3)</li> </ul>
	9	Fundamentals of Financing for Green Hydrogen Project SGJ/MCr-0004	6	30 Hours	<ul style="list-style-type: none"> <li>• Pursuing first year of 2-year PG program after completing 3 year UG degree (in commerce/business administration/economics/science or in a related discipline) with NA of experience</li> <li>• Pursuing 4th year UG (in case of 4-year UG with honours/ honours with research) (B Tech/BE in any engineering discipline) with NA of experience</li> <li>• Completed 4 year UG program (BE/BTech in any engineering discipline) with NA of experience</li> <li>• Completed 4 year UG program ((B.Sc.(Hons) in Chemistry/ Economics or in a related discipline) with NA of experience</li> <li>• Completed 3 year UG degree (in Commerce/Business Administration/ Applied Sciences/ Finance/Economics or in a related discipline) with 1-2 Years of experience with 1.5 years of relevant experience in project finance/banking/ consulting/energy or infrastructure sector</li> <li>• Previous relevant Qualification of NSQF Level (5) with 3 Years of experience of relevant work experience in project finance/banking/ consulting/energy sector/ infrastructure or in a related segment</li> <li>• Previous relevant Qualification of NSQF Level (5.5) with 1-2 Years of experience 1.5 years of relevant experience in project finance/banking/consulting/ energy sector/infrastructure or in a related segment</li> </ul>
	10	Overview of instrumentation and control for green hydrogen plant SGJ/MCr-0005	6	30 Hours	<ul style="list-style-type: none"> <li>• Pursuing 4th year UG (in case of 4-year UG with honours/honours with research) [BE/BTech /UG (Hon) (Instrumentation/ Chemical or in a related discipline)] with NA of experience</li> <li>• Completed 4 year UG program [B.E/B.Tech/UG(Hon) (Instrumentation/Chemical or in a related discipline) ] with NA of experience</li> <li>• Completed 3 year UG degree [(B.Sc. in Chemistry)]</li> <li>• Previous relevant Qualification of NSQF Level (5) with 3 Years of experience of experience in hydrogen, other process gas industry and instrumentation across relevant industry sector</li> <li>• Previous relevant Qualification of NSQF Level (5.5) with 1-2 Years of experience 1.5 years of experience in hydrogen, other process gas industry and instrumentation across relevant industry sector</li> </ul>



# Standards & Research Group 2023 - 2024



## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

## TRAINING & ASSESSMENT CAPACITY



**Certified Trainers**  
4717\*



**Certified Assessors**  
756\*



**Trained and Certified Candidates**  
561720\*



**No. of States and UTs Covered**  
28\*



**Affiliated Training Centers (PAN INDIA)**  
909\*

\* Numbers as on June 2024

## Qualifications / Job Roles

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
WIND ENERGY	1	CMS Engineer - Wind Power Plant SGJ/Q1501	5	480 hours (240 hours mandatory modules + 60 hours employability skills + 180 hours OJT)	<ul style="list-style-type: none"> <li>Completed 2nd year of UG</li> <li>Pursuing 2nd year of UG and continuous education</li> <li>Completed 2nd year of diploma (after 12th)</li> <li>Pursuing 2nd year of 2-year diploma after 12th</li> <li>12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10th with 1 year relevant experience</li> <li>12th Grade pass with 2 year relevant experience</li> <li>10th Grade pass with 4 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience</li> </ul>
	2	Construction Technician- Wind Power Plant SGJ/Q1401	4	420 hours (120 hours mandatory modules + 60 hours employability skills + 180 hours OJT + 60 hours of either 1 elective)	<ul style="list-style-type: none"> <li>12th Grade Pass without experience</li> <li>10th Grade Pass plus 2 year NTC/ 10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling without experience</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience</li> </ul>
	3	O&M Electrical & Instrumentation Technician – Wind Power Plant SGJ/Q1503	4	420 hours (240 hours mandatory modules + 60 hours employability skills + 120 hours OJT)	<ul style="list-style-type: none"> <li>12th Grade Pass without experience</li> <li>10th Grade Pass plus 2 year NTC/ 10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling without experience</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
WIND ENERGY	4	O&M Mechanical Technician - Wind Power Plant SGJ/Q1502	4	420 Hours (240 hours mandatory modules + 60 hours employability skills + 120 hours OJT)	<ul style="list-style-type: none"> <li>12th Grade Pass without experience</li> <li>10th Grade Pass plus 2 year NTC/10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling without experience</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience</li> </ul>
	5	Project Assistant Planner - Wind Power Plant SGJ/Q1201	3	330 hours (210 hours mandatory modules + 30 hours employability skills + 90 hours OJT)	<ul style="list-style-type: none"> <li>Grade 10 with no experience required</li> <li>Grade 8 with two year of (NTC/ NAC) after 8th with no experience required</li> <li>Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience required</li> <li>8th grade pass with 2 years relevant experience</li> <li>5th grade pass with 5 years relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience</li> </ul>
	6	Wind Resource Assessor and Site Surveyor- Wind Power Plant SGJ/Q1202	5	480 Hours (240 hours mandatory modules + 60 hours employability skills + 180 hours OJT)	<ul style="list-style-type: none"> <li>Completed 2nd year of UG</li> <li>Pursuing 2nd year of UG and continuous education</li> <li>Completed 2nd year of diploma (after 12th)</li> <li>Pursuing 2nd year of 2-year diploma after 12th</li> <li>12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10th with 1 year relevant experience</li> <li>12th Grade pass with 2 year relevant experience</li> <li>10th Grade pass with 4 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience</li> </ul>
SMALL HYDRO	7	Small Hydro Power Plant Technician (Jal Urja Mitra SGJ/Q0604	4	450 hours (180 hours mandatory modules + 60 hours employability skills + 90 hours OJT + 120 hours of either 1 elective)	<ul style="list-style-type: none"> <li>12th Grade Pass without experience</li> <li>10th Grade Pass plus 2 year NTC/ 10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling without experience</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience</li> </ul>



# Standards & Research Group 2023 - 2024



## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

## TRAINING & ASSESSMENT CAPACITY

**Certified Trainers**  
4717\*

**Trained and Certified Candidates**  
561720\*

**Affiliated Training Centers (PAN INDIA)**  
909\*

**Certified Assessors**  
756\*

**No. of States and UTs Covered**  
28\*

\* Numbers as on June 2024

## Qualifications / Job Roles

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
<b>BIO-ENERGY</b>	1	Biomass Depot Operator SGJ/Q6207	4	390 hours (including 210 hours of compulsory modules + 60 hours of Employability modules and 120 hours of OJT)	<ul style="list-style-type: none"> <li>10th Pass with 2 years of experience</li> <li>NSQF Level 3 certified Agri Residue Aggregator with 1 year of suitable experience</li> </ul>
	2	Animal Waste Manure Aggregator SGJ/Q6302	3	390 Hours (240 hours with 30 hours employability module + 90 OJT + 60 hours of either elective)	<ul style="list-style-type: none"> <li>10th Pass</li> </ul>
	3	Agri-residue Aggregator SGJ/Q6201	3	330 Hours including 240 hours of compulsory modules with 30 hours of Employability Skills+90 hours of recommended OJT	<ul style="list-style-type: none"> <li>10th Pass</li> <li>Ability to read and write with 3 years of relevant experience</li> </ul>
	4	Feedstock Manager - Procurement and Composition SGJ/Q0501	6	600 hours including Theory : 180 + Practical : 210 + OJT : 120 + ES : 90	<ul style="list-style-type: none"> <li>Pursuing first year of 2-year PG program after completing 3 year UG degree (in relevant field e.g., Agriculture/Environmental Science)</li> <li>Pursuing PG diploma after 3 year UG degree (in relevant field e.g., Agriculture/ Environmental Science).</li> <li>Completed 4 year UG (in case of 4-year UG with honours/ honours with research, in relevant field e.g., Agriculture/Environmental Science etc).</li> <li>12th Grade Pass with 2 years of Vocational Education &amp; Training with 2 years of relevant experience (e.g. in bioenergy)</li> <li>12th Grade with 1 year NTC plus 1 year NAC/CITS with 2 year relevant experience (e.g. in bioenergy)</li> <li>12th grade pass with 4 years relevant experience.(e.g. in bioenergy, etc)</li> <li>Previous relevant Qualification of NSQF Level 5 (e.g. Supervisor – Operations and Maintenance Compressed Biogas/Waste to Energy - Level 5) with 3 years of relevant experience (e.g. in bioenergy/ waste to energy sector, etc)</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
BIO-ENERGY	5	Manager- Waste Management SGJ/Q6501	6	Total 600 includes Theory : 120 (110+10) + Practical : 150 (130 + 20) + OJT : 240 +ES : 90 (with one elective)	<ul style="list-style-type: none"> <li>Pursuing first year of 2-year PG program after completing 3 year UG degree (in relevant field e.g., Agriculture/Environmental Science)</li> <li>Pursuing PG diploma after 3 year UG degree (in relevant field e.g., Agriculture/Environmental Science).</li> <li>Completed 4 year UG (in case of 4-year UG with honours/ honours with research) (in relevant field e.g., Agriculture/Environmental Science, etc).</li> <li>12th Grade Pass with 2 years of Vocational Education &amp; Training with 2 years of relevant experience ( e.g. in Agriculture/Environmental Science, etc)</li> <li>12th Grade with 1 year NTC plus 1 year NAC/CITS with 2 year relevant experience (e.g. Agriculture/Environmental Science, etc)</li> <li>12th grade with 1 year NAC plus CITS with 2 years relevant experience</li> <li>12th grade pass with 4 years relevant experience. (e.g. in waste management sector, etc)</li> <li>Supervisor – Operations and Maintenance Compressed Biogas/Waste to Energy - Level 5 with 3 years of relevant work experience.</li> </ul>
	6	Plant Head - Operations Compressed Biogas/ Waste to Energy SGJ/QQ0607	7	Total 690 includes : Theory : 180 + Practical : 240 + OJT : 180 + ES : 90	<ul style="list-style-type: none"> <li>Pursuing PhD with no Experience Required</li> <li>Pursuing 2nd year of 2 year PG Eng. with no Experience Required</li> <li>Completed 3 year UG degree with 3 years of relevant experience</li> <li>Completed 4 year UG degree with Honours/ Honours with research with 2 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 6 with 3 years of relevant experience</li> </ul>
	7	Supervisor – Operations & Maintenance Compressed Biogas/ Waste to Energy SGJ/Q605	5	Total 510 notional hours (Theory : 180 + Practical : 210 + OJT : 60+ES : 60)	<ul style="list-style-type: none"> <li>Completed 2nd year of UG</li> <li>Pursuing 2nd year of 2-year diploma after 12th with no experience required</li> <li>12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10th with 1 year relevant experience</li> <li>12th Grade pass with 2 year relevant experience.( e.g. in bioenergy, etc)</li> <li>10th Grade pass with 4 year relevant experience.( e.g. in bioenergy, etc)</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience. ( e.g. in bioenergy, etc)</li> </ul>
	8	Technician – Operations and Maintenance Compressed Biogas/ Waste to Energy SGJ/Q606	4	Total 420 notional hours (including Theory : 90 + Practical : 150 + OJT : 120 + ES : 60)	<ul style="list-style-type: none"> <li>12th Grade Pass</li> <li>Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma</li> <li>10th Grade Pass plus 2 year NTC/ 10th Grade Pass plus 1 year NTC plus 1 year NAC</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>8TH grade pass with 4 years experience</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience ( e.g. in bioenergy)</li> </ul>
	9	Biomass Pellet Manufacturing Junior Technician SGJ/Q4201	3	Total 300 Hours i.e., 10 Credits (Including 210 Hours of domain NOS + 30 hours of Employability + 60 hours of On the Job Training OJT )	<ul style="list-style-type: none"> <li>10th grade pass</li> <li>8th grade pass (with two year of [NTC/ NAC] after 8th) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level (NSQF Level 2.5) with 1-2 Years of experience 1.5-year relevant experience</li> </ul>
	10	Bio-Energy Micro Entrepreneur SGJ/Q4102	4	450 Hours (70 hours Theory + 110 hours Practical+120 hours of On-the-Job Training (OJT) + 60 hours Employability module + 90 hours any Elective	<ul style="list-style-type: none"> <li>10th grade pass and pursuing continuous schooling</li> <li>12th grade pass (all streams) with no experience</li> <li>Completed 2nd year of 3-year diploma (after 10th)</li> <li>10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.</li> <li>8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3 with 3 years of relevant experience</li> </ul>
CLEAN COOKING	11	Portable Improved Cookstove Assembler SGJ/Q2102	3	330 hours (90 hours Theory + 120 hours Practical + 30 hours employability skills + 90 hours OJT)	<ul style="list-style-type: none"> <li>Ability to read and write with 5 years of experience</li> <li>5th grade pass with 4 years of experience</li> <li>8th grade pass with 1 year of experience</li> <li>Grade 9th pass</li> </ul>
	12	Improved Cookstove Installer SGJ/Q2101	4	390 hours (120 hours Theory + 150 hours Practical + 60 hours Employability Skills + 60 hours OJT)	<ul style="list-style-type: none"> <li>10th pass with 2 years of experience</li> <li>Certified Portable Improved Cookstove Assembler at NSQF level 3 with 1 year of relevant work experience</li> </ul>
	13	Clean Cookstove Sales and Maintenance Executive SGJ/Q2104	4	390 hours (120 hours Theory + 150 hours Practical + 60 hours Employability skills + 60 hours OJT)	<ul style="list-style-type: none"> <li>11th Grade pass</li> <li>10 grade pass and pursuing continuous schooling</li> <li>10th Grade pass with 2 years of relevant experience</li> <li>Certified Portable Improved Cookstove Assembler at NSQF level 3 with minimum education as 5th grade pass with 2 year of relevant work experience</li> </ul>
	14	Clean Cookstove Distributor SGJ/Q2105	5	480 hours (120 hours Theory + 150 hours Practical + 60 hours employability skills + 150 hours OJT)	<ul style="list-style-type: none"> <li>12th Pass with 1 year vocational education &amp; training(NTC or NAC or CITS)</li> <li>Certified Clean Cookstove Sales and Maintenance Executive/ Improved Cookstove Installer at NSQF level 4 with minimum education as 8th grade pass with 3 years of relevant work experience</li> <li>12th grade pass with 2 years of relevant experience</li> <li>10th grade pass with 4 years of relevant experience</li> </ul>



# Standards & Research Group 2023 - 2024



## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

## TRAINING & ASSESSMENT CAPACITY



**Certified Trainers**  
4717\*



**Certified Assessors**  
756\*



**Trained and Certified Candidates**  
561720\*



**No. of States and UTs Covered**  
28\*



**Affiliated Training Centers (PAN INDIA)**  
909\*

\* Numbers as on June 2024

## Qualifications / Job Roles

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
WASTE MANAGEMENT	1	Safai Mitra SGJ/Q6102	3	Total 360 Notional Hours i.e. 12 Credits (Including Theory: 150 hours + Practical: 150 Hours + 60 hours of OJT)	<ul style="list-style-type: none"> <li>Ability to read and write with 5 Years of experience relevant experience</li> <li>Previous relevant Qualification of NSQF Level (2.5)</li> </ul>
	2	Material Recovery Facility (MRF) Micro-Entrepreneur SGJ/Q4103	4	420 hours (75-hour theory + 135 hours practical+120 hours On the Job Training (OJT) + 90 hours of employability)	<ul style="list-style-type: none"> <li>12th grade pass</li> <li>Completed 2nd year of 3-year diploma (after 10th)</li> <li>Pursuing 2nd year of 3-year regular Diploma (after 10th)</li> <li>10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.</li> <li>8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS</li> <li>10th Grade Pass and pursuing continuous schooling</li> <li>Previous relevant Qualification of NSQF Level 3.0 with 3-year relevant experience</li> </ul>
	3	Plastic Recycling Operator SGJ/Q4005	3	360 hours includes 240 hours (Theory+ Practical) +30 hours Employability Skills+90 hours On the Job Training (OJT)	<ul style="list-style-type: none"> <li>Grade 10 with no experience required</li> <li>Grade 8 with two year of (NTC/ NAC) after 8th with no experience required</li> <li>Grade 8 pass and pursuing continuous schooling in regular school with vocational subject with no experience required</li> <li>8th grade pass with 2years relevant experience</li> <li>5th grade pass with 5 years relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2 with 3 year relevant experience</li> </ul>
	4	Plastic Recycling Micro-Entrepreneur SGJ/Q4104	4	450 hours (95-hour theory + 175 hours practical+120 hours On the Job Training OJT + 60 hours of employability)	<ul style="list-style-type: none"> <li>12th grade pass</li> <li>Completed 2nd year of 3-year diploma (after 10th)</li> <li>Pursuing 2nd year of 3-year regular Diploma (after 10th)</li> <li>10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.</li> <li>8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS</li> <li>10th Grade Pass and pursuing continuous schooling</li> <li>Previous relevant Qualification of NSQF Level 3.0 with 3 year relevant experience</li> </ul>



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
WASTE MANAGEMENT	5	Biomedical Waste Management-Nursing and Paramedical Staff SGJ/MCR0002	4.5	30 hours	<ul style="list-style-type: none"> <li>Completed 1st year of UG (UG Certificate) ([Nursing/Paramedical/BSc (Science)]) with NA of experience</li> <li>Pursuing 1st year of UG (3-year/4-year UG ([Nursing/Paramedical/BSc (Science)]) and continuous education) with NA of experience</li> <li>Completed 1st year of diploma (after 12th) (2 year diploma (Medical Laboratory Technology/Nursing) (after 12th)) with NA of experience</li> <li>Pursuing 2nd year of 2-year diploma after 12th (2-year diploma (Medical Laboratory Technology/Nursing) and continuing education) with NA of experience</li> <li>12th grade Pass with 1 Year of experience experience at Healthcare unit</li> <li>Certificate-NSQF (3.5 Level) with 3 Years of experience relevant</li> </ul>
	6	Waste Optimisation Professional SGJ/Q5002	6	Total 570 hours (Theory : 120 hours Practical : 210 hours OJT : 150 hours Employability skills: 90 hours)	<ul style="list-style-type: none"> <li>Completed 4 year UG program (in relevant field ) with 1 Year of experience of relevant experience</li> <li>Completed 3 year UG degree ( in relevant field ) with 2 Years of experience of relevant experience</li> <li>12th Class (+2 year of diploma in relevant field ) with 3 Years of experience of relevant experience</li> <li>Previous relevant Qualification of NSQF Level (5.5) with 1-2 Years of experience with 1.5 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level (5) with 3 Years of experience of relevant experience</li> </ul>
	7	Desludging Operator SGJ/Q6403	3	360 hours (240 hours mandatory NOS + 90 hours of OJT + 30 hours Employability module)	<ul style="list-style-type: none"> <li>Ability to read and write with 5 years of relevant experience</li> <li>5th Pass+3 years of experience in masonry/plumbing work</li> <li>8th Pass+1 year of experience in masonry/plumbing work</li> <li>9th Pass</li> </ul>
	8	Rooftop Rainwater Harvesting Entrepreneur SGJ/Q4101	4	420 Hours including 330 hours of mandatory NOS and 90 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience</li> <li>10th Class Pass + NTC (2 years after Class 10th)</li> <li>10th Class Pass plus 3 Years Diploma</li> <li>12th Class Pass, plus 6 months of relevant experience</li> <li>Certified on Rainwater Harvesting Technician NSQF Level 3, with 2 years of relevant experience</li> </ul>
	9	Junior Technician- Rooftop Rainwater Harvesting SGJ/Q4003	3	330 Hours including 270 Hours of Mandatory NOS and 60 hours of On the Job Training (OJT)	<ul style="list-style-type: none"> <li>8th Class Pass + NTC (2 years)</li> <li>Class 10th Pass</li> <li>Previous relevant Qualification of NSQF</li> </ul>
	10	Sewer Entry Professional SGJ/Q4007	3	Total 330 Hours i.e. 11 Credits (Theory 80hrs+ Practical 130 hrs) + 30hrs employability skills + 90 hrs OJT	<ul style="list-style-type: none"> <li>5th grade pass with 5 Years of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field</li> <li>Previous relevant Qualification of NSQF Level ( 2.5) with 6 Months of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field</li> <li>Previous relevant Qualification of NSQF Level ( 2) with 1 Year of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field</li> </ul>
	11	Junior Technician- Mechanized Sewer Cleaning SGJ/Q4006	3	330 (90 hours theory + 120 hours practical + 90 hours OJT + 30 hours of employability skills)	<ul style="list-style-type: none"> <li>5th Grade pass with 5 years of relevant experience</li> <li>Grade 8 pass with two years of (NTC/ NAC) after 8th</li> <li>8th Grade Pass with 2 years relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 2 with 3 years of relevant experience</li> <li># Relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field</li> </ul>
	12	Wastewater Treatment Plant Helper SGJ/Q6602	Under Revision	Under Revision	Under Revision
	13	Wastewater Treatment Plant Technician SGJ/Q6601	Under Revision	Under Revision	Under Revision



# Standards & Research Group 2023 - 2024



## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

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## Qualifications / Job Roles

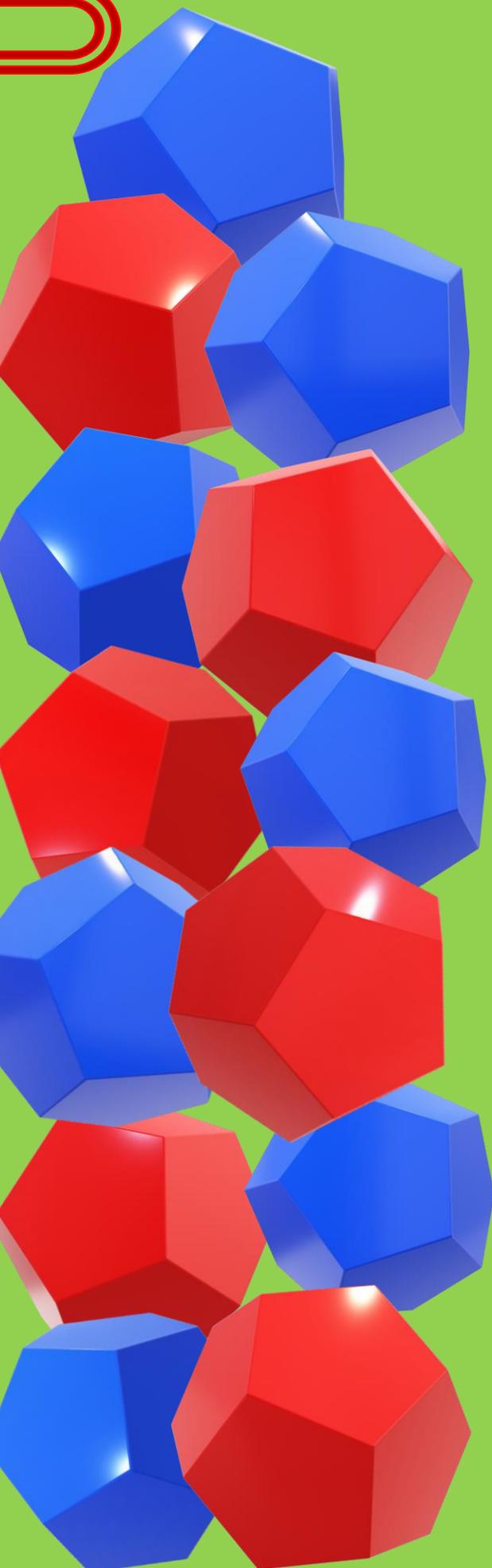
Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
SUSTAINABILITY	1	Green Logistics Practices SGJ/N4601	4	30 hours	<ul style="list-style-type: none"> <li>12th Class (or equivalent)</li> <li>10th Class with 2 Years of experience</li> <li>8th grade pass plus 2-year NTC plus 1 Year NAC with 2 Years of experience</li> </ul>
	2	GHG Accounting and Sustainability Reporting SGJ/MCR0001	6	30 hours	<ul style="list-style-type: none"> <li>Pursuing first year of 2-year PG program after completing 3 year UG degree [(Maths/Chemistry/Physics/Management/Commerce/Economics)] with NA of experience</li> <li>Pursuing PG diploma after 3 year UG degree [(Maths/Chemistry/Physics/Management/Economics)] with NA of experience</li> <li>Completed 4 year UG program (in Engineering/Maths/Chemistry/Physics/Economics(honours)/Commerce(honours)) with NA of experience</li> <li>Pursuing 4th year UG (in case of 4-year UG with honours/ honours with research (Engineering/Maths/Chemistry/Physics/Economics(honours)/Commerce (honours) and continuing education) with NA of experience</li> <li>Completed 3 year UG degree [(Maths/Chemistry/Physics/Management/Economics)] with 3 Years of experience of Relevant experience in management/ consultancy/research in sustainability, circular economy, etc.</li> <li>Certificate-NSQF (5)</li> <li>Certificate-NSQF (5.5)</li> </ul>
	3	Optimize resource utilization at workplace SGJ/N1702	3	30 hours	N/A
	4	Adopt sustainable practices at workplace SGJ/N1703	3	30 hours	N/A



# Standards & Research Group 2023 - 2024

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
ECOTOURISM	5	Nature Conservator Cum Ecotourism Guide SGJ/Q1803	4	Total 420 Hours i.e. 14 Credits (Theory : 90 hours ; Practical : 240 hours; OJT:60 hours and Employability Skills: 30 hours)	<ul style="list-style-type: none"> <li>• 12th Class (or equivalent) with NA of experience</li> <li>• 10th Class with 2 Years of experience of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (3.5) with 1-2 Years of experience with 1.5 years of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (3) with 3 Years of experience of relevant experience</li> </ul>
	6	Apiculturist (wild bee) – NTFP (Non Timber Forest Produce) SGJ/Q3301	2	Total 240 hours (Theory : 65 hours, Practical : 145 hours and Employability Skills : 30 hours)	No formal education prescribed
	7	Micro-Entrepreneur – NTFP (Non Timber Forest Produce) – Plant Origin SGJ/Q3101	4	Total 420 (Theory : 10 + 90 (Any Elective) hours : Practical : 20+ 180(Any Elective) hours OJT: 60 hours and employability skills 60 hours)	<ul style="list-style-type: none"> <li>• 12th Class (or equivalent) with NA of experience</li> <li>• 10th Class with 2 Years of experience of relevant experience</li> <li>• 10th grade pass (with two years of NTC)</li> <li>• Previous relevant Qualification of NSQF Level (3.5) with 1-2 Years of experience with 1.5 years relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (3) with 3 Years of experience relevant experience</li> </ul>





# Strategy & Operations Group



# Strategy & Operations Group 2023 - 2024

The Assessment and Assurance Group operationalizes the national occupational standards and maintain the quality of the training programs. The major activities of this division is as follows:

<b>01</b> Affiliating suitable training partners and assessment agencies	<b>02</b> Organization of meetings of Affiliation Sub-committee	<b>03</b> Mapping of Training Centers on National Portal with unique identification numbers
<b>04</b> Training of Trainers (ToT)	<b>05</b> Planning of Delivery of Training by affiliated Training Centers as per annual targets	<b>06</b> Assessment through third party
<b>07</b> Certification of candidates	<b>08</b> Coordination with NSDC and uploading of data on National Portal	

## Major Achievements during April 2023 - June 2024

S.No	Scheme	Candidates Certified During April 2023-June 2024
1	PMKVY STT	3597
2	PMKVY special projects	750
3	PMKVY RPL	10165
4	Govt. Schemes e.g., MNRE, NSKFDC, NULM, NBCFDC etc.	19643
5	Market mode program	6188
6	State Govt. Funded Programs	2321
7	Conducted TOMT	20
8	Conducted TOT	1264 Trainers
9	Conducted TOA	71 Assessors
10	B.Voc Trainings	321
11	AICTE-PMKVY-TI	0
12	International Solar Alliance Training	0
13	IRISE	0

### Cumulative Status

- ✓ Affiliated 909 Training Centres
- ✓ 8 Assessments Agencies as per the new SOP issued by NCVET
- ✓ Total Certifications 5.61 lakhs



# Strategy & Operations Group 2023 - 2024

## Major Achievements of Strategy & Operations Group

Skill Council for Green Jobs have been conducting Short term as well as RPL trainings and certification through its affiliated training partners and assessment agencies. The group has focused on following activities during the year:

<p>Training of Trainer</p>	<p>SCGJ has conducted Training of Trainer program for Solar, Green Hydrogen, Wind, Small Hydro and Waste Management Domain. The domain wise numbers are as follows:</p> <ul style="list-style-type: none"> <li>✓ Solar Domain: 946</li> <li>✓ Green Hydrogen: 28</li> <li>✓ Waste Management: 198</li> <li>✓ Wind Energy Domain: 52</li> <li>✓ Small Hydro: 19</li> <li>✓ Other Green Jobs: 21</li> </ul>
<p>Training of Assessor</p>	<p>SCGJ has conducted Training of Assessor program for Solar, Green Hydrogen, and Waste Management Domain &amp; Other Green Jobs . The domain wise numbers are as follows:</p> <ul style="list-style-type: none"> <li>✓ Solar Domain: 51</li> <li>✓ Green Hydrogen: 2</li> <li>✓ Waste Management: 10</li> <li>✓ Small Hydro: 8</li> </ul>
<p>India Skills Competition</p>	<p>SCGJ has participated in India Skills Competition in Renewable Energy &amp; Water Technology in Yashobhoomi, New Delhi.</p>
<p>Training on SEMS</p>	<p>34</p>
<p>One Day Workshop on Hazardous Cleaning of Sewer and Septic Tanks supported by National Safai Karmachari Finance &amp; Development Corporation (NSKFDC)</p>	<p>SCGJ has conducted 35 one day workshop on Hazardous Cleaning of Sewer and Septic Tanks supported by National Safai Karmachari Finance &amp; Development Corporation (NSKFDC) in various municipal corporation Pan India.</p>
<p>Assessments &amp; Certification for State Missions</p>	<p>SCGJ has conducted assessment and certification in following State Missions:</p> <ul style="list-style-type: none"> <li>✓ Gujarat Skill Development Mission</li> <li>✓ Punjab State Skill Development Mission</li> <li>✓ Himachal Pradesh State Skill Development Mission</li> <li>✓ Uttar Pradesh Skill Development Mission</li> <li>✓ Maharashtra State Skill Development Mission</li> </ul>
<p>Empanelment of Assessment Agency</p>	<p>SCGJ has empanelled 8 assessment agencies for carry out the future assessments.</p>
<p>Azadi Ka Amrit Mahotsav</p>	<p>SCGJ completed a series of webinar under the banner of Azadi Ka Amrit Mahotsav. Conducted total of 100 webinars on various topics such as biomass, solar and many more.</p>

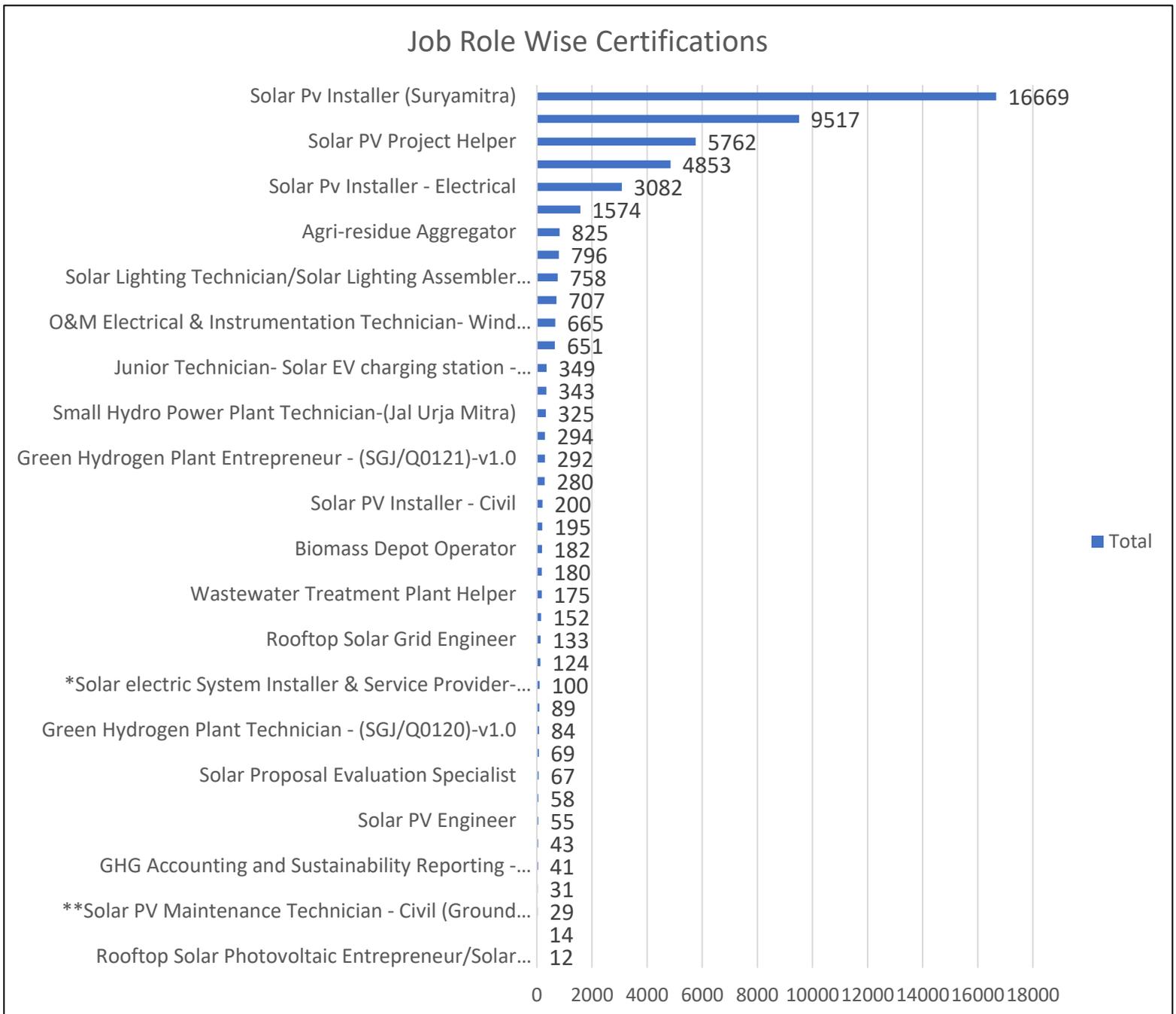


# Strategy & Operations Group 2023 - 2024

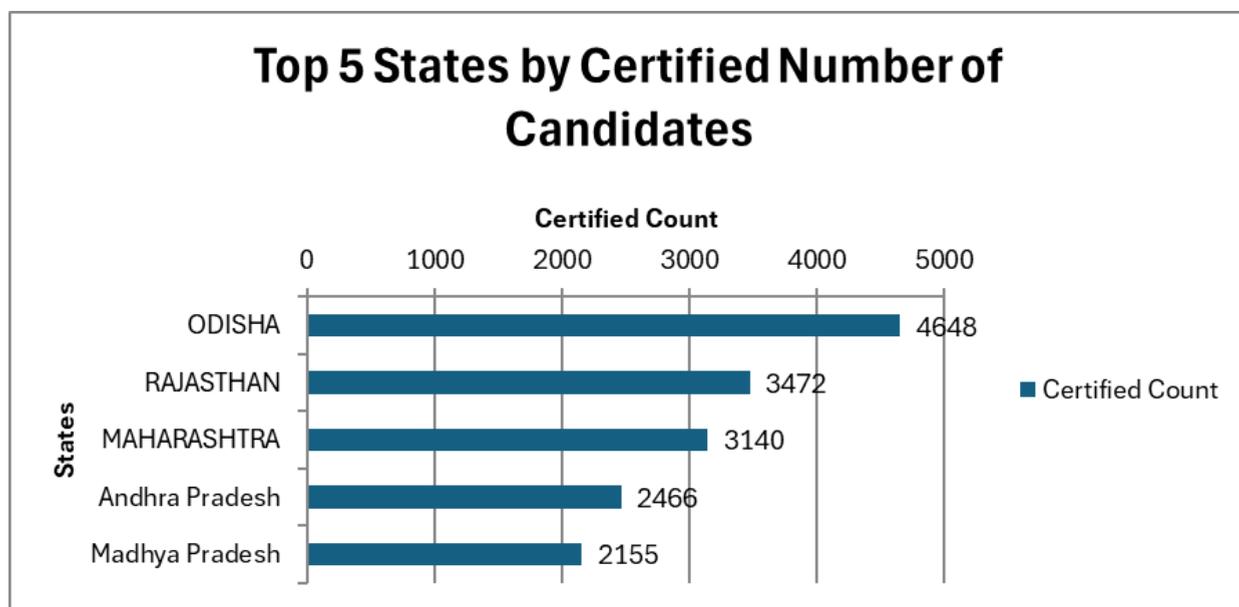
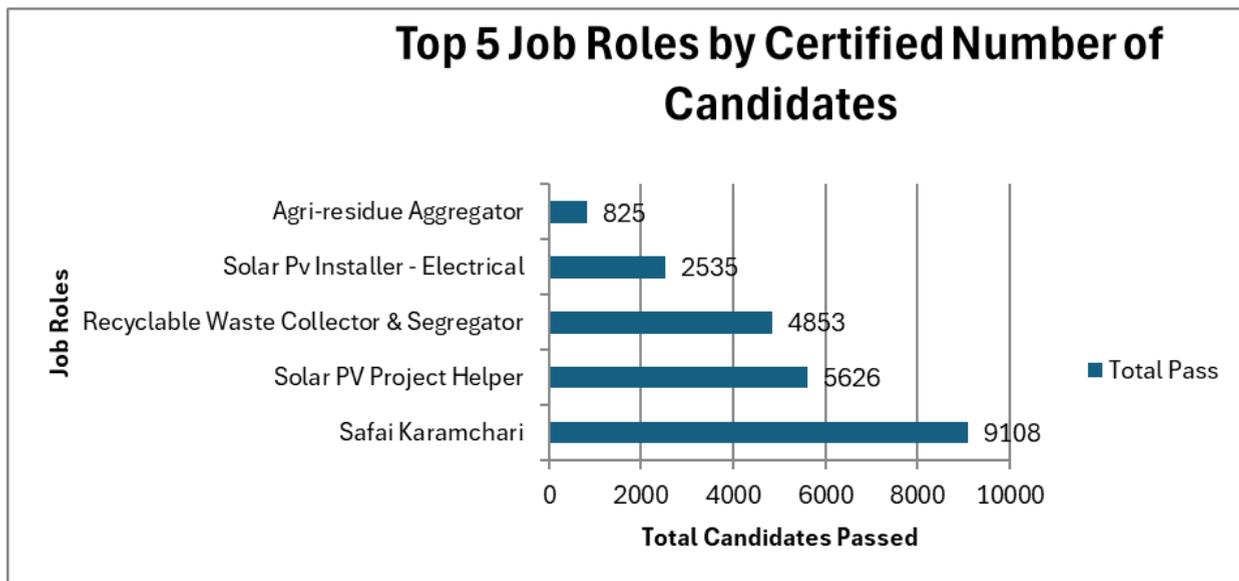
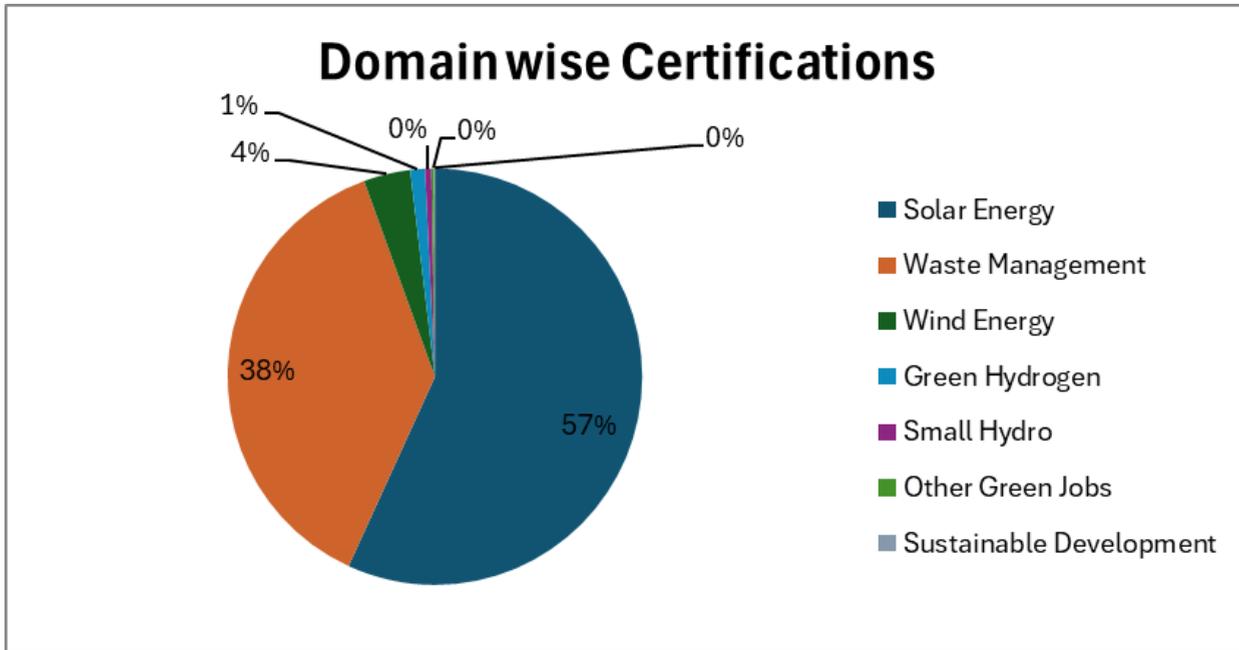
## Certification of candidates:

Skill Council for Green Jobs have been conducting Short term as well as RPL trainings and certification through its affiliated training partners and assessment agencies. Out of 79 NSQC approved QPs, 38 QPs are in active use under various Government schemes and market mode trainings. Various ministries under which SCGJ has trained and certified the candidates are: -

- Ministry of Skill Development & Entrepreneurship
- Ministry of New and Renewable Energy
- Ministry of Social Justice and Empowerment;
- Ministry of Housing and Urban Affairs
- Various State Skill Missions

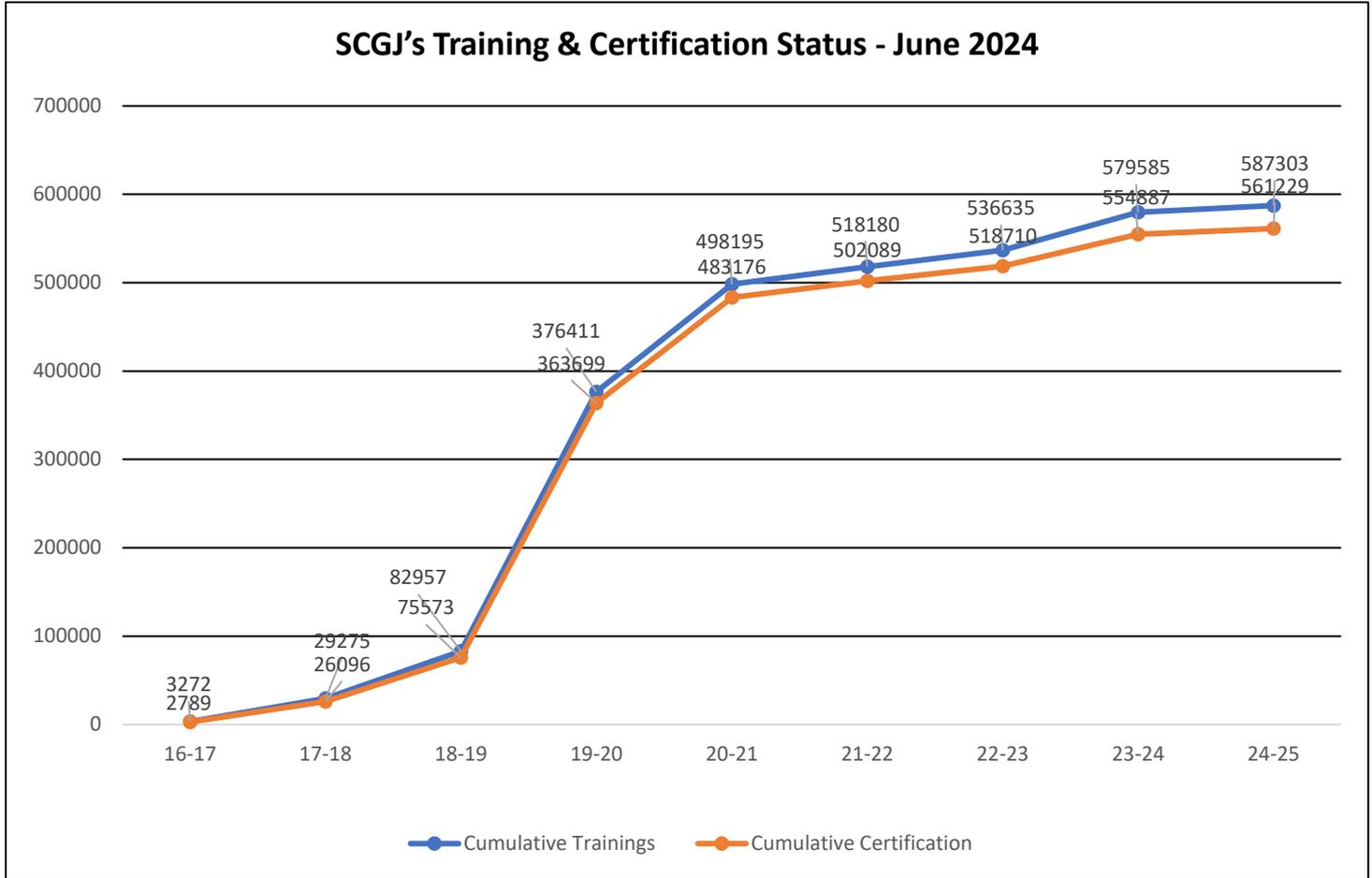


# Strategy & Operations Group 2023 - 2024



# Strategy & Operations Group 2023 - 2024

Year wise sector wise certified candidates details in Renewable Energy and Waste Management Sectors

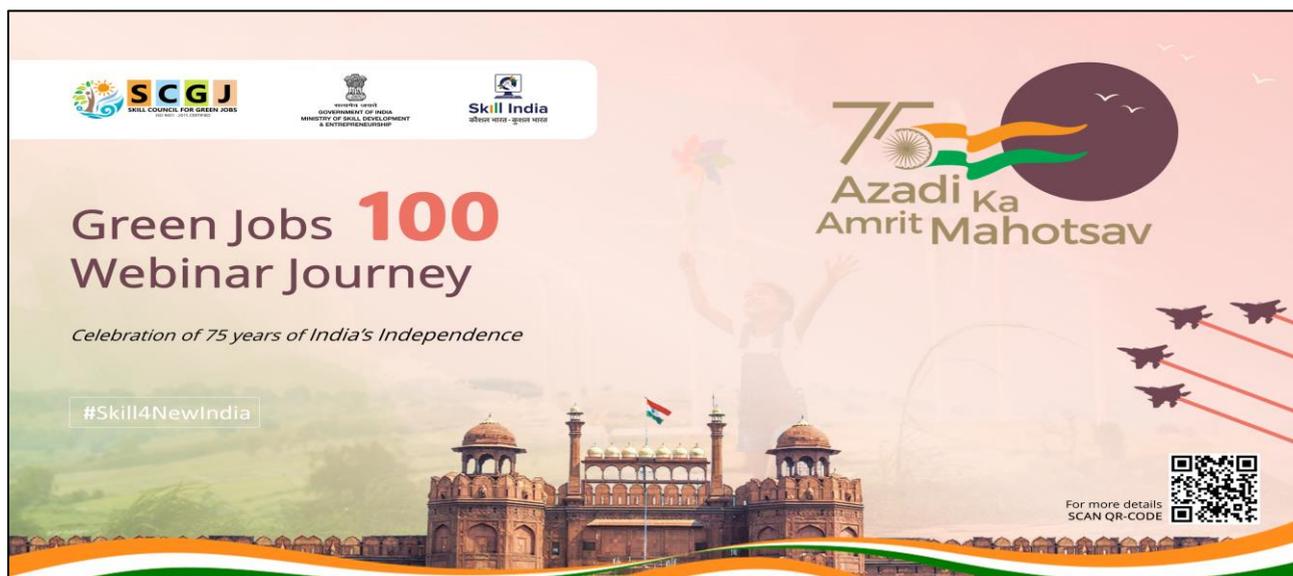


Numbers on Skill India Portal of Trainings by SCGJ		
Financial Year	Cumulative Trainings	Cumulative Certification
2016-17	3272	2789
2017-18	29275	26096
2018-19	82957	75573
2019-20	376411	363699
2020-21	498195	483176
2021-22	518180	502089
2022-23	536435	518510
2023-24	579585	554887
2024-25	587303	561229



## Strategy & Operations Group 2023 - 2024

### SCGJ Organised a series of 100 Webinars Series as part of Azadi Ka Amrit Mahotsav



Azadi Ka Amrit Mahotsav is an initiative of the Government of India to celebrate and commemorate 75 years of independence and the glorious history of its people, culture and achievements. This Mahotsav is dedicated to the people of India who have not only been instrumental in bringing India thus far in its evolutionary journey but also hold within them the power and potential to enable Prime Minister Narendra Modi's vision of activating India 2.0, fuelled by the spirit of Aatmanirbhar Bharat. Much of this journey has been possible due to the rich heritage of skills and craftsmanship that has strengthened the country. It is indeed a step towards aligning all its efforts with the larger vision of building a New India.

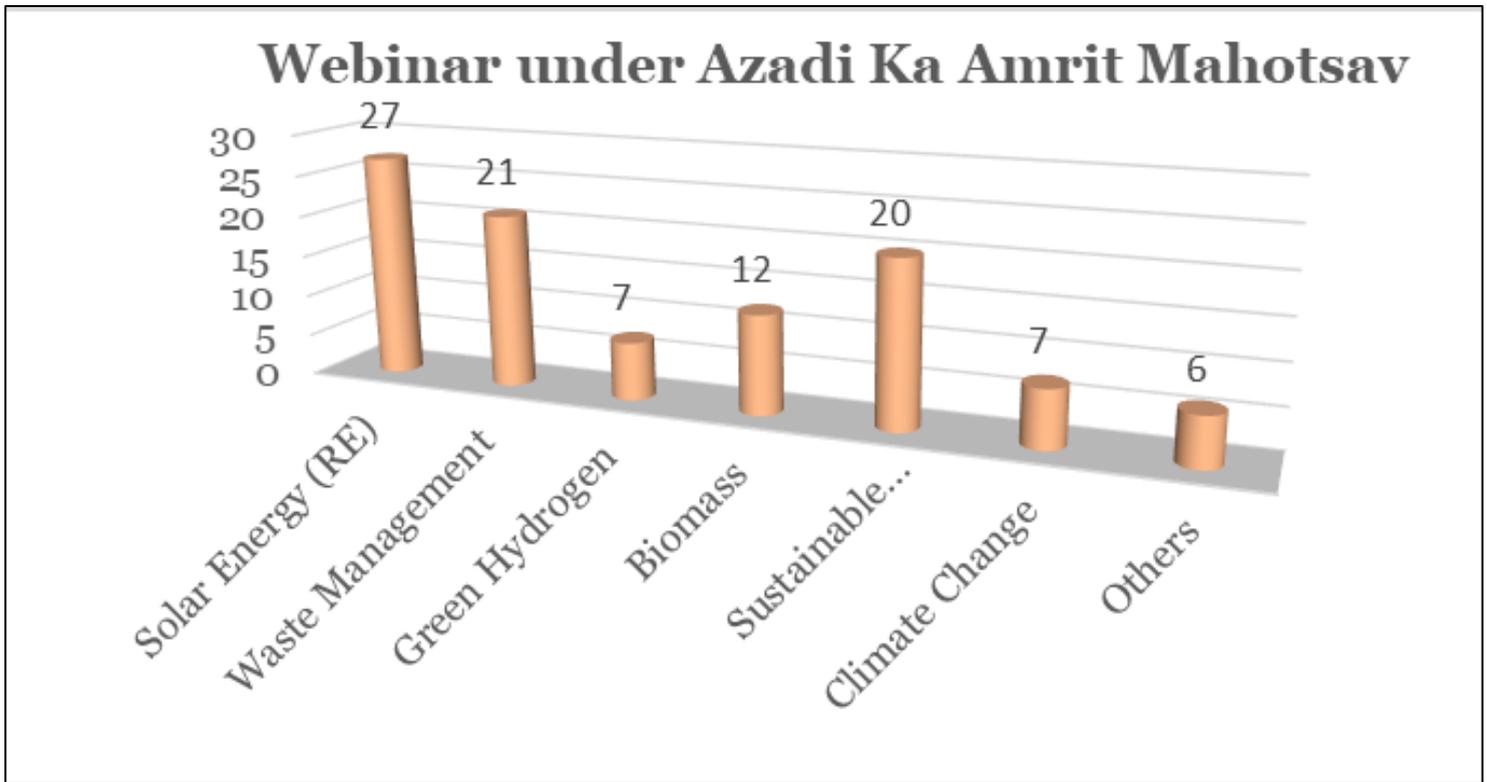
As a part of the 'Azadi ka Amrit Mahotsav', Skill Council for Green Jobs (SCGJ) had organized a series of Webinar on Sustainable Development, Renewable Energy and Waste Management by inviting eminent and learned Speakers so as to deepen the understanding of recent developments in these sectors. The first in the series was launched on 24th September 2021 and inaugurated by Mr. Sameer Gupta, the then– Chairman (SCGJ) and Dr. Praveen Saxena – CEO, SCGJ (2015-2024). SCGJ is continuing to bring eminent Speakers in diverse field/sectors so to enhance knowledge and learning and bring forth various development and innovation in Renewable Energy (RE), Sustainable Development and Waste Management as a part of the 'Azadi ka Amrit Mahotsav'. These webinars are a good source of the promotion of Skill Council for Green Jobs (SCGJ).

**Panel Discussion:** During the journey of 100 webinars around 110 Speakers gave provided presentations on different domain areas. We found that more than 6000 Participants participated and got benefited on various subjects. Out of 100 Webinars SCGJ organized and managed two Panel Discussions with distinguished and eminent speakers on the Subject of Green Hydrogen and Persons with Disability (PWD). Central Government is focused more on Green Hydrogen & therefore Green Hydrogen mission also being created. The Green Hydrogen Mission will help in India become energy independent and to decarbonize major sectors of the economy.

**Key Sector Covered through Webinar:** The Skill Council for Green Jobs (SCGJ) arranged and organized a hundred webinars and covered seven main sectors like Solar PV (RE), Green Hydrogen, Biomass, Climate Change, Sustainable Development, Waste Management and others. The topics covered under the heard "Others" are Geo Thermal Energy, MSME, Entrepreneurship. The number of webinars vis a vis the topics are given in the graph below.



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One of the major benefits of webinars is that it does not limit your learning. You can attend whatever session you want and at any time from any part of the globe. You are not limited to just gaining knowledge from your country. You can learn from the industry experts from all around the world. This is a great way of engaging with others, learning for more success. Webinars are time savvy, convenient and easy to attend.

**Conclusion:** The above webinars show that mostly participants are interested in attending interactive online lectures. Our webinars enabled participants/trainees to interact face to face through a computer or mobile in real time and therefore proved more effective in imparting knowledge & disseminating information.

This theme anchors our commemoration initiatives under Azadi Ka Amrit Mahotsav. The webinar theme focuses on programmes and events inspired by ideas and ideals that have shaped us and will guide us as we navigate through this period of Amrit Kaal. These webinars provided deferent topics under deferent theme. Webinar could scaled up with the support of our esteem speakers drawing in sizable & relevant audience. SCGJ could generate widespread interest in Solar, Waste Management, Green Hydrogen and sustainable development sectors.

SCGJ is thankful for the relentless support from everyone involved in making this series of 100 webinars a success. These webinars not provide knowledge only, but it is a very good networking platform to each other between speaker and participants. That is helps us to do the jointly projects and other several webinar and conferences etc.



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S.No.	Date	Webinar Topic	Guest Speaker Details
1	24/09/2021	Launch of webinar series and the inaugural webinar on Importance of Sustainable Development Goals and ways to achieve it	Dr. Adarsh Kumar Pandey, Associate Professor, Sunway University, Malaysia
2	01/10/2021	Entrepreneurial Opportunities in Solar	Mr. Vamsi Krishn, Director - Institute of Solar Power Energy & Vocational Training
3	11/10/2021	Day 1 Online Training - Standard Operating Procedure for the Solar PV Plant Installation	Mr. Vamsi Krishn, Director - Institute of Solar Power Energy & Vocational Training, Mr. Prem P Bharti, Technical Officer - Standard & Research, SCGJ
4	12/10/2021	Day 2 Online Training - Standard Operating Procedure for the Solar PV Plant Installation	
5	22/10/2021	Waste to Fuel	Mr. Sameer Rege, Director - Mailhem Environment Pvt. Ltd.
6	29/10/2021	Potential of Solar Energy for Increasing the Productivity and Profitability in Agriculture	Dr. Aniket Kalhapure, Assistant Professor, Department of Agronomy, Banda University of Agriculture and Technology, UP Govt.
7	12/11/2021	Upcycling Waste to Empowerment	Ms. Nilanjana Das, Founder Director, Action Center for Transformation
8	26/11/2021	Waste Management - Challenges & Strategies	Mr. Sourabh Manuja, Technical Expert, GIZ India
9	03/12/2021	Getting to Net Zero Carbon Emissions	Mr. Yi Hang Yu, Manager - Climate Change & Sustainability, Intertek Assuris, Hong Kong
10	10/12/2021	Greening the Grid: A Step towards meeting the COP26 Commitments	Dr. Abhinav Trivedi, Consultant (S&T), NITI Aayog, Govt. of India, New Delhi
11	31/12/2021	Future Business Opportunity in Solar & EV Charging Station	Mr. Sanyam Indurkha, Director, Saitech Energy Space Systems Pvt. Ltd., Bhopal, M.P
12	07/01/2022	Transitioning to Clean Cooking	Ms. Neha Juneja, Co-founder, Greenway Appliances
13	21/01/2022	Social & Behaviour Change Communication	Ms. Soma Biswas, Communication Advisor, GIZ
14	28/01/2022	Skilling in Organic Waste Management	Dr. Supreet Kaur, Technical expert, Management of Organic Waste in India (MOWI), GIZ.
15	04/02/2022	Reprocessing Blue Gold for Healthier Ecosystem	Mr. Randhir Singh, Founder & Promoter, Emperia Energy Pvt. Ltd.
16	11/02/2022	Water Management, Treatment, Conservation, Recycling and Recharge	Mr. Rameshwar Lal Dad, Founder & CEO, CONCEPT Group
17	18/02/2022	Water Harvesting, Rain & Storm Water Management	Mr. Anand Dad, Design Engineer, Rans Concept Developers
18	25/02/2022	Universal Access to Clean Energy - Challenges and Possible Ways	Dr. Manjushree Banerjee, Fellow, The Energy and Resources Institute
19	03/03/2022	Day 1 Virtual Training Program on Battery Energy Storage	Mr. Sameer Sharma, Design Engineer, Energy Storage, RWE gmbh Mr. Eric Yang, Senior Engineer of Energy Storage Solution, GoodWe Solar Mr. Prem P Bharti, Master Trainer, Skill Council for Green Jobs (Skill India) Ms. Shatrughan Yadav, Co- Founder and CTO, AHA Solar
20	04/03/2022	Day 2 Virtual Training Program on Battery Energy Storage	
21	11/03/2022	The Power of Positive Self Communication for Professional Success	Ms. Divyaa Kummar, Professional Communication Coach - NSDC Certified A Grade Trainer ToT Platform Skills
22	25/03/2022	Sustainable Supply Chain of Plastic Waste Management	Mr. Ashish Jain, Founder Director of Indian Pollution Control Association (NGO)
23	01/04/2022	Waste Management: Importance of awareness and its effects	Mr. Kuldeep Choudhary, Program Officer - Municipal Solid Waste programme of Centre for Science and Environment (CSE)
24	08/04/2022	Pharmaceutical Pollution & Sustainable Development Goals: Are they going the right way?	Ms. Prerna D Katyal, Pharmacy Officer Incharge, Directorate General of Health Services, Government of NCT of Delhi



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S.No.	Date	Webinar Topic	Guest Speaker Details
25	22/04/2022	Environment Friendly Building for Sustainable Development	Mr. Pravin Kumar Jha, General Manager, Associate with Anantraj Limited, New Delhi
26	29/04/2022	Challenges in the Bio-Energy Sector in India & Way Ahead	Colonel Rohit Dev, Chief Operating Officer, Punjab Renewable Energy Systems Pvt. Ltd.
27	06/05/2022	Air Pollution Mitigation through Smart Cities Program	Dr. Pratima Singh, Research Scientist, Domain Lead - Air Pollution at Center for Study of Science, Technology and Policy (CSTEP)
28	13/05/2022	Emotional Wellness at Workplace	Ms. Navroop Sood, CEO, Heal with Nav
29	20/05/2022	The Growth of Wind Energy in India and Underlying Opportunities	Mr. Martand Shardul, Policy Director, Global Wind Energy Council (GWEC), India
30	27/05/2022	Phasing-out Hazardous Plastic - A Transformational Livelihood-based Approach	K.J. Thomas, Chairman and Managing Director, Bioway Packs Pvt. Ltd.
31	03/06/2022	From Flower Trash to Cash: Recycling and Reuse through Value Addition	Dr. Gaurav Sharma, Associate Professor & Head, Rani Lakshmi Bai Central Agricultural University, Jhansi
32	10/06/2022	Production & Use of Biomass Pellets as Green Fuel	Mr. Amrit Khater, Director, Hi Tech Agro Energy Pvt. Ltd.
33	17/06/2022	Sustainable Development: A Right Approach to the Indian Economy	Prof. (Dr.) Monika Mehrotra, Director, BPM Girls Degree College, Uttar Pradesh
34	24/06/2022	Unlocking Green Job Opportunities in India's Clean Energy Sector	Dr. Akanksha Tyagi, Programme Associate, Council on Energy, Environment and Water (CEEW)
35	01/07/2022	Introduction to Various Energy Storage System: Parameters, Role, and Applications	Mr. Japen Gor, Certified Master Trainer & Course Designer, Solar Energy Consultant, Proprietor - GOREnewable Technology, Third Party Inspector & Researcher
36	08/07/2022	Carbon Sinks - Method and Type: Pathway to achieving Net Zero Emission	Dr. Vivek Kumar Singh, Research Scientist, Center for Study of Science, Technology and Policy (CSTEP), India.
37	15/07/2022	Steering Towards Sustainability	Mr. Niranjana Khatri, Founder, iSambhav
38	22/07/2022	Burnout to Burn Bright	Ms. Navroop Sood, CEO, Heal with Nav
39	29/07/2022	Creating Wealth from Waste: Opportunity and Challenges	Dr. Ratnesh Tiwari, Co-founder and Chief Executive Officer, Koshish Sustainable Solutions Private Limited
40	05/08/2022	Rooftop Solar Project: Zero Investment, Savings from Day 1, Moving towards Net Zero	Mr. Manu Srivastava, IAS, Principal Secretary - Board of Revenue, Government of Madhya Pradesh
41	12/08/2022	Agri-Voltaic - A Green Route to Address Energy and Food Crisis	Dr. Subhra Das, Professor and Head, Solar Engineering Department, Amity University, Haryana
42	26/08/2022	Biodiversity for Sustainable Development	Dr. Amit Pal, Assistant Professor & Former Head, Institute of Environment & Development Studies, Bundelkhand University, Jhansi, Uttar Pradesh
43	9/09/2022	Social Entrepreneurship in Biofuels	Er. Shrey Saxena, Director, Growdiesel
44	16-09-2022	Webinar on "Waste - An abundant and useful resource"	Dr. Narender Kumar, Director, Swalamban.
45	23-09-2022	Webinar on "Electrification of Unelectrified Villages through Solar Microgrid"	Mr. Prafulla V. Tayde, General Manager, Maharashtra Energy Development Agency (MEDA).
46	30-09-2022	Webinar on "A Circular Economy & Integrated Waste Management"	Mr. Prabhjot Sodhi, Sr. Program Director (Circular Economy) & Director MRAI (Hon.), Centre for Environment Education (CEE).
47	07-10-2022	Webinar on "Role of Green and Energy Efficient Buildings towards Net Zero Target"	Dr. Arun K. Tripathi, Adviser/Scientist 'G', Ministry of New and Renewable Energy.



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S.No.	Date	Webinar Topic	Guest Speaker Details
48	14-10-2022	Webinar on "INDIA at Seventy Five: Sustainable Development, Renewable Energy and Posterity"	Prof. Sakarama Somayaji, Volunteer Teacher - Shree Kshetra Hosakatte Trust, Mundadi, in Udupi, Karnataka.
49	21-10-2022	Webinar on "India's nationally determined contribution towards United Nations Framework Convention on Climate Change (UNFCCC)"	Mr. Sagar Sharma, Faculty at Infinity IAS Academy Delhi.
50	28-10-2022	Webinar on "Potential of Hydrogen as a Clean Fuel for Transportation in Today's Perspective"	Dr. Jayakrishnan Krishnanunni, Architect, Bosch Global Software Technologies Pvt. Ltd.
51	04-11-2022	Webinar on "Decentralised approach for building climate resilience for skill and entrepreneurship development"	Dr. Pranab J Patar, Chief Executive, Global Foundation, New Delhi.
52	11-11-2022	Webinar on "The Rise of the Green Hydrogen Economy"	Chief Guest -Mr. Sameer Gupta, CMD - Jakson Group & Chairman - SCGJ, Eminent Panelists: 1. Mr. Bikesh Ogra, CEO and Managing Director, Jakson Green Pvt. Ltd., 2. Mr. Sunil Jain, Operating Partner, Energy Transitions, Essar Capital, 3. Dr. Anand M Shivapuji, Centre for Sustainable Technologies, IISc Bangalore, 4. Mr. Santosh Gurunath, Co-Founder, Umanage Energy, 5. Mr. Anurag Jain, Director, Uneecops Solar, Moderator-Dr. Jayakrishnan, Architect, Bosch Global Software Technologies
53	18-11-2022	Webinar on "Electronic Waste Management: Seize the Opportunity"	Dr. Garima Chauhan, Scientific Editor, Cactus Communications, Alberta, Canada.
54	25-11-2022	Webinar on "Use of Concentrating Solar Thermal Technology for Industrial and Institutional Sectors in India"	Dr. Pankaj Kumar, National Technical Expert, UNIDO, Regional office India.
55	02-12-2022	Webinar on "Renewable Energy Transition in India: Opportunities and Challenges"	Dr. Debajit Palit, Professor of Energy, NTPC School of Business and Former Director & Senior Fellow, TERI .
56	09-12-2022	Webinar on "Unravel the Intricacies of Agricultural Residue Bioprocessing and Bioeconomy Opportunities"	Dr. Meena Krishania, Scientist C, Center and Applied Bioprocessing Center, Mohali.
57	16-12-2022	Webinar on "Gender and Sustainability Issues: Is food and energy security possible for women at the grassroots?"	Dr. Sunita Dhal, Assistant Professor, School of Gender and Development Studies, Indira Gandhi National Open University, Maidan Garhi, New Delhi.
58	23-12-2022	Webinar on "Development of Geothermal Energy Resources of India"	Dr. Ahsan Absar, Consultant-ONGC, Energy Center (Former Director, Geological Survey of India).
59	30-12-2022	Webinar on "Can Solar Photovoltaic Technology replicate the feat of Mobile Telephony today?"	Dr. Suneel Deambi, Expert (Solar PV) & Author.
60	06-01-2023	Webinar on "Addressing Equity, Sustainable development and Climate Change through Green Energy Sources"	Dr. Perminder Jit Kaur, Senior Policy Fellow, DST's Centre for Policy Research, Indian Institute of Science (IISc), Bangalore.
61	13-01-2023	Webinar on "Financial Management for Micro, Small and Medium Entrepreneurs"	Mr. Rakesh Bhan, AGM and Technical Officer (Retd.), State Bank of India (SBI).
62	20-01-2023	Webinar on "Synthesizing DRE Experiences for NZE Pathways"	Dr. Srinivas Shroff Nagesha Rao, Consultant to UN Agencies and World Bank, Former Chief Executive Officer, REC Foundation.
63	27-01-2023	Webinar on "The Need and Value of Frugal Innovations for accomplishing Sustainable Development & Sustainable Development Goals"	Dr. Praful R Naik, Director and CEO, Prashak Techno Enterprises Pvt. Ltd.
64	03-02-2023	Webinar on "Green Hydrogen Production through advanced biomass-steam gasification technology and a detailed comparison with the electrolysis process"	Dr. P Raman, Director, Energy Efficiency and Environment Pvt. Ltd., New Delhi.
65	10-02-2023	Webinar on "National Bioenergy Programme"	Shri S R Meena, Scientist-D, Ministry of New and Renewable Energy (MNRE), Government of India, New Delhi.
66	24-02-2023	Webinar on "ESG and Environment Compliance"	Dr. Manoranjan Hota, Former Adviser - Ministry of Environment, Forest and Climate Change (MoEFCC), Adviser - Skill Council for Green Jobs (SCGJ) New Delhi.



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S.No.	Date	Webinar Topic	Guest Speaker Details
67	28-02-2023	Skill Council for Green Jobs & Jakson Group Celebrates World Sustainable Energy Day 2023 under *Azadi ka Amrit Mahotsav* 75 Webinar Series of SCGJ, webinar on "Solar Power: Energy Transition = Energy Security   Green Energy"	Mr. Vikas Arya, Associate Vice President, Product Strategy & Marketing, Solar Business, Jakson Group.
68	03-03-2023	Webinar on "Inclusive Circular Economy: Upskilling waste workers for a dignified livelihood"	Mrs. Anita Ahuja, President, Conserve India.
69	10-03-2023	Webinar on "Sustainable Development Programs: Information Interchange & Transparency with Youth"	Prof. (Dr.) Niranjana Bhattacharyya, Professor & Director-IQAC of ADGITM, Affiliated to I.P. University, Delhi.
70	17-03-2023	Webinar on "Paradigm Shift in Energy Sector through Green Hydrogen: Strengths and Gaps"	Dr. Perminder Jit Kaur, Senior Policy Fellow, DST's Centre for Policy Research, Indian Institute of Science (IISc), Bangalore.
71	24-03-2023	Webinar on "Floating Solar Design, Engineering and Opportunities"	Mr. Sachin Rele, Managing Director, Autonic Energy Systems Pvt. Ltd.
72	31-03-2023	Webinar on "EV Charging Infrastructure: Beginners Guide Made Easy"	Er. Neha Sakka - Electrical Engineer, Jaipur Vidyut Vitran Nigam Ltd. (Undertaking of Rajasthan Government).
73	14-04-2023	Webinar on "Watershed Management Activities & Relevance in India"	Mr. Chirag Minocha, Former Commercial Sales Manager, Bharat Petroleum Corporation Limited, Mumbai and Freelance Trainer, Researcher and Teacher.
74	21-04-2023	Webinar on "Transition to Clean Cooking: Implementation and Evaluation Challenges"	Dr. Abhishek Kar, Senior Programme Lead, Council on Energy, Environment and Water (CEEW), New Delhi.
75	28-04-2023	Webinar on "The Role of Digitally-enabled Water in the Journey to Sustainable Development"	Dr. Arup Nandi, Chief of Research at Center for Study of Science, Technology and Policy (CSTEP).
76	12-05-2023	Webinar on "75 actions to contribute to UN SDGs"	Mr. Abhijeet More, United Nations Digital Influencing Volunteer for SDGs   Senior Green Ambassador   Climate Change Ambassador   ATAL Mentor of Change (NITI Aayog).
77	19-05-2023	Webinar on "Implementation of engineering solutions in the domain of waste management for sustainable development and societal benefit"	Dr. A Gangagni Rao, Chief Scientist and Head, Department of Energy and Environmental Engineering, CSIR-IICT Hyderabad.
78	26-05-2023	Webinar on "Citizen Science - Application to Energy, Environment and Health Issues"	Dr. Sumeet Saksena, Senior Fellow at the East-West Center, Honolulu, USA.
79	02-06-2023	Webinar on "Marketing Management for Micro, Small and Medium Entrepreneurs"	Mr. Rakesh Bhan - AGM and Technical Officer (Retd.), State Bank of India (SBI).
80	09-06-2023	Webinar on "Smart Microgrids: Future of Electricity Systems"	Dr. Debajit Palit, Professor of Energy, NTPC School of Business and Former Director & Senior Fellow, Rural Energy & Livelihood Division, TERI.
81	16-06-2023	Webinar on "Making Sense of Green Hydrogen"	Mr. Kiran Kumar Alla, Senior Director, Product Marketing, Plug Power Inc.
82	23-06-2023	Webinar on "Role of Public Digital Data Infrastructure in ensuring a transparent Carbon Market"	Mr. Yuvaraj DINESH Babu Nithyanandam, Executive Director, Climate Data Action Trust (CADT).
83	30-06-2023	Webinar on "Tracking Indian States' Transition to Clean Electricity"	Mr. Ambar Nag, Data Scientist, State Clean Electricity Transition Tracker India (SCETTI).
84	07-07-2023	Webinar on "Entrepreneurship Opportunities in Waste Management"	Mr. Amar Singh Yadav, Founder and CEO, Aseries Envirotek India Pvt. Ltd.
85	14-07-2023	Webinar on "Understanding E in ESG and the role of disclosures in Energy Transition"	Ms. Prarthana Borah, Director, CDP India.
86	21-07-2023	Webinar on "Developing Rural Participation & Economy with Biomass"	Mr. Manish Kapoor, Vice President - Sales & Regional Operations, BiofuelCircle Pvt. Ltd..
87	28-07-2023	Webinar on "Solar cook-top using concentrated solar collector and hybrid thermal storage system, a potential option for clean cooking: Features, Status and Way-forward"	Dr. P Raman - Director, Energy Efficiency and Environment Pvt. Ltd., New Delhi.



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S.No.	Date	Webinar Topic	Guest Speaker Details
88	04-08-2023	Webinar on "Agri Waste to Compostable Products: An Emerging Market and its Challenges"	Ms. Sarita Upadhyay, Head, Pakka Foundation, Ayodhya.
89	11-08-2023	webinar on "Just Green Transitions with a focus on Waste Management: Covering sectors like Textiles, E-waste, Wastewater & more!"	Ms. Aarti Mohan, Co-founder and Partner at Sattva Consulting.
90	18-08-2023	webinar on "Role of biomass and bio-energy technologies towards sustainable energy transition"	Mr. Sunil Dhingra, Director Bio Trend Energy.
91	25-08-2023	Webinar on "Integrated Waste Management Approach".	Dr. Richa Singh, Manager - Project Development, Blue Planet Environmental Solutions India Pvt. Ltd., New Delhi.
92	01-09-2023	Webinar on "Green Hydrogen: Opportunities and Challenges".	Dr. M R Nouni, Adviser (Retd.), Ministry of New and Renewable Energy, Govt. of India, New Delhi.
93	15-09-2023	Webinar on "Wastewater Management for a Circular Economy".	Mr. John Thomas, Director, Alef Eco Consulting LLP, C 266, First Floor, Sector 63, NOIDA - 201309.
94	22-09-2023	Webinar on "Building Skills for Exploiting Green Hydrogen Opportunities".	Mr. Sachin Torne, Head, Green Energy Skill Development Initiative, Tata Power Skill Development Institute.
95	29-09-2023	Webinar on "Regulatory Issues in Renewable Energy Sector".	by Mr. Aditya K Singh - Partner, Link Legal, Aiwan-e-Ghalib Complex, Mata Sunderi Lane, New Delhi.
96	06-10-2023	Webinar on "Role of Digitalization in Sustainable Waste Management".	Mr. Sourabh Manuja - Waste Management Advisor, GIZ India, New Delhi.
97	13-10-2023	Webinar on Panel Discussion "Mainstreaming Persons with Disability in Green Energy Sector".	<p>Eminent Panelists:</p> <ol style="list-style-type: none"> <li>1. Mr. Ramesh Shivanna - Director, Federation of Karnataka Chambers of Commerce and Industries.</li> <li>2. Mr. Sanjay Kulkarni - CEO, Ecosun Energy Company.</li> <li>3. Mr. Tirankari Mani Tripathi - Sr. Assistant, Rural Engineering Department of UP.</li> <li>4. Mr. OP Taneja - Advisor, Indian Wind Turbine Manufacturers Association.</li> <li>5. Mr. Manohar Krishna - Managing Director, Kam-Avida Enviro Engineers Pvt. Ltd.</li> <li>6. Mr. Subrahmanyam Pulipaka - CEO, National Solar Energy Federation of India (NSEFI).</li> </ol> <p>Moderator: Dr. Niharika Nigam - Head, Standards &amp; Quality Assurance &amp; Programmes, SCPwD.</p>
98	20-10-2023	Webinar on "Sustainability Exchange: Bringing ideas from Villages to Cities and Cities to Villages".	Ms. Shweta Avilash Bisht, Independent Consultant, New Delhi.
99	27-10-2023	Webinar on "Skill Development for Decarbonizing Brick Industry".	Dr. Sameer Maithel, Independent Clean Energy & Sustainability Expert, Bengaluru.
100	03-11-2023	Webinar on "Green Energy Corridors - Backbone to achieve 500 GW of RE target by 2030 and other KFW activities in India".	Mr. Ramana Reddy, Senior Sector Specialist-Energy, KFW, New Delhi.

**75th Azadi Ka Amrit Mahotsav**

**Webinar Series Celebration**  
By Skill Council for Green Jobs  
#Skill4NewIndia

**Panel Discussion**  
**The Rise of the Green Hydrogen Economy**  
Join us in discussion with our eminent panelists

**Chief Guest**  
**Mr. Sameer Gupta**  
CMD, Iakson Group, Chairman, SCGI

**Panelists:**  
 Mr. Bileesh Ogri (CEO, Jasson Group Pvt. Ltd.)  
 Mr. Sunil Jain (Chairman, Green Energy, TransTech, Airoo Capital)  
 Dr. Anand M Shrivastavi (Partner, For Sustainable Technology, IIC Bangalore)  
 Mr. Saratosh Gurunath (Co-Founder, Umagric Energy)  
 Mr. Anurag Jain (Director, Ureosys India)  
 Dr. Jayakrishnan (Asst. Prof., IIT Bombay, IIT Bombay, IIT Bombay, IIT Bombay)

13th NOVEMBER 2023 | 11:00 AM  
Meeting ID: 838 6170 0242  
Passcode: SCGI

**SCPwD**  
Skill Council for Persons with Disability

**Skill India**  
skilled india - green jobs

**75th Azadi Ka Amrit Mahotsav**

**SCGJ**  
Skill Council for Green Jobs

Skill Council for Persons with Disability and Skill Council for Green Jobs Presents  
**Panel Discussion**  
**Mainstreaming Persons with Disability in Green Energy Sector**  
Join us in discussion with our eminent panelists

**Panelists:**  
 Dr. Niharika Nigam (Head, Standards & Quality Assurance & Programmes, SCPwD)  
 Mr. Subrahmanyam Pulipaka (CEO, National Solar Energy Federation of India (NSEFI))  
 Mr. Manohar Krishna (Managing Director, Kam-Avida Enviro Engineers Pvt. Ltd.)  
 Mr. Ramesh Shivanna (Member, Federation of Karnataka Chambers of Commerce and Industries)  
 Mr. OP Taneja (Advisor, Indian Wind Turbine Manufacturers Association)  
 Mr. Sanjay Kulkarni (CEO, Ecosun Energy Company)  
 Mr. Tirankari Mani Tripathi (Sr. Assistant, Rural Engineering Department of Uttar Pradesh)

**Moderator:**  
Mr. Ravindra Singh (CEO, SCGI)

**Co-Moderator:**  
Mr. Arpit Sharma (COO, SCGI)



# Strategy & Operations Group 2023 - 2024

**1** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Importance of Sustainable Development Goals and ways to achieve it

Guest Speaker  
**Dr. Darsh Kumar Pandey**  
Associate Professor  
Sunway University, Malaysia

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**2** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Entrepreneurial Opportunities in Solar

Guest Speaker  
**Mr. Vamsi Krishna**  
Director, Institute of Solar Power Energy & Vocational Training

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**3** FREE ONLINE TRAINING

Standard Operating Procedure for the Solar PV Plant Installation

11<sup>th</sup> & 12<sup>th</sup> OCTOBER 2021 | 2:00 PM - 4:00 PM

TRAINER  
**Mr. Prem P Bharti**  
Technical Officer - Standard & Research  
Skill Council for Green Jobs

TRAINER  
**Mr. Vamsi Krishna**  
Director, Institute of Solar Power Energy & Vocational Training

**4** FREE ONLINE TRAINING

Standard Operating Procedure for the Solar PV Plant Installation

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**Mr. Prem P Bharti**  
Technical Officer - Standard & Research  
Skill Council for Green Jobs

TRAINER  
**Mr. Vamsi Krishna**  
Director, Institute of Solar Power Energy & Vocational Training

**5** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Waste to Fuel

Guest Speaker  
**Mr. Sameer Rege**  
Director  
Mailhem Environment Pvt. Ltd.

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**6** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Potential of Solar Energy for Increasing the Productivity and Profitability in Agriculture

Guest Speaker  
**Dr. Aniket Kalhapure**  
Assistant Professor  
Department of Agronomy, Banda University of Agriculture and Technology, UP Govt.

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**7** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Upcycling Waste to Empowerment

Guest Speaker  
**Ms. Nilanjana Das**  
Founder Director  
Action Center for Transformation

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**8** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ celebrates Azadi Ka Amrit Mahotsav with a series of 75 webinars on Sustainable Development, Renewable Energy, and Waste Management

Join us for the webinar on Waste Management - Challenges & Strategies

LIVE STREAMING | 26<sup>th</sup> NOVEMBER 2021 | 12:00 PM

ZOOM Meeting ID: 839 8378 0355  
Passcode: SCGJ

FACEBOOK LIVE  
www.facebook.com/skillcouncilforgreenjobs/  
/skillcouncilforgreenjobs/

Guest Speaker  
**Mr. Sourabh Manuja**  
Technical Expert, GIZ India

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**9** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Getting to Net Zero Carbon Emissions

Guest Speaker  
**Mr. Yi Hang Yu**  
Manager - Climate Change & Sustainability  
Intertek Assuris, Hong Kong

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**10** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Greening the Grid A Step Towards Meeting the COP26 Commitments

Guest Speaker  
**Dr. Abhinav Trivedi**  
Consultant (S&T)  
NITI Aayog, Govt. of India, New Delhi

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**11** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Future Business Opportunity in Solar & EV Charging Station

Guest Speaker  
**Mr. Sanyam Indurkha**  
Director, Saitech Energy  
Space Systems Pvt. Ltd., Bhopal, M.P.

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**12** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Transitioning to Clean Cooking

Guest Speaker  
**Ms. Neha Juneja**  
Co-founder,  
Greenway Appliances

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# Strategy & Operations Group 2023 - 2024

**13** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Social & Behaviour Change Communication**  
An Integral Part of Development Planning and Implementation



Guest Speaker  
**Ms. Soma Biswas**  
Communication Advisor, GIZ

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**14** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Skilling in Organic Waste Management**



Guest Speaker  
**Dr. Supreet Kaur**  
Technical expert, Management of Organic Waste in India (MOWI), GIZ.

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**15** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Reprocessing Blue Gold for Healthier Ecosystem**

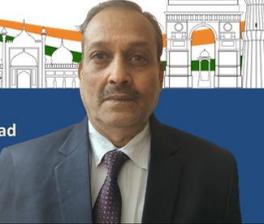


Guest Speaker  
**Mr. Randhir Singh**  
Founder & Promoter  
Emperia Energy Pvt. Ltd.

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**16** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Water Management, Treatment, Conservation, Recycling and Recharge**



Guest Speaker  
**Mr. Rameshwar Lal Dad**  
Founder & CEO  
CONCEPT Group

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**17** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Water Harvesting Rain and Storm Water Management**



Guest Speaker  
**Mr. Anand Dad**  
Design Engineer  
Rans Concept Developers

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**18** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Universal Access to Clean Energy Challenges and Possible Ways**



Guest Speaker  
**Dr. Manjushree Banerjee**  
Fellow, The Energy and Resources Institute

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**19** DAYS FREE VIRTUAL TRAINING PROGRAM  
Battery Energy Storage System (BESS)  
3<sup>rd</sup> & 4<sup>th</sup> March 2022



TRAINERS

 <b>Sameer Sharma</b> Design Engineer Energy Storage, RWE gmbh	 <b>Eric Yang</b> Senior Engineer of Energy Storage Solution, GoodWe Solar	 <b>Prem P Bharti</b> Master Trainer, Skill Council for Green Jobs (Skill India)	 <b>Shatrughan Yadav</b> Co-Founder and CTO AHA Solar
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**20** DAYS FREE VIRTUAL TRAINING PROGRAM  
Battery Energy Storage System (BESS)  
3<sup>rd</sup> & 4<sup>th</sup> March 2022



TRAINERS

 <b>Sameer Sharma</b> Design Engineer Energy Storage, RWE gmbh	 <b>Eric Yang</b> Senior Engineer of Energy Storage Solution, GoodWe Solar	 <b>Prem P Bharti</b> Master Trainer, Skill Council for Green Jobs (Skill India)	 <b>Shatrughan Yadav</b> Co-Founder and CTO AHA Solar
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**21** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **The Power of Positive Self Communication for Professional Success**



Guest Speaker  
**Divyaa Kummar**  
Professional Communication Coach  
NSDC Certified A Grade Trainer ToT Platform Skills

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**22** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Sustainable Supply Chain of Plastic Waste Management**



Guest Speaker  
**Mr. Ashish Jain**  
Founder & Director  
Indian Pollution Control Association (NGO)

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**23** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Waste Management**  
Importance of awareness and its effects



Guest Speaker  
**Mr. Kuldeep Choudhary**  
Program Officer  
Municipal Solid Waste Programme of  
Centre for Science and Environment (CSE)

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**24** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Pharmaceutical Pollution & Sustainable Development Goals**  
Are they going the right way?



Guest Speaker  
**Ms. Prerna D Katyal**  
Pharmacy Officer Incharge  
Directorate General of Health Services  
Government of NCT of Delhi

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# Strategy & Operations Group 2023 - 2024

**25** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Environment Friendly Building for Sustainable Development



**Guest Speaker**  
**Mr. Pravin Kumar Jha**  
General Manager  
Associate with Anantraj Limited  
New Delhi

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**26** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Challenges in the Bio-Energy Sector in India & Way Ahead



**Guest Speaker**  
**Colonel Rohit Dev**  
Chief Operating Officer  
Punjab Renewable Energy Systems Pvt. Ltd.

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**27** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Air Pollution Mitigation through Smart Cities Program



**Guest Speaker**  
**Dr. Pratima Singh**  
Research Scientist  
Domain Lead - Air Pollution at Center for Study of Science, Technology and Policy (CSTEP)

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**28** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Join us for the webinar on Emotional Wellness at Workplace



**Guest Speaker**  
**Navroop Sood**  
Chief Executive Officer  
Heal with Nav

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**29** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on The Growth of Wind Energy in India & Underlying Opportunities

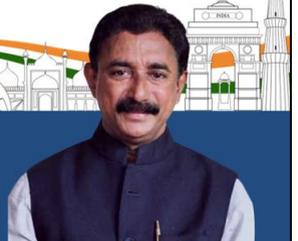


**Guest Speaker**  
**Martand Shardul**  
Policy Director  
Global Wind Energy Council (GWEC), India

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**30** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Phasing-out Hazardous Plastic A Transformational Livelihood-based Approach



**Guest Speaker**  
**K.J. Thomas**  
Chairman and Managing Director  
Blowway Packs Pvt. Ltd.

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**31** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on From Flower Trash to Cash Recycling and Reuse through Value Addition



**Guest Speaker**  
**Dr. Gaurav Sharma**  
Associate Professor & Head, Rani Lakshmi Bai Central Agricultural University, Jhansi

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**32** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Production & Use of Biomass Pellets as Green Fuel



**Guest Speaker**  
**Mr. Amrit Khater**  
Director  
Hi Tech Agro Energy Pvt. Ltd.

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**33** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Sustainable Development A Right Approach to the Indian Economy



**Guest Speaker**  
**Prof. (Dr.) Monika Mehrotra**  
Director  
BPM Girls Degree College, Uttar Pradesh

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**34** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Unlocking Green Job Opportunities in India's Clean Energy Sector



**Guest Speaker**  
**Dr. Akanksha Tyagi**  
Programme Associate, Council on Energy, Environment and Water (CEEW)

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**35** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Introduction to Various Energy Storage System Parameters, Role, and Applications



**Guest Speaker**  
**Mr. Japen Gor**  
Certified Master Trainer & Course Designer, Solar Energy Consultant, Proprietor - GOREnewable Technology, Third Party Inspector & Researcher

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**36** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Carbon Sinks Method and Type: Pathway to achieving Net Zero Emission



**Guest Speaker**  
**Dr. Vivek Kumar Singh**  
Research Scientist  
Center for Study of Science, Technology and Policy (CSTEP), India

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**37** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Steering Towards Sustainability**

Guest Speaker  
**Mr. Niranjan Khatri**  
Founder, Sambhav

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**38** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Burnout to Burn Bright**

Guest Speaker  
**Ms. Navroop Sood**  
Chief Executive Officer  
Heal with Nav

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**39** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Creating Wealth from Waste**  
Opportunity and Challenges

Guest Speaker  
**Dr. Ratnesh Tiwari**  
Co-Founder and Chief Executive Officer  
Koshish Sustainable Solutions Private Limited

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**40** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Rooftop Solar Project**  
Zero Investment, Savings from Day 1, Moving towards Net Zero

Guest Speaker  
**Mr. Manu Srivastava, IAS**  
Principal Secretary  
Government of Madhya Pradesh

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**41** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Agri-Voltaic**  
A Green Route to Address Energy and Food Crisis

Guest Speaker  
**Dr. Subhra Das**  
Professor and Head  
Solar Engineering Department  
Amity University, Haryana

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**42** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Biodiversity for Sustainability**

Guest Speaker  
**Dr. Amit Pal**  
Assistant Professor & Former Head  
Institute of Environment & Development Studies,  
Bundelkhand University, Jhansi, Uttar Pradesh

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**43** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Social Entrepreneurship in Biofuels**

Guest Speaker  
**Er. Shrey Saxena**  
Director, Growdiesel

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**44** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Waste**  
An abundant and useful resource

Guest Speaker  
**Dr. Narender Kumar**  
Director, Swalamban

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**45** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Electrification of Unelectrified Villages**  
through Solar Microgrid

Guest Speaker  
**Mr. Prafulla V. Tayde**  
General Manager, Maharashtra  
Energy Development Agency (MEDA)

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**46** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **A Circular Economy & Integrated Waste Management**

Guest Speaker  
**Sh. Prabhjot Sodhi**  
Sr Program Director (Circular Economy)  
and Director MRAI (Hon.)  
Centre for Environment Education (CEE)

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**47** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Role of Green and Energy Efficient Buildings**  
towards Net Zero Target

Guest Speaker  
**Dr. Arun K. Tripathi**  
Adviser/Scientist 'G',  
Ministry of New and Renewable Energy

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**48** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **INDIA at Seventy Five**  
Sustainable Development, Renewable Energy and Posterity

Guest Speaker  
**Prof. Sakarama Somayaji**  
Volunteer Teacher  
Shree Khetra Hosakatte Trust  
Mundodi, in Udipi, Karnataka

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# Strategy & Operations Group 2023 - 2024

**49** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on India's nationally determined contribution towards United Nations Framework Convention on Climate Change

Guest Speaker  
**Mr. Sagar Sharma**  
Faculty at Infinity IAS Academy Delhi

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**50** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Potential of Hydrogen as a Clean Fuel for Transportation in Today's Perspective

Guest Speaker  
**Dr. Jayakrishnan Krishnanunni**  
Architect  
Bosch Global Software Technologies Pvt. Ltd.

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**51** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Decentralised approach for building climate resilience for skill and entrepreneurship development

Guest Speaker  
**Dr. Pranab J Patar**  
Chief Executive  
Global Foundation, New Delhi

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**52** 56<sup>th</sup> Azadi Ka Amrit Mahotsav #Skill4NewIndia

Webinar Series Celebration By Skill Council for Green Jobs #Skill4NewIndia

Panel Discussion  
**The Rise of the Green Hydrogen Economy**  
Join us in discussion with our eminent panelists

Chief Guest  
**Mr. Sameer Gupta**  
CMD, Jaxson Group  
Chairman, SCGJ

Eminent Panelists

<b>Mr. Bikesh Dogra</b> CEO and Managing Director Jaxson Green Pvt. Ltd.	<b>Mr. Sunil Jain</b> Operating Partner Energy Transitions, India Capital	<b>Dr. A. M Shivapuji</b> Centre for Sustainable Technology BIC Bangalore	<b>Mr. Santosh</b> Co-Founder Integrative Energy	<b>Mr. Anurag Jain</b> Director Linnova Solar	<b>Dr. Jayakrishnan</b> Architect, Bosch Global Software Technologies
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**53** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Electronic Waste Management Seize the Opportunity

Guest Speaker  
**Dr. Garima Chauhan**  
Scientific Editor  
Cactus Communications, Alberta, Canada

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**54** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Use of Concentrating Solar Thermal Technology for Industrial and Institutional Sectors in India

Guest Speaker  
**Dr. Pankaj Kumar**  
National Technical Expert  
UNIDO, Regional office India

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**55** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Renewable Energy Transition in India Opportunities and Challenges

Guest Speaker  
**Dr. Debajit Palit**  
Professor of Energy, NTPC School of Business and Former Director & Senior Fellow, TERI

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**56** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Unravel the Intricacies of Agricultural Residue Bioprocessing and Bioeconomy Opportunities

Guest Speaker  
**Dr. Meena Krishania**  
Scientist C  
Center and Applied Bioprocessing Center, Mohali

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**57** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Gender and Sustainability Issues Is food and energy security possible for women at the grassroots?

Guest Speaker  
**Dr. Sunita Dhal**  
Assistant Professor  
School of Gender and Development Studies, Indira Gandhi National Open University, Maidan Garhi, New Delhi

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**58** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Development of Geothermal Energy Resources of India

Guest Speaker  
**Dr. Ahsan Absar**  
Consultant-ONGC, Energy Center  
Former Director, Geological Survey of India

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**59** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Can Solar Photovoltaic Technology replicate the feat of Mobile Telephony today?

Guest Speaker  
**Dr. Suneel Deambi**  
Expert (Solar PV) and Author

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**60** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Addressing Equity, Sustainable Development and Climate Change through Green Energy Sources

Guest Speaker  
**Dr. Perminder Jit Kaur**  
Senior Policy Fellow,  
DST's Centre for Policy Research,  
Indian Institute of Science (IISc), Bangalore

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# Strategy & Operations Group 2023 - 2024

**61** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Financial Management** for Micro, Small & Medium Entrepreneurs



**Guest Speaker**  
**Mr. Rakesh Bhan**  
AGM and Technical Officer (Retd.)  
State Bank of India (SBI)

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**62** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Synthesizing DRE Experiences for NZE Pathways**



**Guest Speaker**  
**Dr. Srinivas Shroff Nagesha Rao**  
Consultant to UN Agencies and World Bank  
Former Chief Executive Officer, REC Foundation

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**63** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **The Need and Value of Frugal Innovations** for accomplishing Sustainable Development & SDGs



**Guest Speaker**  
**Dr. Praful R Naik**  
Director and CEO  
Prashak Techno Enterprises Pvt. Ltd.

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**64** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Green Hydrogen Production** through advanced biomass-steam gasification technology and a detailed comparison with the electrolysis process



**Guest Speaker**  
**Dr. P Raman**  
Director  
Energy Efficiency and Environment Pvt. Ltd.

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**65** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **National Bioenergy Programme**



**Guest Speaker**  
**Shri S R Meena**  
Scientist-D  
Ministry of New and Renewable Energy (MNRE)  
Government of India

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**66** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **ESG and Environment Compliance**



**Guest Speaker**  
**Dr. Manoranjan Hota**  
Former Adviser - Ministry of Environment, Forest and Climate Change (MoEFCC)  
Adviser - Skill Council for Green Jobs (SCGJ)

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**67** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Skill Council for Green Jobs & Jakson Group Celebrates World Sustainable Energy Day 2023

Welcome to the webinar on **Solar Power**

Energy Transition - Energy Security | Green Energy



**Mr. Vikas Arya**  
Associate Vice President,  
Product Strategy & Marketing  
Solar Business, Jakson Group

**68** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Inclusive Circular Economy** Upskilling waste workers for a dignified livelihood



**Guest Speaker**  
**Mrs. Anita Ahuja**  
President, Conserve India

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**69** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Sustainable Development Programs** Information Interchange & Transparency with Youth



**Guest Speaker**  
**Prof. (Dr.) Niranjan Bhattacharyya**  
Professor & Director-IQAC of ADGITM  
Affiliated to I.P. University, Delhi

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**70** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Paradigm Shift in Energy Sector through Green Hydrogen** Strengths and Gaps



**Guest Speaker**  
**Dr. Perminder Jit Kaur**  
Senior Policy Fellow,  
DST's Centre for Policy Research,  
Indian Institute of Science (IISc), Bangalore

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**71** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Floating Solar Design, Engineering and Opportunities**



**Guest Speaker**  
**Mr. Sachin Rele**  
Managing Director  
Autonic Energy Systems Pvt. Ltd.

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**72** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **EV Charging Infrastructure** Beginners Guide Made Easy



**Guest Speaker**  
**Er. Neha Sakka**  
Electrical Engineer  
Jaipur Vidyut Vitran Nigam Ltd.  
(Undertaking of Rajasthan Government)

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# Strategy & Operations Group 2023 - 2024

**73** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Watershed Management Activities & Relevance in India

**Guest Speaker**  
**Mr. Chirag Minocha**  
Former Commercial Sales Manager, BPCL, Mumbai  
Freelance Trainer, Researcher and Teacher

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**74** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Transition to Clean Cooking  
Implementation and Evaluation Challenges

**Guest Speaker**  
**Dr. Abhishek Kar**  
Senior Programme Lead  
Council on Energy, Environment  
and Water (CEEW), New Delhi

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**75** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
The Role of Digitally-enabled Water  
in the Journey to Sustainable Development

**Guest Speaker**  
**Dr. Arup Nandi**  
Chief of Research  
Center for Study of Science, Technology  
and Policy (CSTEP)

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**76** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
75 actions to contribute to UN SDGs

**Guest Speaker**  
**Mr. Abhijeet More**  
United Nations Digital Influencing Volunteer for SDGs  
Senior Green Ambassador | Climate Change  
Ambassador | ATAL Mentor of Change (NITI Aayog)

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**77** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Implementation of engineering solutions in the domain of waste  
management for sustainable development and societal benefit

**Guest Speaker**  
**Dr. A. Gangagni Rao**  
Chief Scientist and Head  
Department of Energy and Environmental  
Engineering, CSIR-IICT

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**78** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Citizen Science  
Application to Energy, Environment and Health Issues

**Guest Speaker**  
**Dr. Sumeet Saxena**  
Senior Fellow at the East-West Center  
Honolulu, USA, Since 2001

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**79** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Marketing Management  
for Micro, Small and Medium Entrepreneurs

**Guest Speaker**  
**Mr. Rakesh Bhan**  
AGM and Technical Officer (Retd.)  
State Bank of India (SBI)

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**80** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Smart Microgrids  
Future of Electricity Systems

**Guest Speaker**  
**Dr. Debajit Palit**  
Professor of Energy, NTPC School of Business  
Former Director & Senior Fellow - Rural  
Energy & Livelihood Division, TERI

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**81** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Making Sense of Green Hydrogen

**Guest Speaker**  
**Mr. Kiran Kumar Alla**  
Senior Director, Product Marketing  
Plug Power Inc.

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**82** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Role of Public Digital Data Infrastructure  
in ensuring a transparent Carbon Market

**Guest Speaker**  
**Yuvaraj DINESH Babu Nithyanandam**  
Executive Director  
Climate Data Action Trust (CADT)

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**83** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Making Sense of Green Hydrogen

**Guest Speaker**  
**Mr. Ambar Nag**  
Data Scientist  
State Clean Electricity Transition Tracker India (SCETII)

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**84** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on  
Entrepreneurship Opportunities in Waste Management

**Guest Speaker**  
**Mr. Amar Singh Yadav**  
Founder and CEO  
Aseries Envirotek India Pvt. Ltd.

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**85** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Understanding E in ESG and the role of disclosures in Energy Transition



**Guest Speaker**  
**Ms. Prarthana Borah**  
Director, CDP India

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**86** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Developing Rural Participation & Economy with Biomass



**Guest Speaker**  
**Mr. Manish Kapoor**  
Vice President - Sales & Regional Operations  
BiofuelCircle Pvt. Ltd.

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**87** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Solar cook-top using concentrated solar collector and hybrid thermal storage system, a potential option for clean cooking: Features, Status and Way-forward



**Guest Speaker**  
**Dr. P Raman**  
Director  
Energy Efficiency and Environment Pvt. Ltd.

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**88** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Agri Waste to Compostable Products an Emerging Market and its Challenges



**Guest Speaker**  
**Ms. Sarita Upadhyay**  
Head  
Pakka Foundation

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**89** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Just Green Transitions with a focus on Waste Management Covering sectors like Textiles, E-waste, Wastewater & more!



**Guest Speaker**  
**Ms. Aarti Mohan**  
Co-founder and Partner  
Sattva Consulting

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**90** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Role of Biomass and Bio-energy Technologies towards Sustainable Energy Transition



**Guest Speaker**  
**Mr. Sunil Dhingra**  
Director, Bio Trend Energy

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**91** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Integrated Waste Management Approach



**Guest Speaker**  
**Dr. Richa Singh**  
Manager - Project Development  
Blue Planet Environmental Solutions India Pvt. Ltd.  
New Delhi

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**92** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Green Hydrogen Opportunities and Challenges

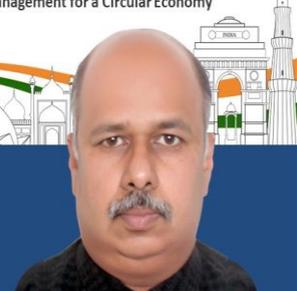


**Guest Speaker**  
**Dr. M R Nouni**  
Adviser (Retd.)  
Ministry of New and Renewable Energy, GoI

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**93** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Join us for the webinar on Wastewater Management for a Circular Economy



**Guest Speaker**  
**Mr. John Thomas**  
Senior Environmental Professional

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**94** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Join us for the webinar on Building Skills for Exploiting Green Hydrogen Opportunities



**Guest Speaker**  
**Mr. Sachin Torne**  
Head, Green Energy Skill Development Initiative,  
Tata Power Skill Development Institute

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**95** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on Regulatory Issues in Renewable Energy Sector



**Guest Speaker**  
**Mr. Aditya K Singh**  
Partner at Dentons Link Legal, New Delhi

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**96** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Join us for the webinar on Role of Digitalisation in Sustainable Waste Management



**Guest Speaker**  
**Mr. Sourabh Manuja**  
Waste Management Advisor, GIZ India

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# Strategy & Operations Group 2023 - 2024

**97** PwD Skill India 75 Azadi Ka Amrit Mahotsav SCGJ

Skill Council for Persons with Disability and Skill Council for Green Jobs Presents

**Panel Discussion**  
Mainstreaming Persons with Disability in Green Energy Sector

Join us in discussion with our eminent panelists

**Guest Speaker**  
Mr. Navdeep Singh  
CEO, SCJ

**Panelists:**  
 Dr. Shilanka Nigam (Head, Sustainable & Social Performance & Regulatory Affairs)  
 Mr. Subrahmanyan Pulipaka (CEO, National Green Energy Skills Council)  
 Mr. Manojhar Kishore (Managing Director, Green Energy Skills Council)  
 Mr. Ramesh Shivanna (Managing Director, Green Energy Skills Council)  
 Mr. GP Tanna (Head, Green Energy Skills Council)  
 Mr. Sanjay Kulkarni (CEO, Green Energy Skills Council)  
 Mr. Vivekraj Mani Tripathi (Managing Head, Green Energy Skills Council)

**KEY TOPICS:**  
 • Creating a diverse workforce  
 • Hiring over 100 agencies  
 • Business proposition for hiring PwD  
 • Success stories of employees with disability

**98** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Join us for the webinar on **Sustainability Exchange**  
Bringing ideas from Villages to Cities and Cities to Villages

**Guest Speaker**  
Ms. Shweta Avilash Bisht  
Independent Consultant

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**99** Azadi Ka Amrit Mahotsav #Skill4NewIndia

SCGJ Presents Webinar on **Skill Development for Decarbonizing Brick Industry**

**Guest Speaker**  
Dr. Sameer Maitheal  
Independent Clean Energy and Sustainability Expert, Bengaluru

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**100** Azadi Ka Amrit Mahotsav #Skill4NewIndia

Join us for the webinar on **Green Energy Corridors**  
Backbone to achieve 500 GW of RE target by 2030 and other KfW activities in India

**Guest Speaker**  
Mr. Ramana Reddy  
Senior Sector Specialist-Energy  
KfW, New Delhi

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आज़ादी का अमृत महोत्सव

Official Website of SCGJ for  
**Azadi Ka Amrit Mahotsav**  
<https://scgj.azadikaamritmahotsav.in/>



Recorded sessions available on SCGJ Azadi Ka Amrit Mahotsav Website & YouTube Channel



# Strategy & Operations Group 2023 - 2024

## SCGJ's participation in IndiaSkills 2024

IndiaSkills, the country's biggest skill competition, is designed to demonstrate the highest standards of skilling and offers a platform to young people to showcase their talent at national and international levels. IndiaSkills Competition is held every two years with the support of state governments and industry.

Participants from 30 States and Union Territory of India participated in the India Skill in 54 Trades (introducing 7 New-age Skill). The competition started from August 2021 to January 2022 from the State level / Regional and then to the National Level. IndiaSkills Competition will be held in December 2021. The competitors will showcase their skills in areas such as Renewable Energy ,Beauty therapy, cyber security, floristry robot system integration, cloud computing, water technology, painting and decorating, health and social care, among others.

### Vision & Mission:

- Provide a platform where emerging professionals can display their workplace skills with utmost perfection and make India proud
- Facilitate cooperation among governments, industry and academia
- Create nationwide awareness, ownership and participation across various skills
- Help the Indian youth attain world-class standards of competence, excellence and productivity

IndiaSkills Competition is organised by National Skill Development Corporation (NSDC), an apex skill development organization working under the Ministry of Skill Development and Entrepreneurship (MSDE), Government of India. Skill Council for Green Jobs with the support of their experts and Industry partners has taken up the responsibility to lead India in two skills namely Renewable Energy and Water Technology at the WorldSkills Competition 2024 at Lyon, France.

The SCGJ has selected two candidates for the competition: Mr. Amaresh Kumar Sahoo for renewable energy and Mr. Akhil Gandela for water technology. This time, the finals will take place in Lyon, France from September 10–15, 2024. After fierce competition between the state and national levels, they were chosen from among more than 1500 prospective candidates nationwide.



# Strategy & Operations Group 2023 - 2024

## GLIMPSE OF WATER TECHNOLOGY COMPETITION – INDIASKILLS 2024



# Strategy & Operations Group 2023 - 2024

## GLIMPSE OF RENEWABLE ENERGY COMPETITION – INDIASKILLS 2024





# Marketing & Partnerships Group



## Marketing & Partnerships Group 2023 - 2024

Marketing and Partnerships is the Industry, bilateral and multilateral interface wing of Skill Council for Green Jobs. The major responsibilities and achievements during 2022-23 of Marketing & Partnerships Group are as follows:

<p><b>01</b> Improving Industry linkages in all the sub-sectors</p>	<p><b>02</b> Partner with Countries + Bi &amp; Multi lateral agencies</p>	<p><b>03</b> Corporate Communications, Marketing &amp; Media management</p>
<p><b>04</b> MoUs with Industry and other Skill Development &amp; CSR agencies</p>	<p><b>05</b> All matters relating to Membership of SCGJ, including growth</p>	<p><b>06</b> Organization of AGM and Governing Council Meetings</p>
<p><b>07</b> National Apprenticeship Promotion Scheme (NAPS) &amp; other Special projects.</p>	<p><b>08</b> Centers of Excellence</p>	<p><b>09</b> Organizing &amp; Participating in Conferences and Exhibitions</p>

### Major Responsibilities of the Group

- ✓ Improving industry linkages in all the sub-sectors
- ✓ Finding opportunities to Partner with countries, organizations, institutes & multi & bi lateral agencies
- ✓ Corporate Communications
- ✓ Marketing, Social media & Print media management
- ✓ Memorandum of Understanding (MoUs) with Industry and other Skill Development agencies- both Government & non-Government
- ✓ All matters relating to Membership of SCGJ, including growth
- ✓ Organization of AGM and Governing Council Meetings
- ✓ National Apprenticeship Promotion Scheme (NAPS) & Special projects
- ✓ Liaison & establish new Centers of Excellence
- ✓ Participation & Organization of sector specific events, Conferences, Job fairs and Exhibitions





# Marketing & Partnerships Group 2023 - 2024

## Activities during 2023-24

The Marketing and Partnership Group of SCGJ has been focusing on strengthening industry connect, developing database for sector specific industry and demand aggregation for apprenticeships & jobs. The group has been active in organizing focused group meetings and participating in various skill development activities. Interaction with other Skill Councils and exploring possibilities of collaboration with Countries, Government & non-Government organizations, institutes, multi & bi-lateral agencies with SCGJ was one of the new initiatives taken by the group. The Skill Council has been contributing articles in various magazines, running campaigns & events to showcase its area of operation and activities.

### a) Marketing and Business Development Activities

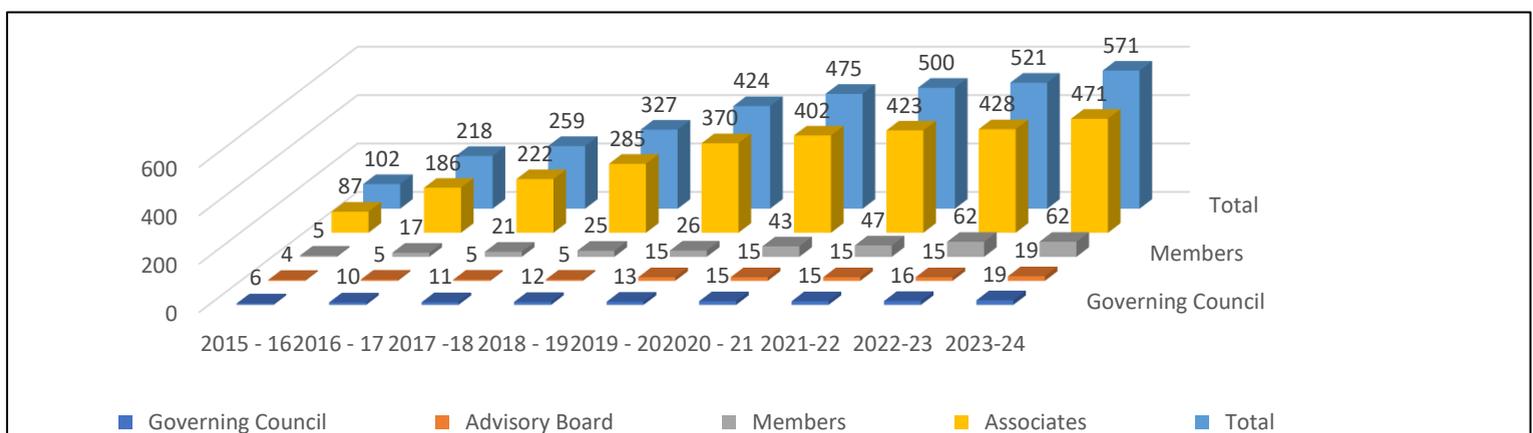
- ✓ Participation & organization of over 30 skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas.
- ✓ Organized 3 Governing Council meeting and 1 AGM in the given period.
- ✓ Centers of Excellence (CoE) are 10 in number.
- ✓ A total of 50 industries were added as new Members / SCGJ Associates, raising the total to 571 Industry members.
- ✓ Active Memorandum of Understanding (MoUs) signed by SCGJ are 49 in number. Till date around 98 arrangements were signed with industry and other Government & non- Government agencies
- ✓ National Apprenticeship Promotion Scheme (NAPS) was assigned to our team in July 2022. Till 30<sup>th</sup> June 2024 ie in these months we secured 8,535 Apprenticeship opportunities and 5,576 Contracts were signed.
- ✓ SCGJ posts on it's Social media handles on LinkedIn, Twitter, Facebook, Instagram & You Tube has received 5,32,813 hits.
- ✓ We ran the Campaign on Swachhata Hi Seva, 'International Women's Day' World Environment Day successfully.

### b) Membership of SCGJ

One of the most important activities undertaken by the Marketing and Partnership Group during this period was to broaden the industry base of SCGJ and develop industry associates. Over 1000 industry, mainly MSME were contacted and informed about the activities of SCGJ. Industries added this year to our Membership a new are 50 in number till date.

Industry Connect of SCGJ FY 2023-24									
Year	2015 - 16	2016 - 17	2017 -18	2018 - 19	2019 - 20	2020 - 21	2021-22	2022-23	2023-24
Governing Council	6	10	11	12	13	15	15	16	19
Advisory Board	4	5	5	5	15	15	15	15	19
Members	5	17	21	25	26	43	47	62	62
Associates	87	186	222	285	370	402	423	428	471
<b>Total</b>	<b>102</b>	<b>218</b>	<b>259</b>	<b>327</b>	<b>424</b>	<b>475</b>	<b>500</b>	<b>521</b>	<b>571</b>

**Industry Connect of SCGJ from 2015 to 31<sup>st</sup> March, 2024**



# Marketing & Partnerships Group 2023 - 2024

## MoUs signed with Industry / Institutional Engagement:

Signing of MoUs with industry and skill agencies has been a regular activity of SCGJ. There are 52 live MoUs / MoAs with industry / organizations with a view to cooperate in its activities and also help in achieving placement of SCGJ certified candidates.

SCGJ's MOUs / MOAs			
Sr. No	Date	Signed with	Type
1	06-03-2016	National Solid Waste Management Association of India (NSWAI)	MOU
2	13-05-2016	Vestas Wind Technology India Pvt. Ltd.	MOU
3	20-05-2016	Andhra Pradesh State Skill Development Corporation (APSSDC)	MOU
4	27-06-2016	Municipal Corporation Ghaziabad	MOU
5	07-08-2016	Unifyers Social Ventures Pvt. Ltd.	MOA
6	03-01-2017	Centre for Entrepreneurship Development (A Govt. of Gujarat Organization)	MOU
7	10-05-2017	Jharkhand Skill Development Mission Society (JSDMS)	MOU
8	03-10-2017	Gujarat Skill Development Mission	MOU
9	11-04-2020	Agency for Non-conventional Energy and Rural Technology (ANERT) (COE)	MOU / L
10	25-02-2021	Madhya Pradesh State Open School Education Board (MPBOSEB)	MOA
11	04-12-2021	BOSCH Ltd., Bengaluru	MOU
12	05-02-2022	Indian Pollution Contrl Association (IPCA)	MOU
13	09-03-2022	Tamil Nadu Skill Development Corporation (TNSDC)	MOU
14	10-05-2022	International Academy of Environmental Sanitation and Public Health (IAESPH)	MOU
15	24-06-2022	American India Foundation & Market Aligned Skill Foundation	MOU
16	15-07-2022	Rajasthan Skill & Livelihood Development Corporation (RSLDC)	MOU
17	07-10-2022	Pandit Deendayal Energy University	MOU
18	15-11-2022	Foundation for CSR @ Redington	MOU
19	17-11-2022	CFRCR Integrated Skill Foundation	MOU
20	22-11-2022	Parishkar College of Global Excellence (Autonomous) (PCGEA)	MOU
21	21-12-2022	Bibi Charan Kaur Memorial Educational & Welfare Society	MOU
22	27-12-2022	Erekrut HR Automation Solution Pvt. Ltd.	MOU
23	06-01-2023	Holy Trinity Educational Society	MOU
24	23-01-2023	Environment Conservation Society (SwitchOn Foundation)	MOU
25	23-02-2023	Pacific Academy of Higher Education and Research University, Udaipur	MOU
26	25-02-2023	BUNDESVERBAND SOLARWIRTSCHAFT e.V., Germany	MOU
27	10-04-2023	Govt. Industrial Training Institute, Sector - 28 C, Chandigarh	MOU
28	19-04-2023	Charities Aid Foundation (CAF)	MOU
29	21-04-2023	Himachal Pradesh Kaushal Vikas Nigam	MOU
30	17-05-2023	Conserve Society	MOU
31	13-06-2023	Andhra Pradesh State Skill Development Corporation	MOU
32	13-06-2023	LA SOCIETE CARREFOUR DES LEADERS (CDL) SARL, Togo	MOU
33	14-06-2023	IIT Mandi iHub and HCI Foundation	MOU
34	20-06-2023	Indo Euro Synchronisation, India - German Varsity, Germany (IESGV)	MOU
35	27-06-2023	Society of JKC, APCCE	MOU
36	27-06-2023	Scope Global Skills University	MOU
37	30-11-2023	HEC Group of Institutions	MOU
38	01-12-2023	Focal Skills	MOU
39	07-02-2024	Satyam Institute of Management Technology, Nakodar	MOU
40	13-03-2024	Tata Power	MOU
41	03-06-2024	Mahatma Gandhi University	MOU
42	09-07-2024	We Foundation	MOU
43	18-07-2024	h2e Power Systems Pvt. Ltd.	MOU
44	19-07-2024	Additional Skill Acquisition Programme Kerela	MOU
45	22-07-2024	Yadupati Singhania Vocational Education Foundation (An Initiative of JK Cement Ltd)	MOU
46	23-07-2024	Manipur Institute of Open Schooling	MOU
47	24-07-2024	All India Management Association (AIMA)	MOU
48	24-07-2024	Parishkar College of Global Excellence (Autonomous) (PCGEA)	MOU
49	24-07-2024	Ecosun Energy Company	MOU
50	24-07-2024	Ecosun Energy Company & MASMA	MOU
51	26-07-2024	TUV Rheinland (India) Pvt Ltd	MOU
52	31-07-2024	Tata Power Company Limited through TPSDI	MOU





# Marketing & Partnerships Group 2023 - 2024

MoUs/Agreements signed with:



# Marketing & Partnerships Group 2023 - 2024

## Major Assignments with Industry / Institutional Engagement:

Sr. No	Date	Signed with	Type
1	06-02-2016	Energy Next	MOU
2	11-03-2016	Uttarakhand Skill Development Society	MOU
3	28-04-2016	Centre for Technology Alternatives in Rural Areas (CTARA), IIT Mumbai (Clean Cook-stove)	LOA
4	20-06-2016	KPMG	LOE
5	19-07-2016	National Backward Classes Finance & Development Corporation (NBCFDC)	LOI
6	26-07-2016	Commonwealth Education Media Centre for Asia (CEMCA)	MOU
7	19-08-2016	SME OneSource	MOU
8	11-10-2016	Indian Renewable Energy Development Agency Ltd. (IREDA)	MOA
9	24-11-2016	Gujrat Energy Research & Management Institute (GERMI)	MOU
10	25-11-2016	Industrial Waste Management Association (IWMA)	MOU
11	29-11-2016	Centre for Technology Alternatives in Rural Areas (CTARA), IIT Mumbai (Ferro cement)	LOA
12	06-01-2017	G.D. Birla Medical Research & Education Foundation	MOU
13	07-01-2017	Madhya Pradesh State Skill Development Mission (MPSSDM)	MOA
14	02-03-2017	Maharashtra State Skill Development Society	MOA
15	06-06-2017	GIZ - German Cooperation	MOU
16	11-06-2017	United Nations Development Program (UNDP) India	LOU
17	19-06-2017	National Safai Karamcharis Finance & Development Corporation (NSKFDC)	MOA
18	28-06-2017	Assam Skill Development Mission (ASDM)	MOA
19	04-07-2017	Rachna Sagar Pvt. Ltd. & NSDC	MOA
20	17-07-2017	Taylor & Francis (Informa UK Ltd.)	MOA
21	27-07-2017	J S Renewable Pvt. Ltd.	MOU
22	30-08-2017	Focal Skill Development Pvt. Ltd.	MOU
23	14-09-2017	REC Foundation (Initiative of Rural Electrification Corporation Ltd.)	MOA
24	04-10-2017	National Resources Defence Council (NRDC) & Council on Energy, Environment & Water (CEEW)	MOU
25	17-11-2017	National Scheduled Caste Finance & Development Corporation (NSCFDC)	MOA
26	21-12-2017	Mindtree Ltd.	MOU
27	05-01-2018	Ernst & Young - (SBI) [12/06/2017 1st]	MOA
28	10-04-2018	Kanoda Energy Systems Pvt. Ltd	MOU
29	10-12-2018	Indian Biogas Association	MOU
30	18-12-2018	LabourNet India Pvt. Ltd.	MOU
31	07-04-2019	Multi-disciplinary Center on Safety, Health & Environment (MDC on SHE)	MOU
32	17-01-2020	Biogas Forum India "BIGFIN"	MOU
33	19-02-2020	Jag Bros Consultants Pvt. Ltd (Youth4Work)	MOA
34	09-03-2022	Tamil Nadu Skill Development Corporation (TNSDC)	MOU
35	23-02-2023	Pacific Academy of Higher Education and Research University, Udaipur	MOU
36	25-02-2023	BUNDESVERBAND SOLARWIRTSCHAFT e.V., Germany	MOU
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# Marketing & Partnerships Group 2023 - 2024

MoUs/Agreements signed with:



# Marketing & Partnerships Group 2023 - 2024

## Centers of Excellence:

There are 10 Centres of Excellence as on date:

1. Gujrat Energy Research & Management Institute (GERMI), at Gandhi Nagar Gujrat
2. Seacom Skill University, at Kolkata, West Bengal
3. Trident College of Engineering, Bhubaneswar, Odisha
4. Agency for Non Conventional Energy & Rural Technology (ANERT), at Thiruvananthapuram, Kerela
5. National Institute of Solar Energy (NISE), at Gurugram, Haryana
6. CVC Training Services, CVC Bio Refineries Bangalore, Karnataka
7. National Institute of Wind Energy, Chennai, Tamil Nadu
8. Alternate Hydro Energy Center (AHEC)
9. Anil Naik Technical Training Center (ANTTC)
10. Tata Power Company Limited through TPSDI



**Gujarat Energy Research & Management Institute (GERMI)** envisions to become a world class research, development, advisory and training organization in the field of conventional and renewable energy.



**Seacom Skills University** is the latest venture of a well known Trust in Kolkata involved in multifarious activities for more than a decade now. The Group offers Engineering and Technical Education with maximum industry orientation and more stress on practical skills, aiming at building greater confidence in students.



**Trident Academy of Technology**, specializes in the field of technical education, is today synonymous with excellence. Within just a few years of its establishment, Trident group of institutions has built an image amongst the aspiring masses which is worth the quality of education it imparts.



**Agency for Non-conventional Energy and Rural Technology (ANERT)**, the object of the Agency is to gather and disseminate useful knowledge in the various fields on Non-conventional Energy, Energy conservation and Rural Technology, conduct studies, demonstrate, Implement and support implementation of schemes and projects in these fields.



**National Institute of Wind Energy (NIWE)** is an autonomous R&D institution established in Chennai in 1998 by the Ministry of New and Renewable Energy (MNRE), Government of India. It is a premier institution with highly experienced professionals having expertise in related disciplines of wind energy,



**National Institute of Solar Energy (NISE), Government of India** is an autonomous specialized institute under the Ministry of New and Renewable Energy (MNRE), Government of India, mandated for research and development, solar component testing and certification, capacity building, and development of solar products and applications.



The **CVC Bio Refineries** mission is to deploy advanced Bio Technologies, which have been successfully commercialized, to address National priorities of reduction of Oil & Gas imports, mitigating Environmental Pollution & CHG emissions along with Jobs & Wealth creation in rural economies.



Department of Hydro and Renewable Energy (HRED) formerly **Alternate Hydro Energy Centre (AHEC)**, an academic department of Indian Institute of Technology, Roorkee was established in the year 1982 and has celebrated 2007 as silver jubilee year.



This **Anil Naik Technical Training Centre** was the first to introduce the concept of skill training for school drop-outs to villages in south Gujarat. Since its inception, over 3600 students, including 1100 girls have graduated from the Anil Naik Technical Training Centre. It is affiliated to the National Skill Development Corporation and is widely regarded as a Centre of Excellence.



TPSDI, a premium institute supported by Tata Power, was established in February 2015 at Mumbai, Maharashtra. TPSDI operates through 6 Training Hubs and 5 Training Spokes strategically positioned across the nation, leveraging resources from Tata Power's joint ventures and subsidiaries. COE in Green Hydrogen. TPSDI holds ISO 21001:2018 certification. COE in Green Hydrogen





# Marketing & Partnerships Group 2023 - 2024

## Campaigns Conducted by SCGJ

### Celebration of commemorate Swachhata Hi Seva (SHS), Campaign”

To commemorate Swachhata Hi Seva (SHS), SCGJ has campaigned for Indians to take the Swachhta pledge to keep our environment neat and clean and to devote ourselves to voluntarily working for cleanliness.

SCGJ has taken a significant step towards realising the vision of a clean India by actively participating in the Swachhata Hi Seva (SHS) campaign. SCGJ has been at the forefront of inspiring citizens to embrace cleanliness as a way of life. Through its outreach programmes, SCGJ has encouraged individuals to take the Swachhta pledge, committing to maintain personal hygiene and contribute to a cleaner environment. Moreover, SCGJ has motivated people to actively participate in voluntary cleanliness drives, fostering a sense of responsibility towards the community. By promoting the core values of SHS, SCGJ is making a substantial impact on creating a cleaner and healthier India.





# Marketing & Partnerships Group 2023 - 2024

## Campaigns Conducted by SCGJ

### Celebration of International Women’s Day Campaign by Skill Council for Green Jobs

**Theme:** A Day to Celebrate Women Who Inspire You the Most

International Women’s Day is a global celebration of the social, economic, cultural, and political achievements of women. The Skill Council for Green Jobs takes this opportunity to honor and recognize the extraordinary contributions of women who inspire us to strive for a better, greener future.

**A Tribute to Inspirational Women:** Women around the world have been at the forefront of pioneering change, driving sustainability, and championing green initiatives. Their relentless commitment to preserving our environment, fostering innovation, and promoting inclusive growth is truly commendable. This day, we celebrate the women who inspire us with their courage, leadership, and vision. From scientists developing groundbreaking renewable energy technologies to grassroots activists advocating for environmental justice, their efforts are shaping a sustainable and equitable future.





# Marketing & Partnerships Group 2023 - 2024

## Campaigns Conducted by SCGJ

### World Environment Day 2024 Celebration: Tree Planting Campaign by Skill Council for Green Jobs

On the occasion of World Environment Day 2024, the Skill Council for Green Jobs (SCGJ), in association with Shri A.K. Dinkar, Secretary of the Central Board of Irrigation and Power (CBIP), took a significant step towards promoting environmental sustainability. The event was marked by the planting of various saplings in the garden of the CBIP Building, located at Malcha Marg, Chanakypuri, New Delhi.

This initiative underscored the SCGJ's unwavering commitment to a greener and healthier future. Employees from the organization enthusiastically participated in the tree planting campaign, demonstrating their dedication to environmental conservation and the importance of green jobs in today's world.

The campaign was more than just an event; it was a collective effort to contribute to the global movement for environmental protection. By planting saplings, SCGJ employees not only enhanced the green cover of the CBIP premises but also set an example of how corporate and government bodies can collaborate to achieve environmental goals.

Shri A.K. Dinkar's involvement added a significant impetus to the initiative, highlighting the crucial role of irrigation and power sectors in sustainable development. His presence and active participation emphasized the importance of integrating green practices into every facet of development projects.

This celebration of World Environment Day 2024 by SCGJ and CBIP serves as a reminder of the critical role that each individual and organization plays in protecting and nurturing our planet. Through such initiatives, SCGJ continues to inspire and lead by example, fostering a culture of environmental responsibility and sustainable living.



SCGJ ran a campaign for Tree Plantation

SCGJ & CBIP planted trees saplings together





# Marketing & Partnerships Group 2023 - 2024



## NAPS Apprenticeship Program - SCGJ

SCGJ, under the National Apprenticeship Promotion Scheme (NAPS), has successfully engaged **4674 apprentices** across **10 diverse job roles**.

This significant achievement underscores the program's commitment to skill development and youth employment. The initiative has fostered collaborations with **74 industries**, creating a robust ecosystem for practical training and industry exposure. By bridging the gap between academia and the workforce, SCGJ is empowering young talent to contribute meaningfully to the nation's economic growth.

This program not only benefits apprentices through skill enhancement but also provides industries with a skilled workforce, thereby boosting productivity and innovation. The collaboration with 74 industries highlights the program's wide reach and impact across various sectors.

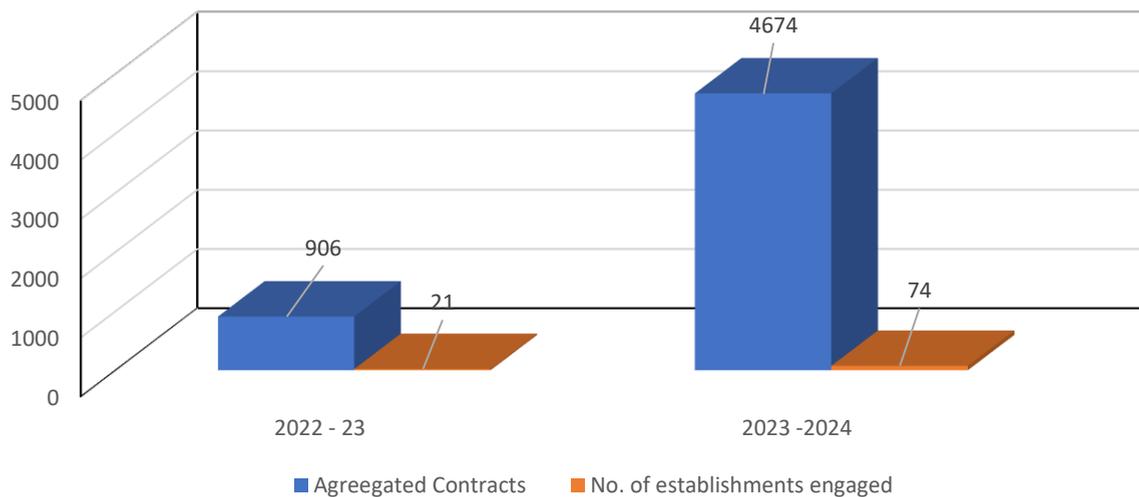
### National Apprenticeship Training Scheme (NATS):

National Apprenticeship Training Scheme is one of the flagship programmes of Government of India for Skilling Indian Youth in Trade disciplines. The National Apprenticeship Training Scheme under the provisions of the Apprentices Act, 1961 amended in 1973; offers Graduate, Diploma students and Vocational certificate holders; a practical, hands-on On-the-Job-Training (OJT) based skilling opportunities with duration ranging from 6 months to 1 year.

NATS Website: <https://nats.education.gov.in/>

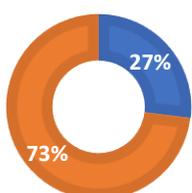
### Graphical Representation:

NAPS Status FY 2023-24

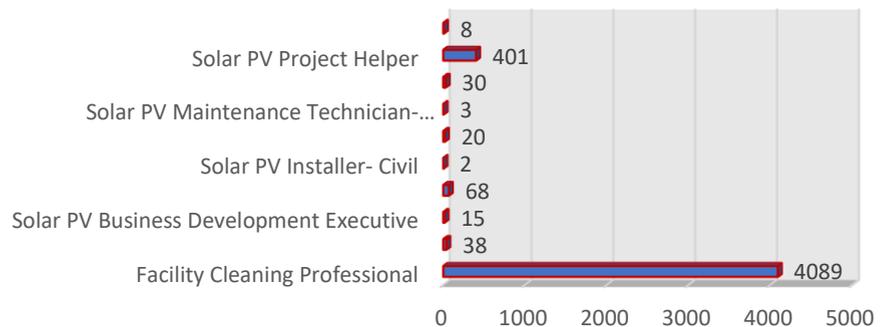


### NAPS DATA GENDER WISE FY 2023-24

■ female ■ male



### Chart Title





# Marketing & Partnerships Group 2023 - 2024

## SCGJ News Letters During 2023-24



22nd Issue (April 2023)



23rd Issue (July 2023)



24th Issue (Oct 2023)



25th Issue (Jan 2024)



26th Issue (April 2024)



27th Issue (July 2024)



## Marketing & Partnerships Group 2023 - 2024

### Harit Umang Project - 'Joy of Green':

The Harit Umang-Joy of Green program is committed to promoting sustainable practices and nurturing the ecosystem through four key themes: Hope of Energy, Bio Diversity, E-Waste Management, and Plastic Waste Management.

Key Highlights of the Partnership:

**SCGJ as Knowledge Partner:** SCGJ played a vital role in curating informative content and facilitating knowledge sharing. Webinar Series: SCGJ organized nine successful webinars across four crucial themes:

- Hope of Energy: Focused on renewable energy solutions and energy conservation.
- Biodiversity: Highlighted the importance of preserving biodiversity and ecological balance.
- E-Waste Management: Addressed responsible e-waste disposal and its environmental impact.
- Plastic Waste Management: Emphasized ways to reduce plastic consumption and manage plastic waste effectively.

**Green Ambassador Network:** The program successfully created a network of 1200 Green Ambassadors, presumably students who actively participated and spread environmental awareness within their communities.

**Speaker Expertise:** SCGJ arranged speakers from diverse fields, ensuring well-rounded and informative webinars.

**Overall Impact:** This collaborative effort by Panasonic and SCGJ equipped young minds with the knowledge and tools to become environmental stewards. The program's success is evident in the establishment of a Green Ambassador network, poised to make a lasting positive impact.

Sr. No.	Date	Webinar Topic	Speaker Details
1	14-12-2023	Hope of Energy	Mr Japen Gor, Proprietor, GORenewable Technology
2	27-12-2023	Plastic Waste Management	Mr. Saurabh Manuja, Waste Management Advisor (Technical), Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ), India
3	18-01-2024	E-waste	Dr. Rimika Kapoor, Founder, GreenLoop Cleantech
4	08-02-2024	Biodiversity	Dr. Manoranjan Hota, Former Adviser/Scientist "G", Ministry of Environment, Forest and Climate Change (MoEFCC)
5	23-02-2024	Plastic Waste	Mr. Ashish Jain, Founder & Director, Indian Pollution Control Association
6	13-03-2024	E-waste	Dr. Perminder Jit Kaur, Senior Policy Fellow, Centre for Policy Research (CPR), Department of Science and Technology (DST), New Delhi
7	10-04-2024	Hope of Energy	Dr. (Prof.) Girish Sapra, Founder & CEO, GreenBrigade Private Limited
8	03-05-2024	Biodiversity	Dr. Anandi Subramanian, Founder Director, Soaring Sparrows Foundation (SSF)
9	22-05-2024	Hope of Energy	Dr. P Raman, Director, Energy Efficiency and Environment P. Ltd
		Biodiversity	Mr. Kumar Rajnish, National Manager, Green Livelihoods, American India Foundation (AIF)





# Marketing & Partnerships Group 2023 - 2024

**Webinar On E-waste**

**Wednesday**  
13th March, 2024

**Start At**  
04:00pm - 05:00pm

**Moderator**  
**Mr. Parveen Bansal**  
CEO & Founder (Focalyt)

**Speaker**  
**Dr. Perminder Jit Kaur**  
Chemical Engineer at the Department of Science and Technology (DST)

**Ritu Ghosh**  
(Head - Corporate Affairs)

SAFE DISPOSAL E-WASTE

**Panasonic** हरित उमंग  
Explore 'Joy of Green'

**REGISTER FOR SESSION**

**LIVE WEBINAR ON BIODIVERSITY**

**FRIDAY**  
START AT 12:30PM - 01:30PM

SAVE THE DATE 03 May, 2024

**CLICK HERE FOR REGISTRATION**

**Mrs. Ritu Ghosh**  
(Associate Director - Corporate Affairs)  
Panasonic Life Solution India Pvt. Ltd.

**Dr. Anandi Subramanian**  
(Speaker)  
Founder Director of Soaring Sparrows Foundation

**Mr. Sarvesh Pratap**  
(Moderator)  
Senior Manager-Technical at (SCGJ)

**Panasonic** हरित उमंग  
Explore 'Joy of Green'

**Don't Miss the Chance**  
Our Exclusive Webinar is Happening **Today!**

**WEBINAR ON BIODIVERSITY**

**Thursday**  
08 Feb, 2024

**Time**  
04:00 PM TO 05:00 PM

**Dr. Manoranjan Hota**(Speaker)  
Works at MOEFCC, CPGB

**Mr. Sarvesh Pratap**(Moderator)  
Social Manager-Technical at (SCGJ)

**RITU GHOSH**  
(Head - Corporate Affairs)

**CLICK HERE FOR WEBINAR LINK**

**DON'T MISS THE CHANCE**  
Our Exclusive Webinar is Happening Today!

**WEBINAR ON HOPE OF ENERGY BIODIVERSITY**

**SAVE THE DATE**  
22 May, 2024

**START AT**  
04:00PM - 05:00PM

**Mrs. Ritu Ghosh**  
(Associate Director - Corporate Affairs)  
Panasonic Life Solution India Pvt. Ltd.

**Mr. Rajnish Kumar**  
(Speaker)  
National Manager, Green Livelihoods in American India Foundation

**Dr. P Raman**  
(Speaker)  
Director of "Energy Efficiency and Environment P. Ltd

**Prem Bharti**  
(Moderator)  
Technical officer  
Skill Council for Green Jobs

**Panasonic** हरित उमंग  
Explore 'Joy of Green'

**REGISTER FOR SESSION**

**Webinar on Hope of Energy**

**Wednesday**  
10th April, 2024

**Start At**  
04:00pm - 05:00pm

**Click Here For Registration**

**Mrs. Ritu Ghosh**  
(Associate Director - Corporate Affairs)  
Panasonic Life Solution India Pvt. Ltd.

**Ms. Sangeeta Patra**  
(Moderator)  
Vice President - Marketing & Partnerships, SCGJ

**Dr. Girish Sapra**  
(Speaker)  
Founder & CEO - GreenBrigade Pvt. Ltd., Jalandhar (India)

हरित उमंग हरित उमंग Explore 'Joy of Green' **Panasonic**

**HOPE OF ENERGY WEBINAR**

**On National Energy Conservation Day**

**Ritu Ghosh**  
(Head - Corporate Affairs)

**Date**  
14-DEC-2023

**Webinar Time**  
03:45PM - 04:45PM

**Register For Session**

**Prem Bharti** (Speaker)  
Master (M.Tech) in Green Energy Technology

**Japen Gor** (Speaker)  
Certified Master Trainer & Course Designer



# Marketing & Partnerships Group 2023 - 2024

**हरित उमंग**  
Explore 'Joy of Green'

Don't miss out on this transformative opportunity!  
"Platform where curiosity and intelligence converge"

**JOIN HARIT UMANG**

## WEBINAR PLASTIC WASTE

**Date**  
27 Dec, 2023

**Time**  
04:00pm - 05:00pm

**Ritu Ghosh**  
(Head - Corporate Affairs)

**Moderator**  
Mr P B Singh  
Manager, Skill Council for Green Jobs(SCGJ)  
Renewable Energy and Waste Management

**Speaker**  
Mr Sourabh Manuja  
Technical Advisor, GIZ

Register For Session

Knowledge Partner

Implementation Partner

**हरित उमंग**  
Explore 'Joy of Green'

## JOIN HARIT UMANG Webinar On E-waste

**18 JAN. 2024**  
03:45PM To 04:45PM

**Ritu Ghosh**  
(Head - Corporate Affairs)

**Dr. Rimika Kapoor(Speaker)**  
Founder GreenLoop Cleantech

**Mr P B Singh(Moderator)**  
Manager, Skill-Council(SCGJ)  
Renewable Energy and Waste Management

Register For Session

Knowledge Partner

Implementation Partner

**हरित उमंग**  
Explore 'Joy of Green'

REGISTER FOR SESSION

# WEBINAR ON PLASTIC WASTE

**FRIDAY**  
23 FEB, 2024

**TIME**  
04:00 - 05:00 PM

**Speaker**  
**Ashish Jain**  
Founder Director of Indian Pollution Control Association (NGO)

**Moderator**  
**Kamal Saxena**  
Manager - Strategy and Operations (SCGJ)

**RITU GHOSH**  
(Head - Corporate Affairs)

Register For Session

Knowledge Partner

Implementation Partner





# Marketing & Partnerships Group 2023 - 2024

## Social Media:



SCGJ had 2,38,154 impressions (1<sup>st</sup> April 2023 to 30<sup>th</sup> June 2024)



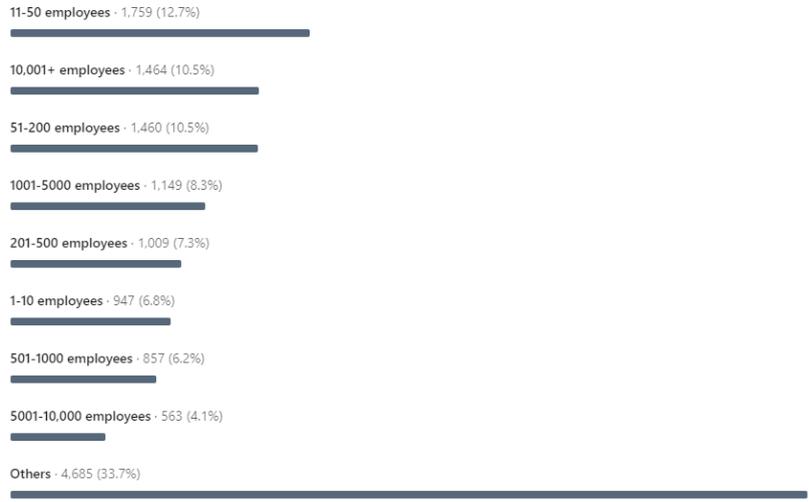
### Visitor demographics

Industry



### Visitor demographics

Company size



SCGJ had 38,032 impressions in (1<sup>st</sup> April 2023 to 30<sup>th</sup> June 2024)



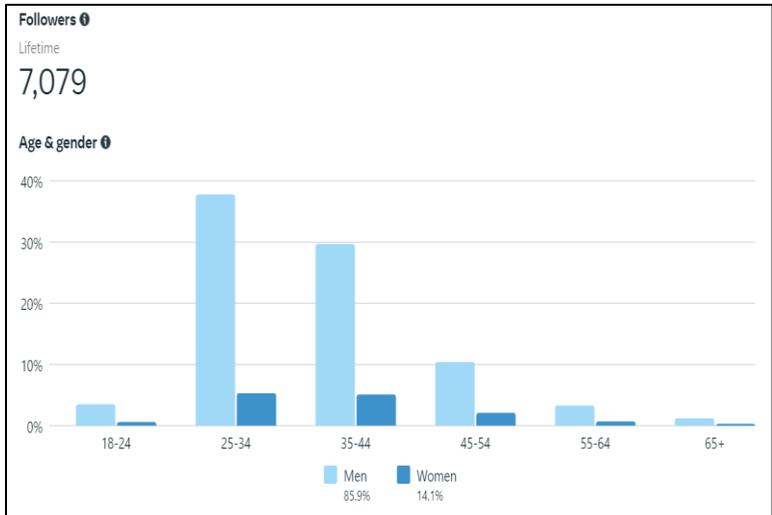
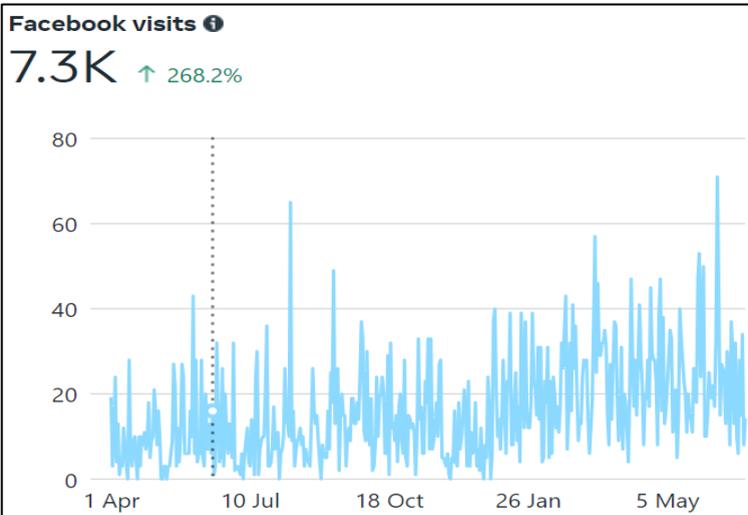
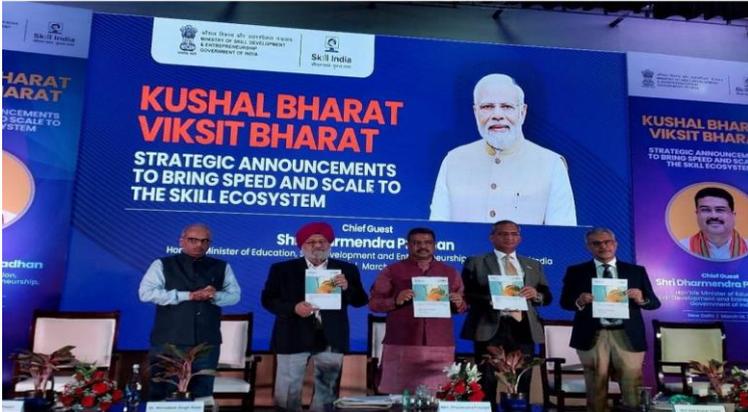


# Marketing & Partnerships Group 2023 - 2024

## Social Media:



SCGJ had 94,836 impressions (1<sup>st</sup> April 2023 to 30<sup>th</sup> June 2024)



SCGJ had 6,653 impressions in (1<sup>st</sup> April 2023 to 30<sup>th</sup> June 2024)

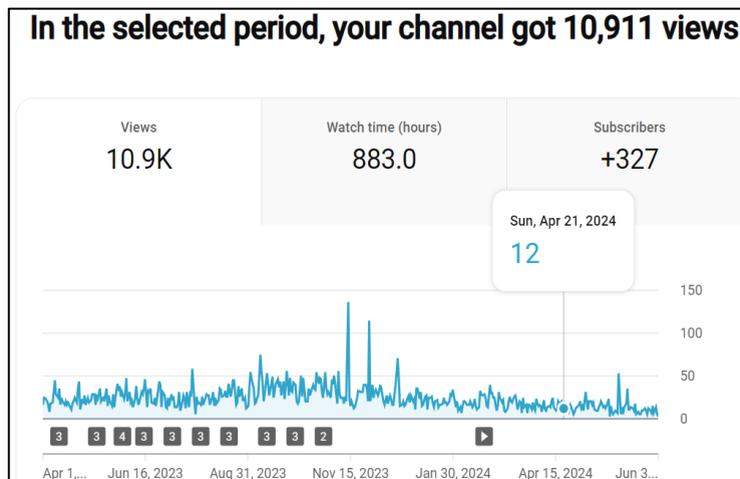


# Marketing & Partnerships Group 2023 - 2024

## Social Media:

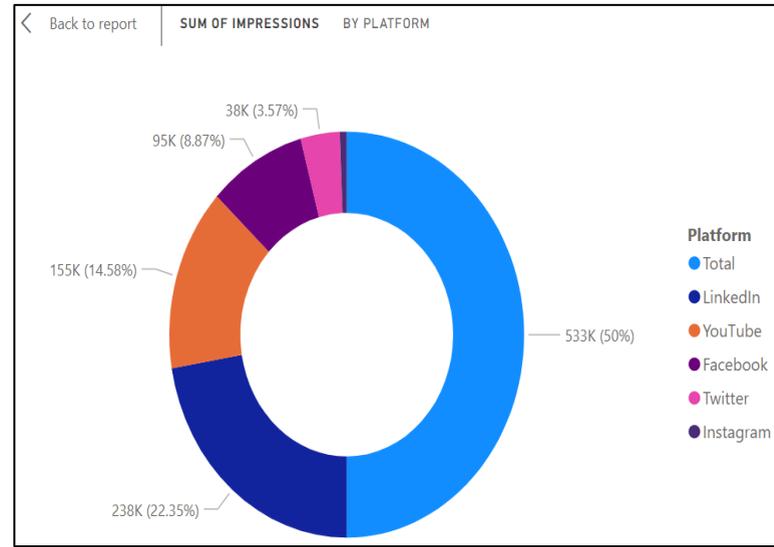


SCGJ had 1,55,414 impressions in FY 2023-2024



**SCGJ's capsulated facts on Social Media (1<sup>st</sup> April 2023 to 30<sup>th</sup> June 2024)**

Platform	Impressions	Followers
Facebook	94,560	7079
LinkedIn	2,38,154	6390
Twitter	38,032	2412
Instagram	6,653	212
YouTube	1,55,414	658
<b>Total</b>	<b>5,32,813</b>	<b>16751</b>



# Marketing & Partnerships Group 2023 - 2024

## Marketing Collaterals:

**SCGJ'S INDUSTRY CONNECT**

Green Jobs propelling Green Growth

www.scgj.in

**ABOUT SKILL COUNCIL FOR GREEN JOBS (SCGJ)**

**KEY SECTORS COVERED UNDER SCGJ**

- Renewable Energy:** 1. Solar (Photovoltaic), 2. Wind, 3. Small Hydro, 4. Energy Storage, 5. Biogas/Bioenergy/Bio Power Generation (Biogas, Biogas, Biogas), 6. Clean Cook Stoves
- Environment, Forest & Climate Change:** 7. Solid Waste Management, 8. Municipal Solid Waste Management, 9. Sewer Treatment & Sludge Handling & Micro-Injection, 10. E-waste Management, 11. Carbon Credits, 12. GHG Credits, 13. Eco Tourism
- Sustainable Development:** 13. Green Hydrogen, 14. Green Construction, Green Buildings, Green Campus, 14. Green Construction, Green Buildings, Green Campus, 15. Pollution Prevention & Control

**KEY MISSIONS WITH WHICH SCGJ INTERVENTIONS ARE ALIGNED WITH**

Skill India Mission, Smart Cities Mission, INDCs, Search Bharat Mission, National Solar Mission, Green India Mission, Green Hydrogen Mission, Make in India, National Water Mission

**SECTOR-WISE QUALIFICATION FOR TRAINING**

Sector	12	13A	13B	14	14A	14B	15	16	17	18	19	20	21	22	Total
Solar Energy	1	1	1	1	1	1	1	1	1	1	1	1	1	1	14
Green Hydrogen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Wind Energy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Small Hydro	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Biogas	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Clean Cooking	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water Management	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Sustainability	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Environment	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Others	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
<b>Total</b>	<b>2</b>	<b>1</b>	<b>17</b>												

**TRAINING & ASSESSMENT CAPACITY**

- Certified Trainers: 4717\*
- Certified Assessors: 756\*
- Trained and Certified Candidates: 561720\*
- No. of States and UTs Covered: 28\*
- Affiliated Training Centers (m-inns): 909\*

**Qualifications / Job Roles**

S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
1	Solar PV Installer (Surrentment) SGG/Q001	4	Total 420 National hours i.e. 34 Credits (Including Theory: 228 + Practical: 192 + OIT: 60)	<ul style="list-style-type: none"> <li>12th grade Pass (Science + or Equivalent) with NA of experience</li> <li>10th grade pass with 3 years of experience Renewable energy/power sector experience</li> <li>10th grade pass (2 years of any combination of NTC/NAC/CITs or equivalent in relevant trade) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level (3.5 Solar PV Site Survey Assistant - Solar Panel Installation) with 3 years of experience Renewable energy/power sector experience</li> </ul>
1	Solar PV Installer - Electrical SGG/Q002	4	Total 350 National hours i.e. 33 Credits (Including Theory: 165 + Practical: 185 + OIT: 120)	<ul style="list-style-type: none"> <li>12th grade Pass (With Science or Equivalent) with NA of experience</li> <li>10th grade pass with 3 years of experience Renewable energy/power sector experience</li> <li>10th grade pass (with 2 years of any combination of NTC/NAC/CITs in relevant trade) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level (3.5 Solar PV Site Survey Assistant) - Solar Panel Installation) with 3 years of experience Renewable energy/power sector experience</li> </ul>
3	Solar PV Cell Manufacturing Technician SGG/Q003	4	420 hours (Theory: 180 hours + Practical: 150 hours + 60 hours of employability skills + 120 hours of OIT)	<ul style="list-style-type: none"> <li>12th Grade</li> <li>Completed 2nd year of 3 year diploma (After 10th) and pursuing regular diploma</li> <li>10th grade pass (with 2 year NTC)</li> <li>10th grade pass plus 3 year NTC plus 1 year NAC</li> <li>8th pass plus 2 year NTC plus 1 year NAC plus OIT</li> <li>Previous relevant Qualification of NSQF Level 3.5 with minimum education as 8th Grade pass 3 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3.5 with 1.5 year relevant experience</li> </ul>



**Green Jobs Handbook 2047 VISION**

2022 2023 2024 2025 2026 2027 2028 2029 2030 2035 2040 2045 2046

**Skill Council for Green Jobs**  
NCVET Recognised Awarding Body

A comprehensive information handbook to foster career in Green Business.

**KNOWLEDGE PARTNERSHIP**

SCGJ X FORMULA BHARAT

Infusing sustainability into Engineering Education and Motorsports.

QR for our Channel

**GHG Accounting & Sustainability Reporting**

An Online Course presented by Skill Council for Green Jobs

Get Market Ready!

1st - 5th July 2024 | 3:00 PM - 5:00 PM (IST)

**What you will master**

- Measurement & Analysis of GHG Emissions
- Mitigation Strategies
- Sustainability Reporting

**Key benefits**

- Government Certification
- Career Advancement
- Future-Proof Your Skills

**Limited Seats Available!**

Course Fee: Invest in Your Future INR 10,000 only

Scan QR Code Enrol Now

**Suitable for**

- Management Professionals
- Executives & Business Leaders
- Academics
- Graduate Students
- Technologists

**Fundamentals of Green Hydrogen**

An Online Course presented by Skill Council for Green Jobs

Get Future Ready!

7th & 8th June 24 | 3:00 PM - 4:30 PM (IST)

**What you will master**

- Concepts of Green Hydrogen
- Components of Green Hydrogen Plant
- NGHM

**Key benefits**

- SCGJ Certification
- Career Advancement
- Future-Proof Your Skills

**Limited Seats Available!**

Course Fee: Invest in Your Future INR 2000 Only

**Suitable for**

- Those Studying in the field of Renewable Energy / Environmental Science
- Graduate Students
- Enthusiast



# Marketing & Partnerships Group 2023 - 2024



## Introducing SCGJ's - IAGE

### About IAGE @ SCGJ

International Academy for Green Energy (IAGE) started operations from 1 March 2024. IAGE was conceived as a technical department of the Skill Council for Green Jobs (SCGJ), with the vision of the then CEO of SCGJ, Dr. Praveen Saxena. He had set out the aspirational vision of setting up a Training Delivery operation within SCGJ, which would be established as a world-class facility for market driven trainings in the green sector.

IAGE was seen as a benchmark to be set for all affiliate Training Partners of SCGJ, providing training in the higher levels of technical skills as well as design and managerial skills necessary in the industry providing Green Jobs.

To start with, IAGE is focused on the deployment of emerging technologies and practices like Green Hydrogen and ESG. Solar energy, Wind energy, Water management, and Biomass energy and recycling are other fields which would be domains for training driven by demand and capacity.

IAGE was designated the site for training candidates for the World Skills Competition 2024 in Renewable Energy. This year the World Skills Competition is slated to be held at Lyon, France in September 2024. Those competitors who were shortlisted in the District, State, and National levels from India Skills competition were trained by expert trainers over two weeks. IAGE has set up a full-fledged Solar Photo Voltaic lab with all tools and equipment.

In the first three months of operation, IAGE successfully developed and delivered a program on “**GHG Accounting & Sustainability Reporting**”. The program enrollments exceeded expectations as 37 participants signed up for the live online program designed to be aligned with the Micro-Credential by the same name. We partnered with an Industry Expert - Net Zero Think Pvt. Ltd. – to develop and deliver the training program, which received exemplary feedback and was appreciated very well by the participants.

Programs are announced on the Qrencia.com platform also, which leverages social media channels to optimize reach to the intended target audience for mobilization, and also provides learner enrollment management.

Further programs that were developed, and some of which are in the pipeline are:

- i) Fundamentals of Green Hydrogen
- ii) Techno-Commercial Aspects of Green Hydrogen Plants
- iii) Waste Water Management
- iv) Trading in Carbon Credits
- v) Designing Considerations for Green Buildings
- vi) Programs for the PM Surya Ghar Yojana for Solar Rooftops
- vii) Programs for the NGHM (National Green Hydrogen Mission)

IAGE is also contributing to Content design and development for job-roles that have been defined, and that are emerging in this time of rapid industrial development and growth. In addition, there are new opportunities coming to SCGJ and IAGE because of the greater visibility of our expertise.

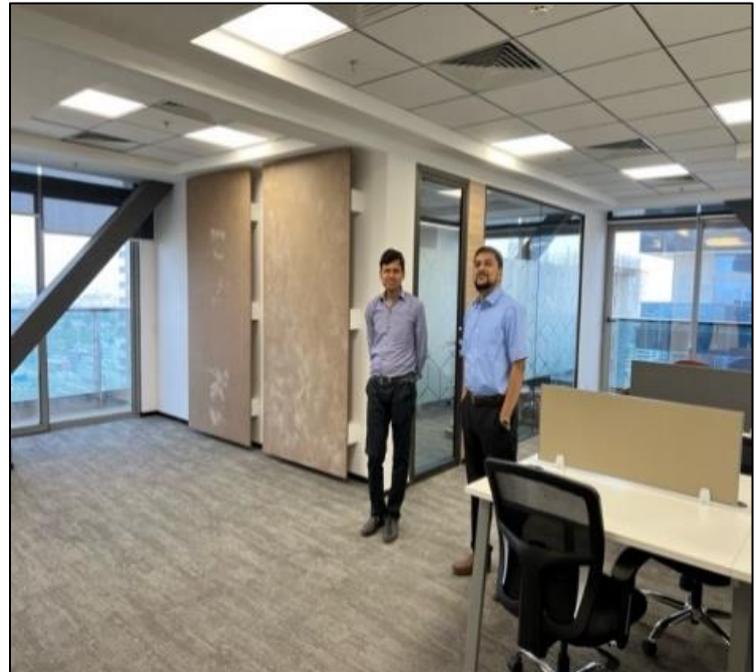
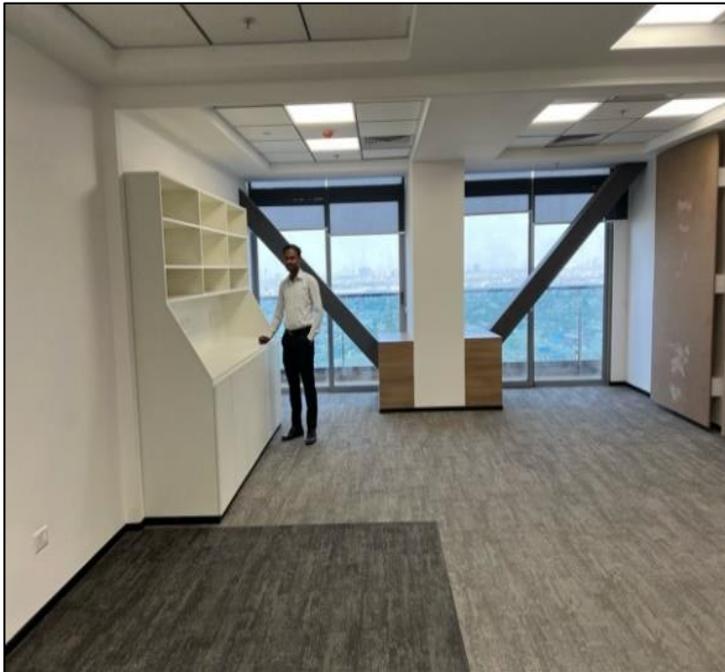




# Marketing & Partnerships Group 2023 - 2024



## The Making of IAGE Some Photographs



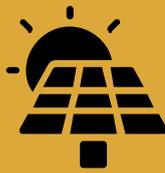


# Qualifications Developed



Qualifications (Skill Course)

# Solar Energy



1

## Solar PV Installer (Suryamitra)

NQR Code: [QG-04-ES-02628-2024-V2-SCGJ](#)

SGJ/Q0101 v4.0  
Valid upto:30.05.2027

### DESCRIPTION

Solar PV Installer checks, adapts, implements, configures, installs, inspects, tests and commissions different components of photovoltaic systems, that meet the performance and reliability needs of customers by incorporating quality craftsmanship and complying with all applicable codes, standards and safety requirements

### Overview of QP

**NSQF Level:** 4

**Course Duration/Training Hours:** 420

**Trainee Qualification:** 12th grade Pass (Science) + or Equivalent) with NA of experience

OR 10th grade pass with 3 Years of experience Renewable energy/power sector experience

OR 10th grade pass ( 2 years of any combination of NTC/NAC/CITS or equivalent in relevant trade ) with NA of experience

OR Previous relevant Qualification of NSQF Level ( 3.5 Solar PV Site Survey Assistant) )

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

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2

## Solar PV Installer – Electrical

NQR Code: [QG-04-ES-02629-2024-V2-SCGJ](#)

SGJ/Q0102 v4.0  
Valid upto: 30.05.2027

### DESCRIPTION

Solar PV Installer - Electrical installs, tests and commissions different electrical components of photovoltaic systems, that meet the performance and reliability needs of customers. The work is performed by incorporating quality craftsmanship while complying with all applicable codes, standards and safety requirements.

### Overview of QP

**NSQF Level:** 4

**Course Duration/Training Hours:** 390

**Trainee Qualification:** 12th grade Pass - with Science or Equivalent and NA Experience OR 10th grade pass and 3 Years Experience - Renewable energy/power sector experience. OR 10th grade pass - with 2 years of any combination of NTC/NAC/CITS in relevant trade and NA Experience. OR Previous relevant Qualification of NSQF Level - 3.5 (Solar PV Site Survey Assistant) and specialized - 1.5 years of Renewable energy/power sector experience.

**Entry Age (Years):** Minimum age: 16

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3

## Rooftop Solar Grid Junior Engineer

NQR Code: [QG-05-ES-02627-2024-V2-SCGJ](#)

SGJ/Q0106 v4.0  
Valid upto:29.05.2027

### DESCRIPTION

Rooftop Solar Grid Junior Engineer checks, inspects, interconnects and tests different components of the grid connected Solar rooftop PV Power Plant in compliance with all relevant codes, standards and safety requirements.

### Overview of Qualification

**NSQF Level: 5**

**Course Duration/Training Hours: 540**

**Trainee Qualification:** Completed 4 year UG program ( UG Diploma in Electrical/Electronics or equivalent) with NA of experience  
OR 12th grade Pass ( with 1 year of NTC/NAC in relevant trade)  
OR 10th grade pass (with 3-year Diploma in Electrical/Civil/Mechanical Engineering)  
OR Previous relevant Qualification of NSQF Level ( 4.5)

**Entry Age (Years):** Minimum age: 19

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4

## Solar PV Installation Helper

NQR Code: [QG-02-ES-02632-2024-V2-SCGJ](#)

SGJ/Q0111 v4.0  
Valid upto: 29.05.2027

### DESCRIPTION

Solar PV Installation Helper assists in performing the site survey, erection, commissioning activities along with maintenance activities for solar PV power plants and off grid solar systems.

### Overview of Qualification

**NSQF Level: 2**

**Course Duration/Training Hours: 270**

**Trainee Qualification:** Ability to read and write with 1 Year of experience  
Relevant experience in solar/power sector

**Entry Age (Years):** Minimum age: 16

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5

## Solar Water Pumping Junior Engineer

NQR Code: [QG-05-ES-02631-2024-V2-SCGJ](#)

SGJ/Q0112 v4.0  
Valid upto: 29.05.2027

### DESCRIPTION

A Solar Water Pumping Junior Engineer specializes in the design, installation and commissioning of the solar PV power plant, its quality assurance and Health & Safety issues. He/she also specializes in designing, installation and commissioning of solar water pumping systems..

### Overview of Qualification

**NSQF Level: 5**

**Course Duration/Training Hours: 540**

**Trainee Qualification:** Completed 2nd year of UG (UG Diploma) ((Electrical/Electronics) or equivalent) with NA of Experience OR 12th grade pass with 1 year NTC/ NAC (12th Grade pass with 1 year of NTC/NAC in relevant trade) with 1-2 Years of experience 1.5 years of relevant experience in renewable energy/ power sector. OR Completed 3 year diploma after 10th (Any stream of Engineering) with 1-2 Years of experience 1.5 years of relevant experience in renewable energy/ power sector. OR Previous relevant Qualification of NSQF Level (Previous relevant qualification of level 4.5 ) with 1-2 Years of experience 1.5 years of relevant experience in renewable energy/ power sector.

**Entry Age (Years):** Minimum age: 19

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6

## Solar PV Module Manufacturing Technician

NQR Code: [QG-04-ES-02633-2024-V2-SCGJ](#)

SGJ/Q0119 v4.0  
Valid upto: 29.05.2027

### DESCRIPTION

Solar PV Module Manufacturing Technician cleans and checks the front glass cover for the PV module; monitors the process of soldering solar cells to the strings to make interconnect, lamination of modules, framing of solar PV module, module testing and packaging for transit.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification:** 12th grade Pass (with Science or equivalent) with 1 Year of experience of relevant experience in renewable energy/power sector OR 10th grade pass with 3 Years of experience of relevant experience in renewable energy/power sector OR 10th grade pass with 2 Years of experience of any combination of NTC/NAC/CITS or equivalent in relevant trade OR Previous relevant Qualification of NSQF Level ( 3.5 )

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

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7

## Solar Lighting Assembler

NQR Code: [QG-04-ES-02630-2024-V2-SCGJ](#)

SGJ/Q0201 v4.0

Valid upto: 29.05.2027

### DESCRIPTION

A Solar lighting Assembler assembles, tests and repairs different types of solar photovoltaic (SPV) lamps adhering to basic electrical standards.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 450**

**Trainee Qualification:** 12th grade Pass ( with science or equivalent)

OR 10th grade pass ( with 2 years of any combination of NTC/NAC/CITS or equivalent in relevant trade) with NA of experience

OR 10th grade pass with 3 Years of experience Renewable energy/power sector/light assembling

OR Previous relevant Qualification of NSQF Level ( 3.5)

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

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8

## Solar Photovoltaic Entrepreneur

NQR Code: [QG-05-ES-00528-2023-V1.1-SCGJ](#)

SGJ/Q0901 v2.0

Valid upto: 26.01.2025

**DESCRIPTION:** Solar Photovoltaic Entrepreneur is an individual who ventures into Solar market to lead an enterprise. He/She has the understanding of solar business models, market, technical knowledge of solar PV plants/system, along with components procurement and financing.

### Overview of Qualification

**NSQF Level: 5**

**Course Duration/Training Hours: 540 hours.**

**Trainee Qualification:** (Completed 2nd year of UG/ Pursuing 2nd year of UG and continuous education in a relevant discipline(BA/B.Sc/B Com/BBA/BE/BTech)

Or Pursuing 2nd year of 2-year diploma after 12th

Or Completed 3 year diploma after 10th with 1 year relevant experience

Or 10th Grade pass with 4 year relevant experience

Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience

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

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## 9 Solar PV Cell Manufacturing Technician

NQR Code: [QG-04-ES-00147-2023-V1-SCGJ](#)

SGJ/Q0203 v1.0  
Valid upto: 31.01.2026

**DESCRIPTION:** Solar PV Cell Manufacturing Technician performs solar cell manufacturing tasks in a production line, cleans silicon wafer, undertake chemical and thermal processing in making solar cells. The job holder operates various stations including metallization processes and is also responsible for testing and packaging of solar cells.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 420 hours.

**Trainee Qualification:** 12th Grade

Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma

Or 10th grade pass plus 2-year NTC

Or 10th grade pass plus 1-year NTC plus 1 year NAC

Or 8th pass plus 2-year NTC plus 1 Year NAC plus CITS

Or Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass 3 year relevant experience

**Entry Age (Years):** Minimum age: 16years

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## 10 Solar Domestic Product Assembler

NQR Code: [QG-2.5-ES-00907-2023-V1-SCGJ](#)

SGJ/Q4902 v1.0  
Valid upto: 31.08.2026

**DESCRIPTION:** Solar Domestic Product Assembler assembles fabricated parts of small DC light sub assembly units by operating required tools. He/She also test and calibrate the assembled units to ensure the small DC based solar products meet the required quality and safety specifications. The job holder also repairs, refits and handles warranty claims for the concerned assembled units.

### Overview of Qualification

**NSQF Level:** 2.5

**Course Duration/Training Hours:** 270 hours.

**Trainee Qualification:** 8th grade pass (and pursuing continuous schooling) with NA of experience

OR 9th grade pass with NA of experience

OR 5th grade pass with 4 Years of experience relevant experience

OR Previous relevant Qualification of NSQF Level (1) with 1-2 Years of experience relevant experience

**Entry Age (Years):** Minimum age: 14 years

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11

**Agrivoltaics Installer Electrical**  
**NQR Code: [QG-04-ES-02029-2024-V1-SCGJ](#)**

**SGJ/Q0122 v1.0**  
**Valid upto: 30.01.2027**

**DESCRIPTION:** Agrivoltaics Installer Electrical is responsible for installation, operation and maintenance of solar photovoltaic systems for producing power and suitable crops at the project site.

**Overview of Qualification**

**NSQF Level: 4**  
**Course Duration/Training Hours: 510**  
**Trainee Qualification:** 12th grade Pass (or equivalent ) with NA of experience  
 OR Pursuing 3rd year of 3-year diploma after 10th ((Electrical/ Mechanical) ) with NA of experience  
 OR 10th grade pass  
 OR Previous relevant Qualification of NSQF Level (3.5)

**Entry Age (Years):** Minimum age: 16

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12

**Solar Manufacturing Junior Technician**  
**NQR Code: [QG-03-ES-00908-2023-V1-SCGJ](#)**

**SGJ/Q4901 v1.0**  
**Valid upto: 31.08.2026**

**DESCRIPTION:** Solar Manufacturing Junior Technician is responsible for basic preparation, handling and supply of materials for solar manufacturing. The job holder must adhere to all safety procedures and practice good housekeeping, safe operation of specific equipment, material or processes. This is an entry level position for solar manufacturing.

**Overview of Qualification**

**NSQF Level: 3.0**  
**Course Duration/Training Hours: 300 hours.**  
**Trainee Qualification:** 9th grade pass (and pursuing continuous schooling in regular school.) with NA of experience  
 OR  
 8th grade pass (with two year of (NTC/ NAC) after 8th Grade Pass ) with 2 Years of experience  
 OR  
 Previous relevant Qualification of NSQF Level ( Level 2.5 ) with 1-2 Years of experience 1.5 years of relevant experience.

**Entry Age (Years):** Minimum age: 16 years

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13

## Solar Photovoltaic Technician

NQR Code: [QG-2.5-ES-00907-2023-V1-SCGJ](#)

SGJ/Q4004 v1.0

Valid upto: 31.08.2026

### DESCRIPTION

Solar PV Technician is responsible for installing small solar PV system including grid tied solar rooftop for domestic consumers, solar street light, Mini & Micro grid etc. The individual at work assesses the installation site, understands the system layout requirement, carry out required safety measures to install small solar projects while ensuring an effective functioning of the system post installation.

### Overview of Qualification

**NSQF Level: 4.0**

**Course Duration/Training Hours: 390 hours.**

**Trainee Qualification:** 11th grade pass ( and pursuing continuous schooling) with NA of experience

OR Pursuing 2nd year of 2-year diploma after 12th ( or Completed 2nd year of 3-year diploma (after 10th)) with NA of experience

OR 11th grade pass with 1 Year of experience relevant experience. OR 10th grade pass with 2 Years of experience relevant experience. OR Previous relevant Qualification of NSQF Level (Level 3.5 ) with 3 Years of experience relevant experience.

**Entry Age (Years):** Minimum age: 16 years

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14

## Junior Technician - Solar Cold Storage

NQR Code: [2022/ES/SCGJ/06459](#)

SGJ/Q4002

Valid upto: 16.11.2025

### DESCRIPTION

Junior Technician-Solar Cold Storage performs installation along with operations and maintenance (O&M) of a solar cold storage/cold room solution while meeting the performance and reliability needs of customers by incorporating quality craftsmanship and complying with all applicable industry standards, quality and safety requirements.

### Overview of Qualification

**NSQF Level: 3**

**Course Duration/Training Hours: 330**

**Trainee Qualification:** 8th Class Pass + NTC ( 2 years)

Or Class 10th Pass

Or Previous relevant Qualification of NSQF Level 2 (e.g. Solar PV Project Helper) , with

1 year of relevant experience

**Entry Age (Years):** Minimum age: 16

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15

**Solar Enterprise Assistant Manager**NQR Code: [QG-05-ES-01754-2023-V1-SCGJ](#)SGJ/Q2601v1.0  
Valid upto: 26.01.2025**DESCRIPTION:**

According to the Indian Renewable Energy Development Agency Limited (IREDA), India is endowed with abundant solar energy capable of producing 5,000 trillion kilowatts (kW) of clean energy. Moreover, India gets 300 sunny days a year in most parts of the country and solar insulation of 4-7 kWh per square meter per day. Strengthen domestic manufacturing of various technology components like solar cells, modules, batteries to generate indirect employment opportunities in these allied sectors. This course would help them to support industry players for implementation of projects across the country. To enhance their knowledge in the field of Solar Energy Technologies and its applications. The participants would be able to learn the knowledge on theory and practical session for quality aspect as qualitative and quantitative measurement. Course will cover both Theoretical as well as Practical sessions which help participants to understand the importance of solar energy applications.

**Overview of Qualification****NSQF Level: 5****Course Duration/Training Hours: 510 hours.****Trainee Qualification:** UG Diploma

OR

12 + 2 year diploma in relevant field with 1 year of relevant experience.

OR

10 + 3 year diploma in relevant field with 1 year of relevant experience

OR

Previous relevant Qualification of NSQF Level 4 with 3 years of relevant experience

**Entry Age (Years):** Minimum age: 21 yearsScan QR Code  
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16

**Solar Photovoltaic Site Survey Assistant**NQR Code: [QG-3.5-ES-00909-2023-V1-SCGJ](#)SGJ/Q1203 v1.0  
Valid upto: 31.08.2026**DESCRIPTION:**

Solar Photovoltaic Site Survey Assistant performs basic solar site survey and assessment for the installation of small solar system. He/She conducts a physical solar site survey using various tools and ensures compliance with state and national regulations, guidelines, along with industry and safety standards for solar Photovoltaic installations. The job holder must show a high level of attention to detail and have good written and verbal skills to communicate with supervisor, solar consumers and fellow team members.

**Overview of Qualification****NSQF Level: 3.5****Course Duration/Training Hours: 360 hours.****Trainee Qualification:** 10th Class (pursuing continuous schooling) with NA of experience

OR

11th grade pass (Or Completed 1st year of 3 year diploma after 10th) with NA of experience

OR

8th grade pass with 2 year NTC plus 1 year NAC plus 1 year CITS

OR

8th grade pass with 3 Years of experience

OR

Previous relevant Qualification of NSQF Level (3Experience) with 1-2 Years of experience

**Entry Age (Years):** Minimum age: 16 yearsScan QR Code  
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17

## Solar Cold Storage Entrepreneur

NQR Code: [2022/ES/SCGJ/06460](#)

SGJ/Q1802

Valid upto: 16.11.2025

**DESCRIPTION:** Solar Cold Storage Entrepreneur sets up an enterprise with an aim to provide a service (to Farmers/FPOs etc) for storing perishable agricultural and horticultural produce for increasing their shelf life and realise better price of the produce. This entrepreneur shall use an innovative solar based cold storage solution that can also be powered through the Grid and has thermal energy storage for providing backup during non-sunny hours.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 390

**Trainee Qualification:** 10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience

Or 10th Class Pass + NTC (2 years after Class 10th)

Or 10th Class Pass with 3 Year Diploma

Or 12th Class Pass, with 6 months of relevant experience

Or Certified on relevant NSQF Level 3, with 2 years of relevant experience

**Entry Age (Years):** Minimum age: 16

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18

## Junior Technician-Solar EV Charging Station

NQR Code: [2022/POW/SCGJ/06461](#)

SGJ/Q4001

Valid upto: 16.11.2025

**DESCRIPTION:** Junior Technician- Solar EV charging station performs tasks while ensuring safety, quality and good workmanship for installation, usage along with O&M of solar powered Electric Vehicle (EV) charging station as per standard industry practices.

### Overview of Qualification

**NSQF Level:** 3

**Course Duration/Training Hours:** 330 hours

**Trainee Qualification:** 8th Class Pass + NTC (2 years)

Or 10th Class Pass

Or Certified on relevant NSQF Level 2 (e.g. Solar PV Project Helper), with 2 years of relevant experience

**Entry Age (Years):** Minimum age: 16

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<b>19</b>	<b>Solar EV Charging Entrepreneur</b> NQR Code: <a href="#">2022/ES/SCGJ/06462</a>	<b>SGJ/Q1801</b> <b>Valid upto: 16.11.2025</b>
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**DESCRIPTION:** Solar EV Charging Entrepreneur sets up an enterprise with an aim to provide a charging service to EV users while utilising solar energy (along with Grid power). This entrepreneur shall establish, setup and operate solar integrated EV charging stations for charging of electric vehicles at various locations to enable faster adoption of EVs across the country by ensuring safe, reliable, accessible, low cost and sustainable EV charging infrastructure.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 390**

**Trainee Qualification:** 10th Class Pass + NTC (1 year after Class10th), with 1 year of relevant experience

OR 10th Class Pass + NTC (2 years after Class 10th)

OR 10th Class Pass with 3 Year Diploma, with no experience

OR 12th Class Pass, with 6 months of relevant experience

OR Certified on relevant NSQF Level 3, with 2 years of relevant experience

**Entry Age (Years):** Minimum age: 16

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<b>20</b>	<b>Solar PV Structural Assistant Design Engineer</b> NQR Code: <a href="#">Under Approval</a>	<b>SGJ/Q0109 v3.0</b> <b>Valid upto: 26.05.2024</b>
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**DESCRIPTION**

The learner would be able to designs the module mounting structures, foundations for the module mounting structures, inverters and transformers and the complete layout of the solar PV power plant including walkways between the module mounting structures civil/ structural work for the control room, and allied structural works for the rooftop or ground mount solar PV power plant.

### Overview of Qualification

**NSQF Level: 5**

**Course Duration/Training Hours: 510**

**Trainee Qualification:** Pursuing 2nd year of UG and continuous education

Or Pursuing 2nd year of 2-year diploma after 12th

Or 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS)

Or Completed 3 year diploma after 10th with 1 year relevant experience

Or 10th Grade pass with 4 year relevant experience

Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience

**Entry Age (Years):** Minimum age: 19

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<b>21</b>	<b>Solar PV Designer</b> NQR Code: <u>Under Approval</u>	<b>SGJ/Q0110 v3.0</b> <b>Valid upto: 26.05.2024</b>
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**DESCRIPTION**

The Learner would be able to review civil and electrical design of the Solar PV power plant & prepare the energy simulation report.

**Overview of Qualification**

**NSQF Level: 7**

**Course Duration/Training Hours: 690**

**Trainee Qualification:** Pursuing PhD ( relevant discipline) with no Experience  
Or Pursuing 2nd year of 2 year PG Engineering ( MTech in relevant discipline).  
with no Experience Required

Or Completed 3 year UG degree with 3 years of relevant experience

Or Completed 4 year UG degree with Honours with research with 2 years of relevant experience

Or Previous relevant Qualification of NSQF Level 6 with 3 years of relevant experience.

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

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<b>22</b>	<b>Solar PV Business Development Executive</b> NQR Code: <u>Under Approval</u>	<b>SGJ/Q0107 v3.0</b> <b>Valid upto:26.05.2024</b>
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**DESCRIPTION**

The Learner will be able to tell to the client advantages of using solar power devices and systems to develop and generate business for the organization. S/He would have understanding of the rooftop SPV market, ground mount SPV market and decentralized SPV system market and will be able to suggest right kind of solar solution to meet the specific needs of the clients.

**Overview of Qualification**

**NSQF Level: 5**

**Course Duration/Training Hours: 540**

**Trainee Qualification:** Pursuing 2nd year of UG and continuous education  
Or Pursuing 2nd year of 2-year diploma after 12th

Or 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS)

Or Completed 3 year diploma after 10th with 1 year relevant experience

Or 10th Grade pass with 4 year relevant experience

Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience

**Entry Age (Years):** Minimum age: 19

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23

**Solar PV Installer – Civil**  
**NQR Code: Under Approval**

**SGJ/Q0103 v3.0**  
**Valid upto:26.05.2024**

**DESCRIPTION**

The Learner will install different civil and mechanical components of photovoltaic systems that meet the performance and reliability needs of customers by incorporating quality craftsmanship and complying with all applicable codes, standards, and safety requirements.

**Overview of Qualification**

**NSQF Level: 4**

**Course Duration/Training Hours: 390**

**Trainee Qualification:** 10th pass + ITI (1 year)(Electrical/Electronics/Civil/ Mechanical/ Fitter/Instrumentation/Welder or any related trade) or Govt Recognized Diploma after class 10th(Electrical/ Mechanical/Civil/Agriculture/ Electronics & Communication / Control & Instrumentation or in a related discipline or 12th Pass with Science Or 10th pass with 2 years of Experience Or NSQF level 3 certified in relevant job role with 2 years of relevant experience

**Entry Age (Years):** Minimum age: 16

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24

**Solar Proposal Evaluation Specialist**  
**NQR Code: Under Approval**

**SGJ/Q0105 v3.0**  
**Valid upto:26.05.2024**

**DESCRIPTION**

The Learner will be able to review feasibility report of the site for installation, assess the techno-commercial feasibility and financial viability of setting up a Solar PV Power Plant. S/He will be able to providing techno-commercial advice, preparing lending or funding documents and write or review Solar PV project reports.

**Overview of Qualification**

**NSQF Level: 5**

**Course Duration/Training Hours: 480**

**Trainee Qualification:** Pursuing 2nd year of UG and continuous education Or Pursuing 2nd year of 2-year diploma after 12<sup>th</sup> Pass Or 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS) Or Completed 3 year diploma after 10th with 1 year relevant experience

**Entry Age (Years):** Minimum age: 19

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25

## Solar PV Project Manager(E&C)

NQR Code: [Under Approval](#)

SGJ/Q0114 v3.0  
Valid upto: 26.05.2024

### DESCRIPTION

The Learner with her/his team of site in-charge and commercial manager, receives different components of the solar PV power plant (modules, inverter, transformers etc.) procure as per the design, checks the components for specifications and quality, installs the solar PV power plant as per the design, constructs the substation and grid interface incorporating grid code and regulatory provisions incorporated in the design.

### Overview of Qualification

**NSQF Level: 7**

**Course Duration/Training Hours: 660**

**Trainee Qualification:** Pursuing PhD (in relevant discipline) with no experience

Or Pursuing 2nd year of 2 year PG- Engineering with no experience

Or Completed 3rd year UG degree with 3 year of relevant experience

OR Completed 4th year UG degree with Honours with research with 2 year of relevant experience

Or Previous relevant Qualification of NSQF Level 6 with 3 years of relevant experience

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

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26

## Solar PV Maintenance Technician - Electrical (Ground Mount)

NQR Code: [Under Approval](#)

SGJ/Q0115 v3.0  
Valid upto: 26.05.2024

### DESCRIPTION

The Learner would be able to periodically check and maintain all the electrical components of the solar PV power plant for proper electrical connectivity, incorporating quality craftsmanship and complying with all applicable codes, standards, and safety requirements.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification:** 12th Grade Pass without experience

Or 10th Grade Pass plus 2 year NTC/ 10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling .

Or 8th Pass plus 2 year NTC plus 1 year NAC plus CITS

Or Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma

Or Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of Experience.

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

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## Qualifications (Skill Course)

# Green Hydrogen




27

## Green Hydrogen Plant Technician

NQR Code: : [QG-04-ES-00146-2023-V1-SCGJ](#)

SGJ/Q0120

Valid upto: 31.01.2026

### DESCRIPTION

Green Hydrogen Plant Technician shall perform testing, installation and facility integration of electrolyser, repairs, troubleshooting, upkeep and maintenance of electrical control systems, protection systems, and other auxiliary equipment and associated tools in Green hydrogen generation facilities.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification: 12th Grade**

Or Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma Or 11th grade pass and pursuing continuous schooling

Or 10th Grade Pass with 2 year relevant experience

Or Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass 3 year relevant experience

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

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## Green Hydrogen Plant Entrepreneur

NQR Code: [QG-05-ES-00145-2023-V1-SCGJ](#)

SGJ/Q0121

Valid upto: 31.01.2026

### DESCRIPTION

Green Hydrogen Plant Entrepreneur would identify the potential market and the client needs/requirements to propose the right kind of technically and economically feasible solution to set up green hydrogen plant. He/she is also expected to undertake specific works/sub component installations of a green hydrogen plant.

### Overview of Qualification

**NSQF Level: 5**

**Course Duration/Training Hours: 480**

**Trainee Qualification: Pursuing 2nd year of UG and continuous education**

Or Pursuing 2nd year of 2-year diploma after 12th

Or 12th pass with 1 year Vocational Education & training (NTC or NAC or CITS)

Or Completed 3 year diploma after 10th with 1 year of relevant experience

Or Or 10th Grade pass with 4 years of relevant experience

Or Previous relevant Qualification of NSQF Level 4 with 2 years relevant experience

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

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**29** **Green Hydrogen Plant Junior Technician- Electrolyzer** **SGJ/Q4302**  
**NQR Code: : [QG-03-ES-00765-2023-V1-SCGJ](#)** **Valid upto: 30.08.2026**

**DESCRIPTION**

Green Hydrogen Plant Junior Technician-Electrolyzer would primarily install electrolyzer units along with other Mechanical and Electrical equipment of a green hydrogen plant and perform the associated civil works. He/She would also assist in performing Pre-commissioning checks/tests and install & commission electrolyzer unit along with other sub system in a green hydrogen/green ammonia plant.

**Overview of Qualification**

**NSQF Level: 3**

**Course Duration/Training Hours: 330**

**Trainee Qualification:** 10th grade pass with NA of experience

OR

8th grade pass (with two year of (NTC/ NAC) after 8th) with NA of experience

OR

Previous relevant Qualification of NSQF Level (NSQF Level 2.5 ) with 1-2 Years of experience

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

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**30** **Green Hydrogen Plant Junior Technician- Power Sources** **SGJ/Q4301**  
**NQR Code: [QG-03-ES-00764-2023](#)** **Valid upto: 30.08.2026**

**DESCRIPTION:** The job holder shall perform testing, installation and facility integration of various parts, repairs, troubleshooting, upkeep and maintenance of electrical control systems, protection systems, and other auxiliary equipment and associated tools in integrating power sources with electrolyzer for production of Green Hydrogen. He/She will be responsible for the complete installation, maintenance, electric wiring for integrating power sources with electrolyzer. This role works closely with the power supply project, testing, plant engineering, process operation, control & operation all types power sources integrating with electrolyzer.

**Overview of Qualification**

**NSQF Level: 3**

**Course Duration/Training Hours: 360**

**Trainee Qualification:** 10th Grade Pass

OR

Grade 8th with 2-years of (NTC /NAC) after 8th

OR

Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience

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

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## Green Hydrogen Plant Junior Technician- Storage

SGJ/Q4304

 NQR Code: : [QG-03-ES-00767-2023](#)

Valid upto: 30.08.2026

### DESCRIPTION

Green Hydrogen Plant Junior Technician- Storage would assist in installing Mechanical and Electrical equipment of a green hydrogen/green ammonia storage system along with perform the associated civil works. He/She would also assist in performing Pre-commissioning checks/tests and accordingly commission green hydrogen/green ammonia plant storage system.

### Overview of Qualification

**NSQF Level: 3**
**Course Duration/Training Hours: 360**
**Trainee Qualification: 10 th Grade Pass**

OR

Grade 8th with 2-years of (NTC /NAC) after 8th

OR

Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience

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

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## Green Hydrogen Plant Junior Technician-Desalination

SGJ/Q4303

 NQR Code: [QG-03-ES-00766-2023-V1-SCGJ](#)

Valid upto: 30.08.2026

### DESCRIPTION

Green Hydrogen Plant Junior Technician-Desalination would install Mechanical and Electrical equipment of Desalination Unit in green hydrogen plant along with perform associated civil works. He/She would also perform Pre-commissioning checks/tests and commission, operation and maintenance of desalination unit in a Green Hydrogen/Green Ammonia plant.

### Overview of Qualification

**NSQF Level: 3**
**Course Duration/Training Hours: 360**
**Trainee Qualification: 10 th Grade Pass**

OR

Grade 8th with 2-years of (NTC /NAC) after 8th

OR

Previous relevant Qualification of NSQF Level 2.5 with 6 months of relevant experience

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

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33

**Electrolyzer Manufacturing Plant Technician**NQR Code: [QG-04-ES-02027-2024-V1-SCGJ](#)

SGJ/Q4306

Valid up to: 30.01.2027

**DESCRIPTION**

Electrolyzer Manufacturing Plant technician is responsible for supporting the safe, efficient, and high-quality production of electrolyzer system. Their work is essential to provide technical support to maintain the manufacturing process of electrolyzer and meeting production goals while adhering to safety and environmental standards. He/She plays a vital role in producing and maintaining electrolyzer along with associated subsystems and is accordingly responsible for various electrical components and systems-related tasks within the Electrolyzer manufacturing facility.

**Overview of Qualification****NSQF Level: 4****Course Duration/Training Hours: 420****Trainee Qualification:** 12th grade pass or equivalent

Or Pursuing 3rd year of 3 years diploma (Electrical/ Mechanical/Chemical) (after 10th)

Or Previous relevant Qualification of NSQF Level 3.5 with 1.5 years of experience in renewable energy/power/energy/hydrogen

**Entry Age (Years):** Minimum age: 18Scan QR Code  
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**Electrolyzer Manufacturing Plant Supervisor**NQR Code: [QG-05-ES-02028-2024-V1-SCGJ](#)

SGJ/Q4305

Valid upto: 30.01.2027

**DESCRIPTION**

Electrolyzer manufacturing Plant Supervisor responsibility involves overseeing various aspects of the electrolyzer manufacturing process to ensure efficiency, safety, and quality. Their work is essential to maintaining the manufacturing process and meeting production goals while adhering to safety and environmental standards. He/She plays a vital role in ensuring the efficient and safe production of high-quality electrolyzer for green hydrogen production for various industrial applications. They play a pivotal role in managing the manufacturing process and contributing to the success of the plant.

**Overview of Qualification****NSQF Level: 5****Course Duration/Training Hours: 510**

**Trainee Qualification:** 12th grade pass or equivalent with 3.5 years of experience in renewable energy/ power sector/ energy sector/ hydrogen  
 OR 10th grade pass + 3 year Diploma in relevant field with 3 year of relevant experience in renewable energy/ power sector/ energy sector/ hydrogen  
 OR Previous relevant qualification of level 4.5 with 1.5 years of relevant experience in renewable energy/ power sector/ energy sector/ hydrogen

**Entry Age (Years):** Minimum age: 18Scan QR Code  
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## Fundamentals of Financing for Green Hydrogen Project SGJ/MCr-0004

NQR Code: [NM-06-ES-02253-2024-V1-SCGJ](#)

Valid upto: 14.03.2027

**DESCRIPTION:** This micro credential is designed to conduct techno-economic analyses of Green Hydrogen/Green Ammonia projects and perform project due diligence to facilitate financing, playing a crucial role in securing low-cost capital for these projects. This micro credential meets the requirements of key industry stakeholders such as project developers and financing institutions, helping them navigate the complexities of project finance for such infrastructure projects. Trainees will gain insights into financing risk assessment, which is a key requirement for ensuring financial viability of projects for spurring investment in the sector.

### Overview of Qualification

**NSQF Level:** 6

**Course Duration/Training Hours:** 30

**Trainee Qualification:** Pursuing first year of 1 year or 2-year PG program in commerce/ business administration/ economics/ science or in a related discipline OR Pursuing 4th year B Tech/BE in any engineering discipline OR Completed 3-Year Under Graduate Degree in Commerce/ Business Administration/ Applied Sciences/ Finance/ Economics or in a related discipline with 1.5 years of relevant experience in project finance/banking/ consulting/energy or infrastructure sector

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

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## Overview of Instrumentation and Control for Green Hydrogen Plant

NQR Code: [NM-06-ES-02254-2024-V1-SCGJ](#)

SGJ/ MCr-0005

Valid upto: 14.03.2027

**DESCRIPTION:** This micro credential is designed to undertake trainings on instrumentation & process control operations of Green Hydrogen/Green Ammonia production system, as per applicable norms and standards. Trainees will develop an understanding of interpreting equipment datasheets and drawings like piping and instrumentation and accordingly will be responsible for incorporating critical design and engineering aspects vital for guaranteeing the safe operation of green hydrogen production facilities.

### Overview of Qualification

**NSQF Level:** 6

**Course Duration/Training Hours:** 30

**Trainee Qualification:** Pursuing 4th year BE/BTech /UG (Hon) (Instrumentation/ Chemical or in a related discipline)

OR Completed 3-year Under Graduate Degree (B.Sc. in Chemistry) with 1.5 years of experience in hydrogen or other process gas industry or in instrumentation & control function across relevant industry sector OR Previous relevant Qualification of NSQF Level 5 with 3 years of experience in hydrogen, other process gas industry and instrumentation across relevant industry sector

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

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Qualifications (Skill Course)

# Wind Energy



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**Project Assistant Planner – Wind Power Plant**  
**NQR Code:** [QG-03-PW-00529-2023-V1.1-SCGJ](#)

**SGJ/Q1201 v3.0**  
**Valid upto: 24.11.2024**

**DESCRIPTION**

The Learner would assists in carrying out planning of workflow for turbines & electrical systems, Erection & Commissioning (E&C), help in conducting statistical studies of product quality and time usage and support to analyze production costs while complying with all operational manuals, applicable codes, standards and safety requirements.

**Overview of Qualification**

**NSQF Level: 3**

**Course Duration/Training Hours: 330**

**Trainee Qualification:** 10th grade pass (with no experience required)

Or 8th grade pass with 2 Years of experience Relevant experience

Or Previous relevant Qualification of NSQF Level (2) with 3 Years of experience Relevant experience

OR 10th Class + I.T.I (in Electrical/ Mechanical/ Civil/ and related trades)

OR Completed 3-year diploma (after 10th) (in Electrical/Mechanical/ Civil/Electronics & Communication / Control & Instrumentation or in a related stream)

**Entry Age (Years):** Minimum age: 16

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**Wind Resource Assessor and Site Surveyor-Wind Power Plant**  
**NQR Code:** [QG-05-PW-00530-2023-V1.1-SCGJ](#)

**SGJ/Q1202 v3.0**  
**Valid upto: 24.11.2024**

**DESCRIPTION**

The Learner would carries out wind energy site inspection, site assessment, checking site access, approach roads, grid availability for power evacuation, substation availability & its capacity and other relevant proximity of site.

**Overview of Qualification**

**NSQF Level: 5**

**Course Duration/Training Hours: 480**

**Trainee Qualification:** Pursuing 2nd year of UG and continuous education in a relevant discipline (B.E./B.Tech (Electrical/ Mechanical/ Civil/Electronics and Communication / Control & Instrumentation or in a related discipline)

Or Pursuing 2nd year of 2-year diploma after 12th

Or Completed 3-year diploma after 10th (Government recognized 3 years Diploma after class XII in Relevant field with 1-year relevant experience

Or 10th Grade pass with 4 year relevant experience

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

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**Construction Technician- Wind Power Plant****NQR Code:** [QG-04-PW-00531-2023-V1.1-SCGJ](#)**SGJ/Q1401 v3.0****Valid upto: 24.11.2024****DESCRIPTION**

The Learner would carry out installation, testing, erection & commissioning of all parts & components of wind power plant including WTG, transformer, blades, nacelle, junction boxes and other associated accessories as per design drawing. With an elective of mechanical, electrical and civil, s/he would carryout installation and commissioning of respective components.

**Overview of Qualification****NSQF Level:** 4**Course Duration/Training Hours:** 420**Trainee Qualification:** 12th Grade Pass without experience

Or 10th Grade Pass with 2 years of relevant experience

Or 8th Pass plus 2 year NTC plus 1 year NAC plus CITS/ Or 10th Class + I.T.I

Or Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma ( in relevant stream)

Or Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience.

**Entry Age (Years):** Minimum age: 16**Scan QR Code**

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**CMS Engineer- Wind Power Plant****NQR Code:** [QG-05-PW-00532-2023-V1.1-SCGJ](#)**SGJ/Q1501 v3.0****Valid upto: 24.11.2024****DESCRIPTION**

The Learner would be able to carry out installation and commissioning of Condition Monitoring System(CMS) of Wind Power Plant. S/he would also monitor the operation and maintenance of the CMS with a continuous stream of system data, mostly based on vibration monitoring and other operating conditions.

**Overview of Qualification****NSQF Level:** 5**Course Duration/Training Hours:** 480 hours**Trainee Qualification:** Pursuing 2nd year of UG and continuous educationOr Pursuing 2nd year of 2-year diploma after 12<sup>th</sup>

Or 12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)

Or Completed 3 year diploma after 10th with 1 year relevant experience

Or 10th Grade pass with 4 year relevant experience

Or Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience.

**Entry Age (Years):** Minimum age: 19**Scan QR Code**

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## 41 O&M Mechanical Technician – Wind Power Plant

SGJ/Q1502 v3.0

NQR Code: [QG-04-PW-00533-2023-V1.1-SCGJ](#)

Valid upto: 24.11.2024

### DESCRIPTION

The Learner would carry out operations and maintenance of mechanical components of wind power plant, complying with all operational manuals, applicable codes, standards, and safety requirements.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420 hours**

**Trainee Qualification:** 12th Grade Pass without experience

Or 10th Grade Pass with 2 years of relevant experience

Or 8th Pass plus 2 year NTC plus 1 year NAC plus CITS or ITI after Class 10th (Electrician /Mechanical/ Fitter/Welder/ and related trades)

Or pursuing regular Government recognised 3 years Diploma (Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation)

Or Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience

**Entry Age (Years):** Minimum age: 16

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## 42 O&M Electrical & Instrumentation Technician – Wind Power Plant

NQR Code: [QG-04-PW-00534-2023-V1.1-SCGJ](#)

SGJ/Q1503 v3.0

Valid upto: 24.11.2024

### DESCRIPTION

The Learner would perform operation and maintenance of switchgear, transformer, O/H and U/G Lines, SCADA, communication system (Fiber Optics) and complying with all operational manuals, applicable codes/standards, and safety requirements.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420 hours**

**Trainee Qualification:** 12th Grade Pass without experience

Or 10th Grade Pass with 2 years of relevant experience

Or 8th Pass plus 2 year NTC plus 1 year NAC plus CITS

Or pursuing regular Government recognised 3 years Diploma (Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation)

Or Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience..

**Entry Age (Years):** Minimum age: 16

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## Qualifications (Skill Course)

# Small Hydro



43

## Small Hydro Power Plant Technician (Jal Urja Mitra) SGJ/Q0604 v2.0

NQR Code: [QG-04-PW-00527-2023-V1.1-SCGJ](#)

Valid upto: 24.11.2024

### DESCRIPTION

The Learner would be specialized to operate, test and maintain different electrical, hydro-mechanical, civil components of Small Hydro Power plant to meet the performance and reliability needs by incorporating quality workmanship and complying with all applicable codes, standards and safety requirements.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 450**

**Trainee Qualification:** 12th Grade Pass (with Science) without experience

Or 10th Grade Pass plus 2 year NTC/ 10th Grade Pass plus 1 year NTC plus 1 year NAC

Or 10th Grade Pass with 2 years of relevant experience

Or 8th Pass plus 2 year NTC plus 1 year NAC plus CITS

Or Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma

Or ITI after Class 10th (in Electrical/ Mechanical/ Civil/ Instrumentation and related trades)

or Government recognised 3 years Diploma (Electrical/ Mechanical/ Civil/ Control & Instrumentation or in a

related trade )

Or Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience

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

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# Bio-Energy



44

## Biomass Depot Operator

NQR Code: [2022/ES/SCGJ/06729](#)

SGJ/Q6207 v2.0

Valid upto: 29.06.2025

### DESCRIPTION

The Learner would be appropriately able to handle, store and manage biomass at the storage depot. He/she will suitably undertake activities such as biomass receipt from suppliers, biomass pre-processing/densification and store in a manner so as to ensure its quality and safety from hazards as per standards.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 390

**Trainee Qualification:** 10th Pass with 2 years of experience

Or NSQF Level 3 certified Agri Residue Aggregator with 1 year of suitable experience

**Entry Age (Years):** Minimum age: 16

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45

## Animal Waste Manure Aggregator

NQR Code: [2022/ES/SCGJ/06730](#)

SGJ/Q6302 v 2.0

Valid upto: 29.06.2025

### DESCRIPTION

The Learner would be able to collect and aggregate animal manure from sources such as animal farms, gaushalas, rural households etc., aggregate supplies, as per the market requirement for various end-uses. As an option for Biogas Operator, S/he would monitor, operate and maintain biogas plant. As an option for Compost Plant Operator, S/he would monitor, operate and maintain compost plant.

### Overview of Qualification

**NSQF Level:** 3

**Course Duration/Training Hours:** 390

**Trainee Qualification:** 10th pass

**Entry Age (Years):** Minimum age: 16

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**Agri-residue Aggregator**NQR Code: [2022/ES/SCGJ/06728](#)

SGJ/Q6201 v2.0

Valid upto: 29.06.2025

**DESCRIPTION**

The Learner would be able to appropriately collect agriculture residue from farmers, establish collection points, make assessment of quality and quantity of agriculture residues and accordingly decides price. S/He would be able to appropriately sort, densify and suitably store the low density bales. S/he would also perform sale of the bales based on end requirements.

**Overview of Qualification**

NSQF Level: 3

Course Duration/Training Hours: 330

Trainee Qualification: 10th Pass

or Ability to read and write with 3 years of relevant experience

Entry Age (Years): Minimum age: 16

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**Feedstock Manager - Procurement and Composition**NQR Code: [2022/WSSWM/SCGJ/05144](#)

SGJ/Q0501 v1.0

Valid upto: 26.01.2025

**DESCRIPTION**

The Learner would analyze and manage the feedstock supply, standard and storage. S/he monitor resource mobilization and waste management, perform cost optimization and ensure compliance with Applicable Statutory Laws, Policies and Procedures.

**Overview of Qualification**

NSQF Level: 6

Course Duration/Training Hours: 600 hours

Trainee Qualification: Graduate with 3 Years of experience in the relevant field

Or Diploma (Government recognised 3 years Diploma) with 4 Years of experience in the relevant field

Or Supervisor – Operations and Maintenance Compressed Biogas/Waste to Energy - Level 5 with 3 years of relevant work experience

Entry Age (Years): Minimum age: 24

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## Technician – Operations and Maintenance (Compressed Biogas /Waste to Energy) (Under Ncrf Alignment)

SGJ/Q0606 v1.0

NQR Code: [2022/WSSWM/SCGJ/05146](#)

Valid upto: 26.01.2025

### DESCRIPTION

The Learner would support effective and efficient operation and maintenance of a CBG plant by troubleshooting, repairing and ensuring maximum up-time of the plant. S/he would also assist in Monitoring and Handling Major Breakdown in the CBG Plant.

### Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420 hours

**Trainee Qualification:** 12th Class (Science) with 1 Year of relevant work experience

Or 10th Class + I.T.I (Electrician /Mechanical/ Fitter/Welder/ and related trades) with 1 Year of relevant work experience

Or Diploma (Government recognised 3 years Diploma (Electrical/Mechanical/Civil/Agriculture/ Electronics & Communication /Control & Instrumentation or in a related discipline )

OR NSQF level 3 certified in relevant job role with 2 years of relevant experience

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

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## Supervisor – Operations & Maintenance (Compressed Biogas/Waste to Energy)

SGJ/Q0605 v1.0

NQR Code: [2022/WSSWM/SCGJ/05147](#)

Valid upto: 26.01.2025

### DESCRIPTION

The Learner would supervises the team of Operations and Maintenance (O&M) technicians and maintains the operations of plant systems and equipment of a Compressed Biogas (CBG) plant to ensure smooth and profitable functioning of the business and streamlining the workflow.

### Overview of Qualification

NSQF Level: 5

**Course Duration/Training Hours:** 500 hours including 400 Hours + 100 hours of Mandatory on the Job training

**Trainee Qualification:** Diploma (Government recognised 3 years Diploma (Electrical/Mechanical/Civil/Agriculture/Electronics & Communication/Control & Instrumentation) with 2 Years of experience in relevant field

Or Certificate-NSQF (Level- 4 Technician - O&M CBG/WTE) with 3 Years of experience.

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

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## Plant Head- Operations (Compressed Biogas/Waste To Energy)

NQR Code: [2022/WSSWM/SCGJ/05145](https://www.scgj.gov.in/2022/WSSWM/SCGJ/05145)

SGJ/Q0607 v1.0

Valid upto: 26.01.2025

**DESCRIPTION:** The Learner would develop and implement organizational Strategies and Policies to monitor Operation and Maintenance of the Production Unit. S/he would ensure Resource Optimization, Waste Management and Appropriate Documentation. S/he would also manage Human Resources in the CBG Plant and other administrative activities with applicable statutory compliances.

### Overview of Qualification

**NSQF Level:** 7

**Course Duration/Training Hours:** 600 hours including 400 hours of compulsory modules and 200 hours of mandatory OJT

**Trainee Qualification:** B.Tech/BE(Agriculture/Envir/Mech/Civil/Elect) or Equivalent) with 8 Years of experience in the relevant field

Or NSQF level 6 certified in relevant job role (e.g. Manager- Waste Management) with 2 years of relevant experience

Or Supervisor – Operations and Maintenance Compressed Biogas/Waste to Energy - Level 5 with 5 years of relevant work experience.

**Entry Age (Years):** Minimum age: 28

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## Bio-Energy Micro Entrepreneur

NQR Code: [2022/WSSWM/SCGJ/05145](https://www.scgj.gov.in/2022/WSSWM/SCGJ/05145)

SGJ/Q4102 v1.0

Valid upto: 31.08.2026

**DESCRIPTION:** Bio-Energy Micro Entrepreneur is responsible for setting up a production unit for manufacturing biomass pellets from agriculture waste or setting up small biogas unit at site. He/She would be responsible for developing a business plan, hiring the human resources, acquiring financial and material resources, providing leadership, and their vision drives the company's strategy.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 540 hours including 90 hours of elective modules and 450 hours of Compulsory modules

**Trainee Qualification:** 10th grade pass and pursuing continuous schooling

Or 12th grade Pass ((all streams) ) with NA of experience

Or Completed 2nd year of the 3-year diploma after 10 with NA of experience.

8th Class (plus 2-year NTC plus 1-Year NAC plus 1- Year CITS) with NA of experience

Or Previous relevant Qualification of NSQF Level (Level 3 ) with 3 Years of experience relevant experience .

**Entry Age (Years):** Minimum age: 28

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**52** **Biomass Pellet Manufacturing Junior Technician** **SGJ/Q4201 v1.0**  
**NQR Code:** [QG-03-ES-00911-2023-V1-SCGJ](#) **Valid upto: 31.08.2026**

**DESCRIPTION**  
 Biomass Pellet Manufacturing Junior Technician is responsible for production, storage, and management of biomass pellets at the plant. He/she looks after activities such as biomass receiving, pre-processing/densification and storage in a manner to maintain its quality and safety as per standards.

**Overview of Qualification**  
**NSQF Level:** 3  
**Course Duration/Training Hours:** 300 hours including 240 hours of compulsory modules and 60 hours of mandatory OJT  
**Trainee Qualification:** 10th grade pass  
 Or 8th grade pass (with two year of (NTC/ NAC) after 8th) with NA of experience  
 Or Previous relevant Qualification of NSQF Level (NSQF Level 2.5 ) with 1-2 Years of experience 1.5-year relevant experience.  
**Entry Age (Years):** Minimum age: 16

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**53** **Manager- Waste Management** **SGJ/Q6501 v2.0**  
**NQR Code:** [2022/WSSWM/SCGJ/05149](#) **Valid upto: 26.01.2025**

**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.

**Overview of Qualification**  
**NSQF Level:** 6  
**Course Duration/Training Hours:** 520 hours including 220 hours of compulsory modules +100 hours of mandatory "on the job training" + 100 hours of optional "on the job training", with one compulsory Elective of 100 hours  
**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

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Qualifications (Skill Course)

# Clean Cooking



54

## Improved Cookstove Installer

NQR Code: [2022/ES/SCGJ/06019](#)

SGJ/Q2101 v2.0  
Valid upto: 29.06.2025

### DESCRIPTION

The Learner would be able to select materials, prepare appropriate mixture, construct the Cookstove as per standard mould(s), embedding non- masonry items, fire for curing, installation at the appropriate site and demonstrate functioning of the Cookstove.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 390**

**Trainee Qualification:** 10th pass with 2 years of experience or Certified Portable Improved Cookstove Assembler at NSQF level 3 with 1 year of relevant work experience

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**Entry Age (Years):** Minimum age: 16

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## Portable Improved Cookstove Assembler

NQR Code: [2022/ES/SCGJ/06018](#)

SGJ/Q2102 v2.0  
Valid upto: 29.06.2025

### DESCRIPTION

The Learner would be able to assemble and fit various parts of the cookstove to manufacture the final product which meets performance and reliability standards. He /She will be able to incorporate quality craftsmanship and comply with all applicable standards.

### Overview of Qualification

**NSQF Level: 3**

**Course Duration/Training Hours: 330**

**Trainee Qualification:** Ability to read and write with 5 years of experience  
Or 5th grade pass with 4 years of experience  
Or 8th grade pass with 1 year of experience  
Or Grade 9th pass

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**Entry Age (Years):** Minimum age: 16





## Clean Cookstove Sales and Maintenance Executive

SGJ/Q2104 v2.0

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NQR Code: [2022/ES/SCGJ/06020](https://www.scgj.gov.np/2022/ES/SCGJ/06020)

Valid upto: 29.06.2025

### DESCRIPTION

The Learner would be able to identify equipment used for waste collection, identify source of waste generation in local area including the streets, bins, landfills, material recovery facilities, processing and waste disposal facilities. S/he recognize different color codes used in waste management. As per type of refuse, s/he would suitably modify the collected waste, possibly for a better value.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 390**

**Trainee Qualification:** 1th Grade pass

Or 10 grade pass and pursuing continuous schooling

Or 10th Grade pass with 2 years of relevant experience

Or Certified Portable Improved Cookstove Assembler at NSQF level 3 with minimum education as 5th grade pass with 2 year of relevant work experience

**Entry Age (Years):** Minimum age: 16

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## Clean Cookstove Distributor

SGJ/Q2105 v2.0

57

NQR Code: [2022/ES/SCGJ/06021](https://www.scgj.gov.np/2022/ES/SCGJ/06021)

Valid upto: 29.06.2025

### DESCRIPTION

The Learner would be able to increase market share of portable improved cookstoves through vendor selection, warehouse development, logistics and aftersales service support. S/He would develop a portfolio of products, undertake targeted promotion, and ensure availability of the products to potential customers. S/he would ensure statutory compliances and safety in operations.

### Overview of Qualification

**NSQF Level: 5**

**Course Duration/Training Hours: 480**

**Trainee Qualification:** 12th Pass with 1 year vocational education & training(NTC or NAC or CITS)

Or Certified Clean Cookstove Sales and Maintenance Executive/ Improved Cookstove Installer at NSQF level 4 with minimum education as 8th grade pass with 3 years of relevant work experience

Or 12th grade pass with 2 years of relevant experience

Or 10th grade pass with 4 years of relevant experience

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

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## Qualifications (Skill Course)

# Sustainability



58

## GHG Accounting and Sustainability Reporting

NQR Code: [NM-06-ES-02105-2024-V1-SCGJ](#)

SGJ/MCr-0001 v1.0

Valid upto: 30.01.2027

**DESCRIPTION:** The Micro-credential course for Greenhouse Gas (GHG) Accounting and Sustainability Reporting designed to provide participants with a comprehensive understanding of climate change issues, greenhouse gas (GHG) accounting methodologies, and reporting guidelines, particularly focusing on Business Responsibility and Sustainability Reporting (BRSR). After completing this course, the successful participants can become valuable assets in sustainability domain, equipping them with the expertise and skills needed to perform various functions for GHG accounting and sustainability reporting including enabling companies meet their BRSR mandate.

### Overview of Qualification

**NSQF Level:** 6

**Course Duration/Training Hours:** 30 hours

**Trainee Qualification:** Pursuing first year of 2 years PG program after completing 3 year UG degree in

(Maths/Chemistry/Physics/Management/Commerce/Economics)

OR Pursuing 4th year UG degree in Engineering /Maths /Chemistry /Physics

/Economics /Commerce(honours) and continuing education OR

Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of

Relevant experience

**Entry Age (Years):** Minimum age: 16

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59

## Green Logistics Practices

NQR Code: [NG-04-ES-02095-2024-V1-SCGJ](#)

SGJ/N4601 v2.0

Valid upto: 30.01.2027

**DESCRIPTION:** This standalone NOS is designed to incorporate environmentally sustainable practices and principles into logistics education and training. This aims to train existing and future professionals in the field of logistics while emphasizing the importance of reducing environmental impacts, optimizing resources, and promoting sustainable operations within the supply chain. Adopting green skills in logistics sector not only benefits the environment but can also lead to reduced operating costs, improved public perception, and compliance with evolving environmental regulations. It is essential for logistics operators to stay updated on the latest sustainable practices and technologies to remain competitive and environmentally responsible in the logistics and supply chain industry. In that context, the proposed NOS is to introduce generic green skills under logistics sector courses by dove-tailing green skill modules to the current and future logistics course curricula.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 30

**Trainee Qualification:** 12th or Equivalent

OR 10th with 2 years of relevant experience

OR 8th grade pass with 2 years NTC plus 1 year NAC plus

1 year CITS with 2 years of relevant experience

**Entry Age (Years):** Minimum age: 16

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<b>60</b>	<b>Optimize resource utilization at workplace</b> NOS Link: <a href="#">Standalone Nos</a>	<b>SGJ/N1702 v1.0</b> <b>Valid upto: 25.11.2024</b>
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**DESCRIPTION**

This unit is about adopting sustainable practices and optimizing use of resources, especially material, energy and waste, in day-to-day operations at work

**Overview of Qualification**

**NSQF Level: 3**

**Course Duration/Training Hours: 30Hrs**

**Trainee Qualification: As per Relevant QP**

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

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<b>61</b>	<b>Adopt sustainable practices at the workplace</b> NOS Link: <a href="#">Standalone Nos</a>	<b>SGJ/N1703 v1.0</b> <b>Valid upto: 25.11.2024</b>
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**DESCRIPTION**

This unit describes the skills and knowledge required to improve material and energy efficiency in business operations. It describes effective waste management techniques at workplace and suggests ways to make the workplace environmentally sustainable.

**Overview of Qualification**

**NSQF Level: 5**

**Course Duration/Training Hours: 30 Hrs**

**Trainee Qualification: As per Relevant QP**

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

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# Waste Management



62

## Plastic Recycling Operator

NQR Code: [QG-03-ES-00914-2023-V1-SCGJ](#)

SGJ/Q4005 v1.0

Valid upto: 31.08.2026

### DESCRIPTION

Plastic Recycling Operator is responsible for overall manufacturing of recycled products from plastic waste. He/ she is responsible for ensuring that workers in the unit are working effectively and machines/equipment are working efficiently. He/she is also responsible for making sure that right input in terms of raw material, energy, fuel, pressure, temperature, etc is fed in the machines. He/ she also keeps a check on the health of the machines. He/ she also monitors the quality of the process of recycling and recycled products. Once the products are ready, he/she ensure suitable packing of the products and for maintaining necessary documentation for facility and for dispatch of end product

### Overview of Qualification

**NSQF Level: 3**

**Course Duration/Training Hours: 360**

**Trainee Qualification:** 5th Pass+5 years of relevant work experience

Or 8th Pass+2 year of relevant work experience`

Or Grade 10 pass

Or Previous relevant Qualification of NSQF Level 3 with 3 year of Relevant experience

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

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63

## Safai Mitra

NQR Code: [QG-03-ES-02634-2024-V2-SCGJ](#)

SGJ/Q6102 v4.0

Valid upto: 29.05.2027

### DESCRIPTION

Safai Mitra sweeps, cleans and removes garbage from public areas and buildings. In public areas and roads, Safai Mitra sweeps with a broom and / or other suitable equipment to remove dust, debris and garbage. In buildings, he/she sweeps the floor, scrubs the floor using appropriate cleaning solution to remove the fine dust. He/She removes the garbage and aggregates the garbage in the designated areas.

### Overview of Qualification

**NSQF Level: 3**

**Course Duration/Training Hours: 360**

**Trainee Qualification:** Ability to read and write with 5 Years of experience relevant experience

OR

Previous relevant Qualification of NSQF Level ( 2.5)

**Entry Age (Years):** Minimum age: 16

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**64** **Biomedical Waste Management Nursing and Paramedical Staff** **SGJ/MCr-0002 v1.0**  
**NQR Code:** [NM-4.5-ES-02106-2024-V1-SCGJ](#) **Valid upto: 30.01.2027**

**DESCRIPTION:** This qualification is designed to play a crucial role in biomedical waste management by ensuring the safe handling, segregation, transportation, and disposal of waste in compliance with regulations. Their commitment to these practices is essential for maintaining a safe and healthy healthcare environment. The purpose of this qualification in biomedical waste management for nurses is essential for safeguarding patient and staff health, complying with regulations, protecting the environment, and ensuring the efficient and responsible management of biomedical waste in healthcare settings. It enhances overall healthcare quality and safety.

**Overview of Qualification**

**NSQF Level:** 4.5  
**Course Duration/Training Hours:** 30  
**Trainee Qualification:** Completed 1st year of 3-year/4-year UG(Nursing/Paramedical/BSc (Science))  
 Or Completed 1st year of 2-year diploma (Medical Laboratory Technology/Nursing) (after 12th) Or 12th Grade Pass with 1 year of relevant experience  
 Or Previous relevant Qualification of NSQF Level 4 with 1.5 years of Relevant experience  
**Entry Age (Years):** Minimum age: 18

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**65** **Waste Optimisation Professional** **SGJ/Q5002 v1.0**  
**NQR Code:** [QG-06-ES-01755-2023-V1-SCGJ](#) **Valid upto: 30.01.2027**

**DESCRIPTION**  
 India is facing major environmental challenges associated with waste generation and inadequate waste collection, transport, treatment and disposal. Current systems in India cannot cope with the volumes of waste generated by an increasing urban population, and impact on the environment and public health. The course will facilitate management of various categories of waste (e.g., solid waste, plastic, biomedical waste, e-waste, C&D waste etc.) including source segregation, collection, disposal, processing and recycling.

**Overview of Qualification**

**NSQF Level:** 6  
**Course Duration/Training Hours:** 570 hours  
**Trainee Qualification:** 4-year UG in relevant field with 1 year of relevant experience  
 OR 3-year UG in relevant field with 2 year of relevant experience  
 OR 12+ 2 year of diploma in relevant field with 3 year of relevant experience  
 OR Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of relevant experience  
**Entry Age (Years):** Minimum age: 21

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## 66 Material Recovery Facility (MRF) Micro – Entrepreneur

NQR Code: [QG-04-ES-00913-2023-V1-SCGJ](#)

SGJ/Q v1.0

Valid upto: 30.08.2026

### DESCRIPTION

Material Recovery Facility (MRF) Micro - Entrepreneur sets up a MRF unit for segregating collected waste in the form of paper, cardboard, plastic, metal, glass, etc. He/she collaborates with waste collectors, aggregators, recyclers, etc for buying and selling waste material. During the same, ensures compliance related to setting up the business, statutory compliance for running the business and other type of environmental compliance that are required in the sector. He/she is responsible for financial management, people management, networking, market analysis and overall maintenance and sustenance of the business.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification:** 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS OR 12th grade pass.

OR 10th grade pass and pursuing continuous schooling.

OR 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.

OR Pursuing 2nd year of 3-year regular Diploma (after 10th)

**Entry Age (Years):** Minimum age: 16

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## 67 Plastic Recycling Micro Entrepreneur

NQR Code: [QG-04-ES-00915-2023-V1-SCGJ](#)

SGJ/Q4104 v1.0

Valid upto: 31.08.2026

**DESCRIPTION:** A Plastic Recycling Micro Entrepreneur sets up a unit for recycling of plastic waste and converting into different recycled products. He/she deals with suppliers of raw material, technology, and other input material required for the recycling process. He has a sound understanding of the recycling process, technologies/ machines used and the end recycled product. During the same, ensures compliance related to setting up the business, statutory compliance for running the business and other type of environmental compliance that are required in the sector. He/she is responsible for financial management, people management, networking, market analysis and overall maintenance and sustenance of the business. He also manages the sales and customers of the recycled products.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 450**

**Trainee Qualification:** 8th grade pass (plus 2-year NTC plus 1-Year NAC plus 1-Year CITS) with NA of experience

Or 10th grade pass and pursuing continuous schooling with NA of experience

Or Previous relevant Qualification of NSQF Level ( LEVEL 3.0) with 3 Years of experience Relevant experience.

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

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66

## Material Recovery Facility (MRF) Micro – Entrepreneur

NQR Code: [QG-04-ES-00913-2023-V1-SCGJ](#)

SGJ/Q v1.0

Valid upto: 30.08.2026

### DESCRIPTION

Material Recovery Facility (MRF) Micro - Entrepreneur sets up a MRF unit for segregating collected waste in the form of paper, cardboard, plastic, metal, glass, etc. He/she collaborates with waste collectors, aggregators, recyclers, etc for buying and selling waste material. During the same, ensures compliance related to setting up the business, statutory compliance for running the business and other type of environmental compliance that are required in the sector. He/she is responsible for financial management, people management, networking, market analysis and overall maintenance and sustenance of the business.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 420

**Trainee Qualification:** 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS OR 12th grade pass.

OR 10th grade pass and pursuing continuous schooling.

OR 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.

OR Pursuing 2nd year of 3-year regular Diploma (after 10th)

**Entry Age (Years):** Minimum age: 16

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67

## Plastic Recycling Micro Entrepreneur

NQR Code: [QG-04-ES-00915-2023-V1-SCGJ](#)

SGJ/Q4104 v1.0

Valid upto: 31.08.2026

**DESCRIPTION:** A Plastic Recycling Micro Entrepreneur sets up a unit for recycling of plastic waste and converting into different recycled products. He/she deals with suppliers of raw material, technology, and other input material required for the recycling process. He has a sound understanding of the recycling process, technologies/ machines used and the end recycled product. During the same, ensures compliance related to setting up the business, statutory compliance for running the business and other type of environmental compliance that are required in the sector. He/she is responsible for financial management, people management, networking, market analysis and overall maintenance and sustenance of the business. He also manages the sales and customers of the recycled products.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 450

**Trainee Qualification:** 8th grade pass (plus 2-year NTC plus 1-Year NAC plus 1-Year CITS) with NA of experience

Or 10th grade pass and pursuing continuous schooling with NA of experience

Or Previous relevant Qualification of NSQF Level ( LEVEL 3.0) with 3 Years of experience Relevant experience.

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

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# Water Management



68

## Junior Technician - Rooftop Rainwater Harvesting

SGJ/Q4003 v1.0

NQR Code: [2022/POW/SCGJ/06463](https://www.ssg.govt.nz/2022/POW/SCGJ/06463)

Valid upto: 17.11.2025

### DESCRIPTION

The individual at work is responsible for performing site survey, and installation of rainwater harvesting systems across different consumer categories/buildings types. The individual will also be responsible for routine maintenance of rainwater harvesting systems.

### Overview of Qualification

**NSQF Level: 3**

**Course Duration/Training Hours: 330 hours**

**Trainee Qualification: 8th Class Pass + NTC (2 years)**

OR Class 10th Pass OR Previous relevant Qualification of NSQF Level 2, with 2 years of relevant experience

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**Entry Age (Years):** Minimum age: 16

69

## Rooftop Rain Water Harvesting Entrepreneur

SGJ/Q4101

NQR Code: [2022/ES/SCGJ/06464](https://www.ssg.govt.nz/2022/ES/SCGJ/06464)

Valid upto: 17.11.2025

### DESCRIPTION

Rooftop Rainwater Harvesting Entrepreneur shall analyse key parameters for rain water harvesting system, estimate cost parameters and oversee its installation and maintenance.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification: 10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience**

Or 10th Class Pass + NTC (2 years after Class 10th)

Or 10th Class Pass plus 3 Years Diploma

Or 12th Class Pass, plus 6 months of relevant experience

Or Certified on Rainwater Harvesting Technician NSQF Level 3, with 2 years of relevant experience

**Entry Age (Years):** Minimum age: 16

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70

**Sewer Entry Professional**NQR Code: [QG-03-ES-00669-2023-V1-SCGJ](#)

SGJ/Q4007v1.0

Valid upto: 11.08.2026

**DESCRIPTION**

Sewer Entry Professional, is an individual, who is responsible for emptying, Cleaning and transport and disposal of sludge from the sewer line to specified site/Co-treatment plant. He /She has to do manual sewage cleaning in the areas having space limitations. He/She can use pumps, blowers, scrapper, Manila Rope and Cloth Ball, Sectional Sewer Rods and other tools/equipment to empty the sewage manholes.

**Overview of Qualification****NSQF Level: 3****Course Duration/Training Hours: 330**

**Trainee Qualification:** 5th grade pass with 5 Years of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field

OR Previous relevant Qualification of NSQF Level ( 2.5) with 6 Months of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field.

**Entry Age (Years):** Minimum age: 18**Scan QR Code**

to access related content



71

**Desludging Operator**NQR Code: [2022/ES/SCGJ/06731](#)

SGJ/Q6403 v2.0

Valid upto: 28.09.2025

**DESCRIPTION**

The Learner would be able to empty, transport and dispose faecal sludge from the septic tank to desludging site / Faecal Sludge Treatment Plant. He /She would demonstrate preventive maintenance and operate pumps, suction hoses and other machinery/equipment to empty the septic tank and appropriately dispose the sludge.

**Overview of Qualification****NSQF Level: 3****Course Duration/Training Hours: 360**

**Trainee Qualification:** Ability to read and write with 5 years of relevant experience

Or 5th Pass+3 years of experience in masonry/plumbing work

Or 8th Pass+1 year of experience in masonry/plumbing work

Or 9th Pass

**Entry Age (Years):** Minimum age: 18**Scan QR Code**

to access related content





<b>72</b>	<b>Junior Technician- Mechanized Sewer Cleaning</b> NQR Code: <a href="#">QG-03-ES-00668-2023-V1-SCGJ</a>	<b>SGJ/Q4006 v1.0</b> <b>Valid upto: 30.08.2026</b>
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**DESCRIPTION**

Junior Technician- Mechanized Sewer Cleaning , is an individual, who is responsible for emptying, cleaning, transport and disposal of sludge from the sewer line to a specified site/Co-treatment plant. He /She has to operate and maintain Mechanized sewage cleaning machine, Sludge Vacuum tank with trucks, pumps, suction hoses, and other machinery/equipment to empty the manholes.

**Overview of Qualification**

**NSQF Level: 3**

**Course Duration/Training Hours: 330**

**Trainee Qualification:** 5th Grade pass with 5 years of relevant experience

- Or
- Grade 8 pass with two years of (NTC/ NAC) after 8th
- Or 8th Grade Pass with 2 years relevant experience
- Or Previous relevant Qualification of NSQF Level 2.5 with 1.5 years of relevant experience

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

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<b>73</b>	<b>Wastewater Treatment Plant Helper</b> NQR Code: <a href="#">Under Approval</a>	<b>SGJ/Q6602 v2.0</b> <b>Valid upto: 27.05.2024</b>
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**DESCRIPTION**

Learner would be able to help in operation of Wastewater Treatment Plant and other related equipment. S/He would be able to measure and record all meter and gauge readings, perform maintenance on filters and valves, Cleaning of Tanks, cleaning of work area and equipment.

**Overview of Qualification**

**NSQF Level: 3**

**Course Duration/Training Hours: 160**

**Trainee Qualification:** Ability to read and write

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

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Under Approval





74

## Wastewater treatment Plant Technician

NQR Code: [Under Approval](#)

SGJ/Q6601 v2.0

Valid upto: N/A

### DESCRIPTION

The Learner would be able to operate Wastewater Treatment Plant and other related equipment. S/He would be able to perform the operation and cleaning of different screens, valves in a Wastewater Treatment Plant and charge the slurry tank. S/He would be able to do add desired quantity of chemicals and microbes to treat water. S/He would also facilitate the calibration of process control equipment as needed.

### Overview of Qualification

**NSQF Level:** 4

**Course Duration/Training Hours:** 200

**Trainee Qualification:** 12th Pass, 10th Pass + ITI/Diploma, 8th pass + 4 years of experience as Wastewater Treatment Plant Helper

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

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Under Approval



# Ecotourism



75

## Nature Conservator Cum Ecotourism Guide

NQR Code: [QG-04-ES-01756-2023-V1-SCGJ](#)

SGJ/Q1803 v1.0

Valid upto: 30.01.2027

**DESCRIPTION:** This short-term training programme has theoretical and practical skills. Green Skill Development contributes to preserving and restoring environmental quality for a sustainable future and includes jobs that protect ecosystems and biodiversity, reduce energy and minimize waste and pollution. The programme endeavors to develop green skilled workers having technical knowledge and commitment to sustainable development, which will help in the attainment of the Nationally Determined Contributions (NDCs), Sustainable Development Goals (SDGs), National Biodiversity Targets (NBTs), as well as Waste Management Rules (2016).

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification:** 12 or equivalent

OR 10 with 2 years of relevant experience

OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years of relevant experience

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

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Qualifications (Skill Course)

# Forestry



76

## Apiculturist (Wild bee) – NTFP (Non-Timber Forest Produce)

NQR Code: [QG-02-ES-01753-2023-V1-SCGJ](#)

SGJ/Q3301 v1.0

Valid upto: 30.01.2027

**DESCRIPTION:** NTFP includes all the Non- Timber Forest Products that are harvested from trees, shrubs and other plants in the forests. The course on (I) Value Addition & Marketing of Non-Timber Forest Products (NTFPs)- (Animal Origin): Wild Beekeeping & processing. A Beekeeper is responsible for carrying out beekeeping operations which include preparing for and setting up beehives; procuring and introducing bees in hives, and maintaining the bees and beehives. The individual is also responsible for harvesting, processing and marketing honey and related produce.

### Overview of Qualification

**NSQF Level: 2**

**Course Duration/Training Hours: 240**

**Trainee Qualification:** No formal education

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to access related content



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

77

## Micro-Entrepreneur – NTFP (Non-Timber Forest Produce) – Plant Origin

NQR Code: [QG-04-ES-01752-2023-V1-SCGJ](#)

SGJ/Q3101 v1.0

Valid upto: 30.01.2027

### DESCRIPTION

NTFP includes all the Non- Timber Forest products that are harvested from trees, shrubs and other plants in the forests. The course on (I) Coconut Shells & Fibre Handicrafts covers utilization of the freely and locally available materials such as coconut leaves, coconut fibre for handicraft production and their marketing. The course on (II) Bamboo Crafts broadly covers aspects such as species and products range of bamboo, operation of processing machine, conversion of bamboo, product making & product design, Bamboo boards preparation/Mud reinforced wall preparation/Roof design/Furniture making.

### Overview of Qualification

**NSQF Level: 4**

**Course Duration/Training Hours: 420**

**Trainee Qualification:** 12 or equivalent

OR 10th with 2 years of relevant experience

OR 10th with two years of NTC

OR Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience.

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

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# 8th Annual General Meeting



# Minutes of 8<sup>th</sup> Annual General Meeting

The Eighth Annual General Meeting of the Skill Council for Green Jobs was held at 12.30 pm on 29th August, 2023 under the Chairmanship of Mr. Sameer Gupta, CMD, Jakson Group, and Chairman, SCGJ through video conferencing.

Following were present in the Meeting:

1. Mr. Sameer Gupta, CMD, Jakson Group in Chair
2. Mr Sunil Jain, Partner, Essar capital (Former CEO & ED, Hero Future Energies)
3. Mr O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association
4. Mr Mohan Reddy, Head - SSC Governance, NSDC
5. Mr K Krishan, Chairman, CVC Biorefineries Pvt Ltd and Ex - Chairman, SCGJ
6. Dr P Kanagavel, Director and Division Head, National Institute of Wind Energy
7. Prof Arun Kumar, HRED, IIT Roorkee
8. Dr Arun Kumar Tripathi, Ex-Advisor MNRE & Former DG, NISE
9. Mr. Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India
10. Mr Jayvadan Mistry, Chief - Tata Power Skill Development Institute
11. Mr Abhimanyu Sahu, Director Marketing, Schneider Electric India Foundation
12. Mr Abhinav Mahajan, Director, Integrated Batteries Pvt. Ltd.
13. Mr Vijay Rathi, Managing Director, Energy Devices
14. Mr. Imteyaz Ali, Proprietor, Sarthak E - Waste Pvt. Ltd.
15. Ms Bharti Chaturvedi, Chief Executive Officer, Chintan India
16. Mr JS Bhatia, COO, BVG India Limited
17. Mr Shaz Mohsin, Business Head, ASW Projects Pvt Ltd
18. Mr Pramod Pawar, BVG India Ltd
19. Mrs Devichitra S, ELCIA
20. Mr Prabhatraj Tiwari, Director, MPSOSEB
21. Mr Somnath Saha, Planet Earth
22. Mr Raj Desai, Perfect Polymer
23. Mr Ankit Rathore, Sunshare Energy
24. Ms Geeta Gupta, PV Power Technology
25. Ms Deepika, MySun
26. Mr Amit Masih
27. Ms Janvi, Green Brilliance
28. Mr Dinesh Patil, Waaree
29. Mr Dharmesh, Goldi Solar
30. Mr Dhanajay Nandekar
31. Mr Vijay
32. Mr Mukesh Soni
33. Auditor, M/s VRSM & Co.
34. Mr Arpit Sharma, COO, Skill Council for Green Jobs
35. Dr P. Saxena, CEO, Skill Council for Green Jobs - Member Secretary

Also present:

36. Dr (Mrs.) P. Dhamija, Advisor – Biomass and Sustainable Livelihoods, SCGJ
37. Ms Sangeeta Patra, Vice President – Marketing and Partnerships, SCGJ
38. Mr Deepak Rai, Vice President – Standards and Research, SCGJ
39. Mr Ajit Kumar Samanta, GM Finance
40. Mr Sarvesh Pratap Mall, SCGJ
41. Mr Girish Balasubramanyam, SCGJ
42. Mr Vibhash Trivedi, SCGJ
43. Mr Kamal Saxena, SCGJ
44. Mr Prem Prakash Bharti, SCGJ



# Minutes of 8<sup>th</sup> Annual General Meeting

- 45. Mrs Sonia Parashar, SCGJ
- 46. Mr Phool Badan Singh, SCGJ
- 47. Mr Ankur Sood, SCGJ
- 48. Mr Manohar Ray, SCGJ
- 49. Mr Rohit Kumar, SCGJ
- 50. Mr Vinod Raghav, SCGJ
- 51. Mr Shekhar Singh, SCGJ

The Meeting commenced its proceedings with the approval of the Chairman. Welcome and opening remarks by the Chairman Mr. Sameer Gupta, Chairman, SCGJ, welcomed members present in the 8th Annual General Meeting of SCGJ.

1. In the opening remarks Hon'ble Chairman mentioned that India is growing at a very fast rate and we are amongst the top five growing economies of the world. This high growth rate in fact is offering significant opportunities to this country. And I would say, thanks to the conducive policies of the government we are growing faster than any other major economy in this ongoing year. The forecasted GDP is about 6.5 % which again as we are all aware is very strong. I think. Last year Hon'ble Prime Minister during UN climate change conference in Glasgow spoke about mission life which is lifestyle for environment and I would say significant efforts are being taken to save energy or save water, saying no to single use plastics, adopting sustainable food systems, reducing waste, adopting healthy lifestyles and of course reducing e-waste as well. All these initiatives which fall in this initiative larger initiative of life are very well supported by India's accelerated focus on green energy which will help us achieve objectives of our carbon neutrality agenda.

2. Government recently announced to add 50 gigawatts (GW) of renewable energy capacity every year which is a very ambitious target and to achieve this it's not only about announcement great good part about this government is that they have also come out with a detailed bidding plan to support this thought as to how these 50 gigawatts of our renewable energy plants would come in over next few years consistently. Execution of course is going to be the key.

3. National Green Hydrogen Mission aims at producing 5 million tons of green hydrogen annually by 2030 Recently union cabinet approved an outlay of approximately 19,745 crore and the objective is to make India a global hub for production, usage and export of green hydrogen as well as derivatives. Even schools and institutions have already begun to bring in confluence of vocational skills and education. Needless to say, that future generation will be very well equipped with futuristic skills when they move out of the education system. I think the clear focus is on reskilling, skilling and upskilling and this is the mantra of the future workforce for this country, for this government and for the various stakeholders, including institutions like skill council and the industry.

4. To bring speed and scale role of industry is extremely critical and many initiatives are being taken to actively engage industry as well as academia which will be mutually beneficial and enriching to all stakeholders. Sunrise sectors like renewables, e-mobility, biofuels and green hydrogen are attracting huge investments again, as we are aware of this fact we keep reading about some investment or the other in these sectors on almost daily basis. All these sectors would need skilled manpower and we have been talking in our various meetings about need of having skilled manpower around these areas. We need to be ready to deploy skilled manpower to keep pace with the planned growth in these sectors.

5. It is estimated that about eight and a half million jobs would be created for our youngsters by 2030 in India alone as a result of this green transition and as we heard Dr. Saxena a while back during the general meeting that about 30 to 35 million jobs will be created by 2047 and that's a big number. Renewable industry is facing huge shortage in practically all the areas we can think of be design or installation or O&M or debt analysis or manufacturing and that's how importance of focusing on green jobs.

6. Skill Council for Green Jobs has taken many initiatives and has been creative enough to take more steps so as to meet the skilling needs of this sector, which is growing at a very fast pace. We will be hearing Dr. Saxena soon on role played by Skill Council for Green Jobs to fulfil and deliver the promise of this institution.



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7. I would like to thank both Dr. Saxena, Mr. Arpit Sharma and the entire team at Skill Council for Green Job for providing their leadership for this cause. They have indeed played a very critical role and they continue to play a very critical role in the skilling mission. My best wishes to the entire team at the Skill Council for Green Jobs. And with these brief remarks I shall proceed with the formal agenda and I'm calling meeting to order.

Chairman started with the formal agenda of the meeting.

## Agenda Item 8.01

To grant Leave of Absence to the members not present in the meeting.

8.01.01 - The Chairman was requested to grant leave of absence to the members not present in the meeting.

8.01.02 - The Chairman granted leave of absence to all members not present in the Annual General Meeting.

## Agenda Item 8.02

Presentation of Minutes of the Seventh Annual General Meeting of SCGJ held on 19th September, 2022

8.02.01 - Minutes of the Seventh Annual General Meeting of SCGJ held on 19th September, 2022 were circulated to all the members. It was informed that no comments were received. The minutes were presented before the Members of General Body.

8.02.01 - The General Body members approved the Minutes of the Seventh Annual General Meeting.

## Agenda Item 8.03

Action Taken Report on the decisions of the Seventh Annual General Meeting of SCGJ

8.03.01 - The General Body noted that there were no items for reporting under this item.

## Agenda Item 8.04

Performance during 2022-23 and 1st quarter of 2023-24 (up to 20.08.2023)

8.04.01 - CEO, SCGJ made a detailed presentation on the activities of SCGJ during 2022-23 and 1st quarter of 2023-24 (up to 20.08.2023).

8.04.02 - Dr. Saxena thanked all the annual general body meeting members which are largely from industry and the governing council members present in the meeting. He recapitulated the background of Skill Council. Skill Council for Green Jobs which was created in October 2015. At the moment it is registered society under Society Registration Act. We have so far done 16 Governing council meetings over a period of about eight years and seven AGMs. This is the 8th Annual General Body meeting council. In this process we have done a lot of activities and we were given the awarding body status by NCVET in the green energy space.

8.04.03 - Dr. Saxena mentioned that SCGJ is about to complete 8 years of its operations. Apart from skill trainings to over 5.36 lakh candidates through its training partners, SCGJ has been focusing on the quality of training and improving training material, by taking help from its Industry partners and also from the bilateral and multilateral organizations. Upgrading knowledge and skills of its certified trainers by international experts has been a unique activity of SCGJ in past few years. It has joined hands with GIZ, UNDP, FCDO (former DFID) to strengthen its quality of training. SCGJ has expanded its outreach by participating in international activities and tenders for skilling in renewable energy sector in India. SCGJ got an opportunity to conduct online trainings on various topics of Solar Energy, for 82 ISA member countries in English, French and Spanish.



# Minutes of 8<sup>th</sup> Annual General Meeting

8.04.04 - SCGJ has an online training aggregation platform so that its training partners can do market mode trainings in an online mode. SCGJ has now its own job portal. The SCGJ Job Portal is a technology initiative by Skill Council for Green Jobs to seamlessly connect employers with skilled candidates in the Green Energy Sector. SCGJ has now has its inhouse 'Green India Portal' to monitor its all activities

including training and certification apart from using digilocker for storing data of certified candidates. Strengthening its training material and making these available in local languages is a continued effort of SCGJ.

8.04.05 - SCGJ participates in WorldSkills competition for Water technology and Renewable Energy trades. It got India's first ever Gold medal at a WorldSkills Competition in the year 2019. During the year 2022, It has again secured silver medal in Water Technology in the World Skills special edition 2022 held in Germany for Water Technology and First time participated in World Skills special edition 2022 for Renewable Energy, held in Kyoto, Japan. SCGJ was invited by the World Bank to the 3rd WePOWER Conference during December 6th-8th December, 2022 in Bangkok, Thailand to share the Indian experience of skilling and jobs across the Green jobs segment

8.04.06 - SCGJ had a strategic alliance with German Industry. SCGJ signed an MoU with Bundesverband Solarwirtschaft E.V., Germany (BSW Solar) during the visit of German Chancellor, Olaf Scholz in New Delhi, focusing on boosting bilateral ties in the areas of Trade & Investment, New Technologies, Clean Energy & Skill Development. SCGJ is now developing IIT Mandi as a focal institution for solar PV trainings and would be developed as COE in renewable energy. In total SCGJ has 9 COEs spread through the Country. It is also proposed to develop COE in Green Hydrogen sector as well.

8.04.07 - SCGJ undertook following 6 skill Gap studies during the year:

1. Solid Waste Management in Metro Cities
2. Jobs and skilling in domestic solar and wind energy sector – Report by SCGJ, CEEW and NRDC - February, 2023
3. Assessments of biomass demand-supply value chain and entrepreneurship development for pellet production in selected clusters / districts.
4. Skill Gap Study on Plastic Waste Management:
5. Green House Gas Accounting Guidelines :
6. Landscape of Green Jobs in India supported by JP Morgan Chase:

8.04.08 - CSR and Consultancy Projects: Dr. Saxena mentioned that SCGJ has completed 8 major CSR projects so far and is now implementing following projects:

- CSR project from SBI Card:
- The World Bank Project towards introducing Vocational Education in Renewable Energy in Schools:
- UNDP Project on Green Electric Vehicle Charging Infrastructure and Solar Cold Storage:
- Climate Policy Initiative (CPI) Funded Entrepreneurship development:
- And 3 GIZ funded projects

8.04.09 - Review and Development of Qualifications: The GC was informed that at the beginning of the year, SCGJ had 44 approved qualifications (17 qualifications in Solar domain, 6 in Wind, 12 qualifications in Bio Energy, 6 in Waste Management, 2 in Sustainable Practices and 1 in Small Hydro). These qualifications were reviewed and revised qualifications have been submitted for approval of NCVET. During 2022-23, 24 new qualifications have been developed and approved by NCVET relating to Solar EV Charging, Solar Cold storage, rain water harvesting, Green Hydrogen and Solar PV cell manufacturing Technician.

8.04.10 - Membership of SCGJ and MOUs with Industry: One of the most important activities undertaken during this period was to broaden the industry base of SCGJ and develop industry associates. Over 650 industry, mainly MSME were contacted and informed about the activities of SCGJ. Industries added this year to our Membership are 26 in number. SCGJ has so far signed MoUs / LoAs with 69 industry / organizations with a view to cooperate in its activities and also help in achieving placement of SCGJ certified candidates. During the year 12 more MOUs were signed.



# Minutes of 8<sup>th</sup> Annual General Meeting

8.04.11 - Trainings and Assessments : Dr. Saxena briefed the GC about the Short term and RPL trainings and certification conducted by SCGJ through its affiliated training partners and assessment agencies. It was informed that 668 candidates have been certified as trainers for all its sectors. SCGJ has empanelled 8 assessment agencies for carry out the future assessments and conducted Training of Assessor for 103 candidates. During the year, SCGJ has conducted assessment and certification in 8 State Missions. SCGJ has completed the RPL Trainings of more than 7634 sanitation workers supported by NSKFC across the country.

8.04.12 - During the Year SCGJ has provided training for 21221 candidates through its affiliated training partners and certified 17,775 candidates. In cumulative terms, SCGJ, through its training partners, have trained 5.58 lakh candidates and certified 5.36 lakh candidates during last 8 years.

8.04.13 - Informing about some new initiatives during the year, Mr Arpit Sharma, COO SCGJ mentioned that SCGJ have signed an MOU with Vishwakarma Skills University, where we would be starting some training programs in the waste management domain. It was the first time that we could tie up with IIT Mandi, where we have already started a program on training of solar technicians. As mentioned , BSW which is the German Solar Association has signed an MOU with Skill council for Green Jobs for sending the candidates from India to Germany. This has been a really great initiative for SCGJ and it is a great motivating factor for our Indian candidates and is a great push for the training institutions to improve their quality of trainings because now they can see that candidates from India can actually go to Germany. We have also entered into an agreement with Clean Energy Ministerial. The CEM event was held in Goa last month, where SCGJ co-hosted one of the events

The Members noted the progress and complemented SCGJ team under the guidance of Mr. Sameer Gupta, Chairman for its commendable work.

## Agenda Item 8.05

To receive, consider and adopt the Annual Report and audited financial statements for the Financial Year ending 31.03.2023

8.05.01 - Dr. Saxena, CEO, SCGJ informed that important activities of Skill Council for Green Jobs during its Eighth year of operation (2022-23) are presented in the Annual Report 2022-23. The Annual report was circulated to all members through e mail along with agenda papers

8.05.02 - The General Body received, considered and adopted the Annual Report and audited financial statements for the Financial Year ending 31.03.2023, by passing the following resolution:

“...RESOLVED THAT pursuant to the provisions of the Societies Registration Act, 1860, and other applicable provisions, if any, annual report and audited financial statements of the Skill Council for Green Jobs be and is hereby approved.”

## Agenda Item 8.06

To consider and approve appointment of auditor for the financial year 2023-24

8.06.01 - M/s VRSM & Co., Chartered Accountant, Delhi (Firm Registration No. 016313 C) was appointed by the SCGJ as Statutory Auditors for the Year 2022-23 with the approval of General Body. M/s VRSM & Co has been auditors of SCGJ for one year. Their services have been very satisfactory.

8.06.02 - M/s VRSM & Co. is a Chartered Accountants firm providing Assurance, Taxation and Advisory services. The firm is engaged in the activities in the line of Corporate Law, Secretarial Compliances, Tax Matter, Audit, Accountancy, GST Compliances, RERA Compliances, covering a wide range of sub activities related to the profession. It has following details:

8.06.03 - The Chairman, SCGJ requested the General Body to consider and approve appointment of message, VRSM & Co as auditors for the for financial year 2023-2024.



# Minutes of 8<sup>th</sup> Annual General Meeting

8.06.04 - The General Body considered and approved appointment of auditor for the financial year 2023-2024 by passing the following resolution:

“RESOLVED THAT pursuant to the provisions of the Societies Registration Act, 1860, and other applicable provisions, if any, VRSM & Co., Chartered Accountant, Delhi (Firm Registration No. 016313 C) be and is hereby appointed as Auditors of the Society, to hold office from the conclusion of this Annual General Meeting until the conclusion of next Annual General Meeting of the Society, at such remuneration (including fees for certification) and reimbursement of out of pocket expenses for the purpose of audit as may be approved by the members of the Governing Council of the Society.”

## Agenda Item 8.07

Any other item, with the permission of the Chair:

Following observation was made by the member Mr. Prabhatraj Tiwari

Mr. Prabhatraj Tiwari from Madhya Pradesh State Open School Education Board mentioned that they are the Madhya Pradesh State Open School Education Board who has entered an MOU with the skill Council for Green Job last year. And by the help of SCGJ we are initiating a project for the rooftop solar plant installation in a legislative assembly around 170 villages. We are going to cover in each village at least ten-kilowatt rooftop power plant. We are planning and we have already established around 20 rooftop solar plant there and we are using your book which is for the rooftop solar PV installer that you have provided to us. And we got it reprinted from here by your permission. And we are giving these trainings and not trainings but after that their job opportunity to them and in an area of only one legislative assembly of Madhya Pradesh that is in Shajapur districts. So that is the thing which I want to bring in your kind notice and this is a credit for the SCGJ that by the help of yours we are doing that job.

**The meeting ended with a vote of thanks to the Chair.**





# 17th ,18th & 19th Governing Council Meeting



# Minutes of 17<sup>th</sup> Governing Council Meeting

The Seventeenth Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.00 am on 29th August, 2023, under the Chairmanship of Mr. Sameer Gupta, Chairman and Managing Director, Jakson Group, through video conferencing.

2. Following GC Members were present in the meeting:

1. Mr. Sameer Gupta, CMD, Jakson Group in Chair
2. Mr Sunil Jain, Partner, Essar capital (Former CEO & ED, Hero Future Energies)
3. Mr O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association
4. Mr Mohan Reddy, Head - SSC Governance, NSDC
5. Mr K Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ
6. Prof Arun Kumar, HRED, IIT Roorkee
7. Mr Jayvadan Mistry, Chief - Tata Power Skill Development Institute
8. Dr P Kanagavel, Director and Division Head, National Institute of Wind Energy
9. Dr Arun Kumar Tripathi, Ex-Advisor MNRE & Former DG, NISE
10. Mr Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India
11. Mr Abhimanyu Sahu, Director Marketing, Schneider Electric India Foundation
12. Mr Abhinav Mahajan, Director, Integrated Batteries Pvt. Ltd.
13. Mr Arpit Sharma, COO, Skill Council for Green Jobs
14. Dr P. Saxena, CEO, Skill Council for Green Jobs - Member Secretary

Also present:

15. Dr (Mrs.) P. Dhamija, Advisor – Biomass and Sustainable Livelihoods, SCGJ
16. Ms Sangeeta Patra, Vice President – Marketing and Partnerships, SCGJ
17. Mr Deepak Rai, Vice President – Standards and Research, SCGJ
18. Mr Ajit Kumar Samanta, General Manager - Finance & Accounts

The Meeting commenced its proceedings with the approval of the Chairman.

Welcome and opening remarks by the Chairman

1. India is witnessing a very interesting era. Fortunately, as a country have the highest growth rate amongst the top five economies of the world. India is forecasted to double its economy to 6.7 trillion by 2031 from presently 3.4 trillion. So, we are going to be more than double as forecasted by SNP. We know that last year in COP 26 which was held in Glasgow, honourable Prime Minister announced about India achieving net zero by 2070. Ever since that event I think a lot has happened in last one year. Our country has actually fast-tracked lot of initiatives in areas of renewable energy, e- mobility, and in particular green hydrogen. I think a lot of work has happened in last one year. Today morning I was reading about Mr. Gadkari intends to launch Toyota Innova which is going to be 100% on ethanol. This is going to be first of its kind in the world.

2. He further mentioned that undoubtedly our country is becoming a global climate leader and we are attracting significant investments both from domestic as well as international sources. There are challenges which includes by the way technology, innovation, policies, investment and of course scaling skilling is one of the challenges. We have the largest population in the world and considering the fact that population in developed world is on decline I think this is a clean opportunity for India to be skilled capital for the world.

3. India has the honour of hosting G20 conference and we just witnessed successful launch of Chandran as well. I think G20 presidency provides an opportunity to the world to benefit from India's achievements in diverse fields now. Including of course renewable energy, digitization and now even space. we are witnessing is just a new beginning, new era for this country altogether. We are aware of various programs launched by government of India to enhance the skill capital with objective of improving skill and employability of its workforce both in India and across the world.



# Minutes of 17<sup>th</sup> Governing Council Meeting

4. He further mentioned that education and skilling are two important pillars which we all know and they need to be integrated to each other. That's what lot of effort again is being done by various stakeholders. The national education policy has brought vocational education and formal education closer than ever. That's something new. Again, what we are witnessing. Another thing I would say is engagement of industry with education and skills which has become another driver very important driver which will help youth unleash the potential in this sector of skilling. I think Skill Council of Green Jobs has taken many initiatives to support the sustainable transition towards green economy and for having a sustainable development we definitely have no other choice but to keep focusing on building up capacity and that's exactly what we are doing at Skill Council of Green Jobs.

After the opening remarks, the Chairman started with the formal agenda of the meeting.

## Agenda Item 17.01

To confirm Minutes of the Sixteenth Governing Council Meeting of SCGJ held on 17th February, 2023

17.01.01 - It was informed that the minutes of the Sixteenth Governing Council of SCGJ held 17th February, 2023 were circulated to all members. No comments were received from the Members. GC was requested to confirm the minutes.

17.01.02 - The Minutes of the Sixteenth Governing Council Meeting of SCGJ held on 17th February, 2023 were noted and confirmed.

## Agenda Item 17.02

Action Taken Report on the decisions of Sixteenth GC meeting

17.02.01 - Action Taken report was presented by CEO, SCGJ. Detailed action taken by SCGJ against each item, as reported in the agenda papers, were presented and noted by the members.

17.02.02. - While noting the action taken, the Chairman appreciated the efforts on developing activities around GHG or ESG and that Six qualifications around green hydrogen have already been approved and events are organised by SCGJ on Green Hydrogen. He mentioned that about 500 CBG plants are likely to come up in next few years. So, the potential around biofuels is going to be lot more and SCGJ may plan accordingly. He invited comments from the Governing Council members.

17.02.03 - Mr. Sunil Jain, co- chair SCGJ mentioned that the industry will have to keep in mind the advent of the Cross Border Adjusted Mechanism (CBAM ) tax which Europe is going to levy on the companies who are exporting to Europe and they have to measure their carbon footprint, This is going to be a lot of requirements for people who can measure the actual carbon content of the products which are being exported. There is a limited expertise available more so in the MSMEs. This is one area which would require tremendous amount of skill and we therefore must start now. He further mentioned that from ethanol and other products, please keep in mind one G will be out very soon and we should start skilling people for 2G, not one G.

17.02.04 - Mr. K Krishan mentioned that we have to focus on the agricultural residue and waste and towards the second-generation biofuels, and make a push on that program which has already started.

17.02.05 - The Chairman mentioned that India stands a very good chance to export green hydrogen and carbon capture equipment. We need to keep this in mind and points well noted on 2G or 3G are going to be the future very clearly.

17.02.06 The council noted action taken / present position on the decisions taken in the Sixteenth Governing Council meeting and approved the action taken by SCGJ.



# Minutes of 17<sup>th</sup> Governing Council Meeting

## Agenda Item 17.03

To review and approve the Statutory Compliance report.

17.03.01 - It was reported that all statutory requirements are consistently followed. Further, SCGJ has been filing the returns and have no defaults. SCGJ has got certificate for minimum deduction of TDS from Income tax department, as skill councils are exempted.

17.03.02 - The GC reviewed and approved the Statutory Compliance report of SCGJ.

## Agenda Item 17.04

Performance during the year 2022-23

17.04.01 - Dr. Saxena CEO, SCGJ gave an over view of the activities during the year 2022-23 and up to August, 2023. He mentioned that Skill Council for Green Jobs is about to complete 8 years of its operations. Apart from skill trainings to over 5.36 lakh candidates through its training partners, SCGJ has been focusing on the quality of training and improving training material, by taking help from its Industry partners and also from the bilateral and multilateral organizations. Upgrading knowledge and skills of its certified trainers by international experts has been a unique activity of SCGJ in past few years. It has joined hands with GIZ, UNDP, FCDO (former DFID) to strengthen its quality of training. SCGJ has expanded its outreach by participating in international activities and tenders for skilling in renewable energy sector in India. SCGJ got an opportunity to conduct online trainings on various topics of Solar Energy, for 82 ISA member countries in English, French and Spanish.

17.04.02 - SCGJ has an online training aggregation platform so that its training partners can do market mode trainings in an online mode. SCGJ has now its own job portal. The SCGJ Job Portal is a technology initiative by Skill Council for Green Jobs to seamlessly connect employers with skilled candidates in the Green Energy Sector. SCGJ has now has its inhouse 'Green India Portal' to monitor its all activities including training and certification apart from using digilocker for storing data of certified candidates. Strengthening its training material and making these available in local languages is a continued effort of SCGJ.

17.04.03 - SCGJ has been formally recognized as an "Awarding Body" by the National Council for Vocational Education and Training (NCVET) on 31st May, 2022.

17.04.04 - SCGJ participates in WorldSkills competition for Water technology and Renewable Energy trades. It got India's first ever Gold medal at a WorldSkills Competition in the year 2019. During the year 2022, It has again secured silver medal in Water Technology in the World Skills special edition 2022 held in Germany for Water Technology and First time participated in World Skills special edition 2022 for Renewable Energy, held in Kyoto, Japan. SCGJ was invited by the World Bank to the 3rd WePOWER Conference during December 6th-8th December, 2022 in Bangkok, Thailand to share the Indian experience of skilling and jobs across the Green jobs segment

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4. Skill Gap Study on Plastic Waste Management:
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17.04.07 - CSR and Consultancy Projects: Dr. Saxena mentioned that SCGJ has completed 8 major CSR projects so far and is now implementing following projects:

- CSR project from SBI Card:
- The World Bank Project towards introducing Vocational Education in Renewable Energy in Schools:
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17.04.08 - Review and Development of Qualifications: The GC was informed that at the beginning of the year, SCGJ had 44 approved qualifications (17 qualifications in Solar domain, 6 in Wind, 12 qualifications in Bio Energy, 6 in Waste Management, 2 in Sustainable Practices and 1 in Small Hydro). These qualifications were reviewed and revised qualifications have been submitted for approval of NCVET. During 2022-23, 24 new qualifications have been developed and approved by NCVET relating to Solar EV Charging, Solar Cold storage, rain water harvesting, Green Hydrogen and Solar PV cell manufacturing Technician.

17.04.09 - Membership of SCGJ and MOUs with Industry: One of the most important activities undertaken during this period was to broaden the industry base of SCGJ and develop industry associates. Over 650 industry, mainly MSME were contacted and informed about the activities of SCGJ. Industries added this year to our Membership are 26 in number. SCGJ has so far signed MoUs / LoAs with 69 industry / organizations with a view to cooperate in its activities and also help in achieving placement of SCGJ certified candidates. During the year 12 more MOUs were signed.

17.04.10 - Trainings and Assessments: Dr. Saxena briefed the GC about the Short term and RPL trainings and certification conducted by SCGJ through its affiliated training partners and assessment agencies. It was informed that 668 candidates have been certified as trainers for all its sectors. SCGJ has empanelled 8 assessment agencies for carry out the future assessments and conducted Training of Assessor for 103 candidates. During the year, SCGJ has conducted assessment and certification in 8 State Missions. SCGJ has completed the RPL Trainings of more than 7634 sanitation workers supported by NSKFDK across the country.

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17.04.12 - Informing about some new initiatives during the year, Mr Arpit Sharma, COO SCGJ mentioned that SCGJ have signed an MOU with Vishwakarma Skills University, where we would be starting some training programs in the waste management domain. It was the first time that we could tie up with IIT Mandi, where we have already started a program on training of solar technicians. As mentioned , BSW which is the German Solar Association has signed an MOU with Skill council for Green Jobs for sending the candidates from India to Germany. This has been a really great initiative for SCGJ and it is a great motivating factor for our Indian candidates and is a great push for the training institutions to improve their quality of trainings because now they can see that candidates from India can actually go to Germany. We have also entered into an agreement with Clean Energy Ministerial. The CEM event was held in Goa last month, where SCGJ co-hosted one of the events.

17.04.13 - Comments from GC members:

Mr. Sameer Gupta, Chairman mentioned that it is evident that a lot of interesting projects have been taken and certainly good to see the focus on impactful projects as SCGJ CSR initiative. Skill Council for Green Jobs have done a commendable work in during the year under review. The Chairman invited comments from the members:



# Minutes of 17<sup>th</sup> Governing Council Meeting

17.04.14 - Mr. Sunil Jain, co- chair SCGJ mentioned that SCGJ have got a portal available today. May be it be a good idea to have an app for Skill Council because the entire young population today works on app. So, the job portal and the training portal if it is on an app, it will be more accessible to them so you can propagate and promote that app. So, what will happen is more and more people will come forward for training when you put our training on the app. App is becoming the most common used feature on a mobile phone. A lot of people don't have access to laptops and our business is to train people in the rural areas and unskilled areas. Dr. Saxena assured that SCGJ will be able to report some progress on that in the next GC. Mr. Jain further mentioned that we have to improve our reach. He is director with the Rotary International this year for the Delhi and we are running 4G, 5G training skill program all over the state in Delhi and it has generated very good response. Similarly for renewable and green we can start some activities. and all. Like SCGJ is signing MOUs and collaborative distinction, we must collaborate with various organizations including industry bodies. Some pf the NGOs have funds and they want to skill people. So, SCGJ can offer its services for skilling those people and get your revenue stream. because revenue stream is equally important. I will put you onto the district governor and maybe I'll be part of that meeting and we can sign an MoU or something to see how both the organization benefit from each other.

17.04.15. - Prof. Arun Kumar, HRED, IIT Roorkee mentioned that when SCGJ is talking about greenhouse gas emission, assessment etc measurements, sample measurements are also necessary. It is not only the assessment which is based on certain assumptions and certain values which are measured somewhere else. So, some kind of sample measurements, learning skill and instrumentation also should be tried. This is one of the weakest areas, people do not have either skill or also the instrumentation when sustainability is coming in a very big way even in company sector. So I would suggest that this particular things may also be looked into as future activities.

17.04.16 - Mr Sameer Gupta , Chairman SCGJ mentioned that during the presentation he noticed that a lot of focus is given on institution partnership. He opined that partnership with private sector, who are focusing on renewable or any kind of green business should be increased. Considering the fact that we need lot more revenue and focus on training, assessments etc I think that closer business development activity with private sector could yield results in times to come.

17.04.17 - Mr K Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ supplementing the views of Mr. Jain about outreach to people who could be NGOs or similar global foundations, IIT Foundation like WHEELS (Water, Health, Education, Environment, Livelihoods and Sustainability) and other PARFI which is essentially focusing on rural India. They raise funds from IITians globally and implement programs. So we are trying to forge a relationship and use these entities to do their skilling.

17.04.18 - Mr. Mohan Reddy, NSDC congratulated SCGJ for the good work especially in future technologies. This has been recognized in the Ministry as well. In terms of the number of job roles that have been created, especially with hydrogen technology in focus, this is a very good step for which SCGJ should be acknowledged and commended.

17.04.19 - Mr. Mohan referred to the meetings taken by Secretary, MSDE. The focus has clearly been on how well the SSC's are working with the industry to understand what are the future needs and how are the SSC's planning to meet their skill demands. The focus was also for the SSC's to create best in class institutes called a kind of Centre of Excellences. The sector skill councils can work with the industry and create a centre of excellence. Green Jobs SSC has done good there as well. But my intent of putting this forward is to have more centre of excellences in the future technologies, say the hydrogen technologies for that matter.

Dr. Saxena informed that SCGJ is working on creating more COEs and looking for creating a CEO on Green Hydrogen. SCGJ is coming up with agenda for creating Green Energy Academy in this GC.

17.04.20 - Mr. Mohan, NSDC further mentioned that the Skill council for Green Jobs does only two board meetings and suggested that at least four meetings should be held. This is as part of the governance of SSCs. If that can be taken forward in future meetings. He also mentioned that we have selected COO for the SSC. We would also like to know the transition for him into the next level, because it's over one and a half years when he has been selected as COO.

The Chairman requested Dr. Saxena, CEO to respond. Dr. Saxena clarified that the process of transition of COO to CEO has been clearly laid down by the Governing Council in its 14th meeting held on 21st February, 2022.



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Mr. Arpit Sharma was appointed as COO on 10 June 2022 and he would take over as CEO on 10 June 2024. It was further clarified that this was informed by the Chairman SCGJ to the Secretary, MSDE and CEO NSDC.

The Chairman mentioned that to supplement, Mr. Reddy we are totally committed on these points related to governance goes without saying the entire council is absolutely committed and transition is underway. That's how we have Mr. Sunil Jain as Co- chair of SCGJ and the transition would happen over next few months.

17.04.21 - Dr. Saxena further clarified that SCGJ continues with two meetings of the Governing Council as it is still a society. The Governing Council has approved our transition to Section-8 company. All the society sector skill councils are desperately trying to convert to Section – 8 companies. There is some administrative issue with the Registrar of Companies portal. It is not working for this transition. After discussion, it was decided to continue with this effort through NSDC and MSDE. SCGJ is complying with all society rules. If the Governing Council feels that we should meet more frequently we can do so. This issue was discussed earlier and it was decided that two meetings are more than enough for the Governing Council.

The Chairman suggested that we can have inputs from the members who are present. He clarified that once we get converted into Section 8 company the activities of this council will increase lot more. Then probably there was more merit in having four meetings and that's how we thought as a society we will stick to two because there was not much of an agenda. So, we thought two could be enough but happy to have inputs. If we all feel that even as a society we need to have four we can always do that at this point he asked for views from members.

Mr. Sunil Jain, Co- chair SCGJ mentioned that if it is required, we can have 4 meetings of GC but society does not require to have it. If NSDC or the government believes that it is a part of the governance there's no harm. Let's go ahead with four GC meetings in a year. We can have a smaller agenda and short meetings.

The Chairman thank all the members for the valuable comments. He requested all the members to kindly approve the activities of the skill council before we move on to the next item.

The suggestions made by the members and the performance of SCGJ during the year 2022-23 were noted. It was decided that SCGJ will have 4 GC meetings per year from now onwards.

## Agenda Item 17.05

Setting up of SCGJ – International Academy of Green Energy (i-Age)

17.05.01 - Introducing the agenda item, The Chairman mentioned that Setting up of an international academy of green energy by Skill Council of Green Job is a very innovative thought. Dr. Saxena and myself had a debate on this. I think I must compliment the thought process of the leaders at the Skill Council for Green Jobs. I would request Dr. Saxena to give an overview to the members about this proposed academy please.

17.05.02 - Dr. Saxena made a detailed presentation about setting up of International Academy of Green Energy. He mentioned that we have been talking to various organizations national as well as international and we have been requested by many organizations that they would be able to support if the trainings are of higher level. If we see at the country's national situation, we are looking for moving to 500 GW of renewable energy by 2030. We have a National Hydrogen Mission which is looking for about six lakh jobs opportunities in that particular sector. As chairman was also saying we are moving into a network of CNG and PNG and there will be a 20% ethanol blending in petrol. We are moving towards a circular economy and net zero emissions which have been announced by the Hon'ble Prime Minister. We are estimating that there would be about 35 million green jobs which would be created by 2047.

17.05.03 - With all this on horizon, it is felt that there should be a more strengthening of our activity which requires a focused attention like centre of excellence. We have a large number of international engagements. We have delivered over 4000 trainings for 82 countries ISA member countries in different languages. SCGJ have received assignment from World Bank, UNIDO USAID, FCDO, WHO, GIZ.



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We are invited by USAID to take Master classes in green hydrogen for Bangladesh, Bhutan, Sri Lanka and Maldives. We are now a member of BRICS Council. We have an MOU with IRENA, IEA, Clean Energy Ministerial. So, lot of traction is coming on green skills and green hydrogen. We are regularly participating in world skills. We are learning a lot and we have a vision document which says about 30 to 35 million additional jobs would be created by 2047. SCGJ has its business plan up to 2030 in place. SCGJ is planning at least ten lakh short term training programs and 20 lakh virtual training programs.

17.05.04 - As per the government indications, we have to move to market mode trainings either ourselves or through our training partners. Considering this we are planning that we should further strengthen our trainings, training partners and training course materials.

17.05.05 - Talking about SCGJ's legal situation is concerned, we are awarding body of NCVET. We are a society at the moment and we are transitioning to section-8 company. As far as our financial situation is concerned, year on year we have created a pool of reserve for us which is meant for strengthening our efforts and we have about four crore rupees with us for developmental activities.

17.05.06 - SCGJ want to take a leap in our activities and proposing that we should create an International Academy of Green Energy. Having own training and skilling centre is becoming essential requirement for taking many CSR projects. Considering this, I am proposing to the Governing Council that we should have our own International Academy of Green Energy. It can start with the existing setup. It would have a strong industry connect, it would take up some projects, CSR projects, it would take some consultancy projects. When we take consultancy projects or take some projects, our own people become wiser and more strengthened. Their knowledge becomes better and they become updated as far as information and knowledge is concerned. CSR projects or contractual projects or contracts or consulting things help us in building our own capabilities and credibility.

17.05.07 - It is proposed that we create an international Academy of green energy. This academy would be a division of skill council existing setup of Skill Council for Green Jobs. It's all expenditure, revenue and earnings would be part of Skill Council and it would form part of SCGJ budget which would be approved by Governing Council. We could start with three or four technical people who would be Skill Council's staff and support the academy. It would be free to hire some experts from outside and pay them for delivering lectures. The head of the academy would report to CEO of Skill Council for Green Jobs because it would be a functional division of skill council. We are aiming that the academy should be self-sustaining within two years of operation and in a batch of five years it should generate positive revenues which can be given to Skill Council for Green Jobs or it becomes an integral part of skill council. I propose that this academy may be in the vicinity of Delhi. Most likely we'll start with SCGJ office and then maybe look for some co working space in Noida and Greater Noida premises, because a lot of renewable energy industry is present there and there are academic institutions institutes like Amity Institute, there's Sharda University, there are many other universities which are present there.

17.05.08 - The academy will be able to take advantage of offering higher level of courses rather than level three, four and five courses which would be typically for engineering colleges add on courses for them and then connect them to the industry for better job. I am proposing that a detailed roadmap would also be prepared. If governing council approves this proposal in principle then we can go ahead and start work on this and come back to the governing council for detailed plan. But this is what my request would be to consider in principle approval of International Academy of Green Energy with an initial budget allocation of about Rs. One crore.

17.05.09 - We intend to go to industry for their participation in this or financial participation also in this. And there would be a continuous linkage. We can set up for example their bench or their lab in the academy. We can also go to the industry and set up a small setup in the industry where people can go and have trainings. We can also consider that the academy would have a system of regular interaction with industry and going there and having their setups there.

17.05.10 - After a detailed presentation as outlined in the agenda papers, the Chairman invited comments from the governing council members.



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Mr. Mohan from NSDC mentioned that this is very good initiative. My only flag here is the NSDC nominee director is not present today. I'm just representative, it would be good if the details could be shared with him for his explicit approvals. That's my sessions.

The Chairman invited comments from other members:

17.05.11 - Prof. Arun Kumar, IIT Roorkee mentioned that this idea is an excellent idea, but I have two alerts to make. First of all, the Skill Council is basically an accreditation body whereas the academy is for executing, so there are two little bit conflicts and it should be avoided. Number two, it is a very good initiative and I think we should take it up as early as possible because this is a gap area. It will strengthen council for its scientific work. So, In all, I support this idea.

17.05.12 - Mr. K Krishan, former Chairman SCGJ : Dr. Saxena referred to the BRICS thing, I wanted to mention we have been talking of skilling in BRICS for the last few years. But this year, under the South Africa presidency, there's also been a centre of excellence established for Just energy transition, which is a little similar to this proposal of Academy for Green Energy and that has been supported by South African government. The BRICS have approved it with a proviso that we will be establishing such kind of entities in other BRICS nations also. So, the idea is that, it is one thing for Skill Council for Green Jobs to say we have training partners and operate through training partners, but having its own academy brings a big value. It started in India presidency, but now we're in a very advanced stage of establishing a clean energy fund under NDB, which may have about \$3 billion. It'll have a significant technical assistance component in it. So, I think if Skills Council for Green Job wants to garner share in this and if I might even comment, frankly speaking, South Africa's position for the just energy transition is somewhat like what SCGJ was in 2017. We're about six years ahead of them. So, we could have a lot of participation in sharing our knowledge. But having our own Skills Academy would be essential for this international forum.

17.05.13 - Mr Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India, First of all, this idea of iAge is much needed and the need of the hour. I speak on behalf of the entire industry. We just had a couple of meetings with the HR representatives of all our key member companies, not just on the developing side, but also the manufacturer side and system integrator side. And every interaction and every input and every line of the minutes points out to a lack of centralized hub that can coordinate with universities and upcoming young professionals so that they can be equipped with enough skills to take part in the sector. That is a first observation. So, I think nothing can be better than SCGJ to lead this initiative and become the hub. And by hub, I mean I want to go to my next point. Today SCGJ operates with the spoke model but with this academy will complete the hub and spoke model and the academy will become the main hub while the training partners will become the spokes of umbrella of SCGJ. Last but not the least, I would not want to comment on the figure but from NSEFI side through a response of industry we would also like to support financially and also with the industry support SCGJ iAge SCGJ under leadership of Dr. Saxena and Arpit Ji, we are going to hold three series of joint stakeholder sessions with our members. One on green hydrogen, second on manufacturing of solar, third on general utility including wind and hybrid. So, after that series of meetings, we would like to also come to SCGJ as NSEFI as a joint proposal to support this academy and we don't want to miss this opportunity today. While Germany was mentioned, we just yesterday had a two-hour long meeting with Australia. Australia wants us to send 3000 people a year to work on green hydrogen manufacturing and solar manufacturing. Japan is in requirement of people. So, we are going to be the hub of human resource when it comes to renewables and I don't see anybody other than SCGJ to do it. So, they have my full support and like I said from NSEFI we are ready to extend not just support from the members but also to financially support various activities of the academy.

17.05.14 - Mr. Kanagavel, National Institute of Wind Energy: I appreciate the idea of skill council for bringing this iAge academic institution in fact which is need of the hour, because we have specific training institute for all other areas. Right now, we do not have a specialized institution to conduct training on the renewable energy aspect. Some institution running a small program which is not very structured way. So having qualification packs for all the green area, I think this idea is very good. I really support for this academic initiative and I also wish to have a centre in regional areas not only in Delhi. We do not have a structured training institute for renewable energy training. So, like National Institute of Wind Energy, we are doing a training program as part of our technical activities, not full- fledged training which runs year long. So, this is a good inception. really support and thanks Saxena Ji bringing this idea. So definitely we support this.



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17.05.15 - Mr. Abhinav Mahajan, Integrated Batteries Pvt. Ltd.: First of all, I would like to congratulate SCGJ. Under the dynamic leadership they have tied up with such reputed institutes and federations. On behalf of manufacturers, I would like to say that solar panel manufacturing is undergoing rapidly transformation in technology. From poly to mono to HJT, HJT to n Type. The transition is very high now. So, we are experiencing the way the industry is growing. The technology is also changing very rapidly. So, what we are experiencing what all the manufacturers what we are experiencing is the shortage of the skilled manpower to adapt to the technology and work on those machines which manufacturers are procuring. So, time and again at the platform of several associations and during recently held meeting with manufacturers by MNRE also this point was discussed that we are facing shortage of manpower. So, I would like to propose that new modules, new assessment, new structure, curriculum should come for manufacturing technology to adapt to the manufacturing technology as well in solar panels. So that manufacturers don't face shortage of or the skilled manpower. And we don't lag behind what targets have been set for us by the government, by the ministry. So I think SCGJ can collaborate or we can be instrumental in getting collaborated with lot of manufacturers associations which we have in India. So that all the manufacturers can get benefit from the training and skilled manpower which SCGJ can only provide.

17.05.16 - Mr. Jayvadan Mistry, Chief - Tata Power Skill Development Institute; Congratulations to SCGJ. In Tata Power Skill Development. we have got a lot of installations across pan India and almost at every installation we have got a small institute. We were always looking for some benchmark. I think this thought of International Academy of Green Energy, it should be a benchmark for us. So, we will take the ideas from this institute and we'll try to implement at various locations in our organization also.

17.05.17 - Mr. Sunil Jain, Co-Chair, SCGJ This agenda is getting overwhelming support. And my suggestion would be that to start with itself, you would need to collect funds. And like companies like Tata's and others, they can always contribute through a chair and something and create a corpus. So that we create an institute of repute and standard. You can start making that pitch right now. Make a good presentation and make pitch. And with support of good companies, one for manufacturing, one for deployment, for hydrogen technology and I'm sure industry will come forward. Everybody needs that. So, what will happen is you will become self-sufficient independent of the skill council money.

17.05.18 - Mr. O.P Taneja, IWTMA , Skill Council for Green Job is already having a great exposure with the international agencies like IRENA or GIZ and other international entities. I think with this idea, what Dr. Saxena has noted with the experience they have already gained from the interaction with other international agencies, this will be a very wonderful idea and will do the things much better.

After all the comments and views, Mr. Chairman summarised that considering all the encouraging comments received, can we take this proposal as approved in principle and of course as suggested by Mr. Reddy we will look forward to suggestions from NSDC as well. But in the meantime, can we take this agenda item as approved.

The Governing Council accord in-principal approval to setup "International Academy of Green Energy (iAge)" with an initial budget allocation of Rs. 1.00 Crore, as proposed.

**The meeting ended with vote of thanks to the chair.**



# Minutes of 18<sup>th</sup> Governing Council Meeting

The Eighteenth Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.30 am on 12th February, 2024, under the Chairmanship of Mr. Sameer Gupta, Chairman and Managing Director, Jakson Group, through video conferencing.

Following GC Members and invitees were present in the meeting:

1. Mr. Sameer Gupta, CMD, Jakson Group in Chair
2. Mr Sunil Jain, Founder Partner, Sundev Renewables, (Former CEO & ED, Hero Future Energies)
3. Mr K Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ
4. Mr O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association
5. Ms. Jyoti Mukul, Principal - Energy & Infrastructure, CII
6. Prof Arun Kumar, HRED, IIT Roorkee
7. Mr Jayvadan Mistry, Chief - Tata Power Skill Development Institute
8. Dr P Kanagavel, Director and Division Head, National Institute of Wind Energy
9. Mr Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India
10. Mr Abhinav Mahajan, Director, Integrated Batteries Pvt. Ltd.
11. Mr. Raguram Arjunan, President, Sustainability & Energy Practitioners Association (SEPA)
12. Mr. Japen Gor, Project Director , Heemsol Energy System Private Limited
13. Dr. Omkar Jani, President & CTO, Reliance New Solar Energy Limited
14. Mr. Bhavik Trivedi, Managing Director, TUV Rheinland India
15. Mr. Ramesh Shivanna, Managing Director, Pride Group , Founding President, Karnataka Renewable Energy System Manufacturer Association (KRESMA)
16. Mr. Rajan Varshney, DGM( New-Initiatives), NTPC , New Delhi
17. Mr. Sanjay Gupta, Chief Business Officer, Jakson Group of Industries
18. Mr. Jitendra Routray, Head CSR Renew Power,
19. Mr Arpit Sharma, COO, Skill Council for Green Jobs
20. Dr P. Saxena, CEO, Skill Council for Green Jobs Member Secretary

Also present:

21. Dr (Mrs.) P. Dhamija, Advisor – Biomass and Sustainable Livelihoods, SCGJ
22. Ms Sangeeta Patra, Vice President – Marketing and Partnerships, SCGJ
23. Mr Deepak Rai, Vice President – Standards and Research, SCGJ
24. Mr Ajit Kumar Samanta, General Manager - Finance & Accounts

At the outset, Mr. Sameer Gupta, Chairman, SCGJ welcomed the Governing Council members and the special invitees to the 18th meeting of the Governing Council meeting of SCGJ and sincerely appreciated everyone for sparing their valuable time.

The Meeting commenced its proceedings with the approval of the Chairman.

Welcome and opening remarks by the Chairman

1. Hon'ble Chairman opened the meeting with his remarks and stated that India's progress in last ten years has been quite remarkable. We have been consistently growing at the highest rate globally and this will be the fourth year in succession. India seems to be well positioned to become the third largest economy by 2030 after US and China. I think make in India and make for the world strategy seems to be reaping rich dividends for our country. Just to give a perspective, from April to October this financial year, India has exported solar modules of over \$1.1 billion. I think in every segment, without exception, be it energy or infra or auto or pharma or defence, we are making significant progress. I believe India can achieve the same level of progress in new energy sectors going forward like hydrogen, electrolysers, etc. The announcements by the government in the past few months has left no doubt that their single point agenda is sustainable growth of the economy of the country.



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2. He further mentioned that digitization is being adopted by people at rapid speed and this will give India a competitive advantage by reducing cost of doing business which has been a concern for quite a few of us. I think that both government and industry have come forward to focus a lot more on technology and innovation. India seems to be well positioned to become world's information and technology hub. This effort can address issues of education, job creation and diversity over medium term. Also, we all know that Government of India has set an ambitious target to become net zero by 2070. Over last couple of years, sector has accelerated investment in green energy and that is going to help us achieve the objectives. Technology and availability of skilled manpower are going to be critical success factors for achieving this goal. There is strong policy support from the government and this provides optimism that round the clock emission free energy can become reality much sooner than what we all expected. It appears that solar module manufacturing capacity in the country can likely reach 80 GW to 100 GW over next few years. Imagine the manpower requirement which is going to be there to service this demand in the coming years.

3. The Amrit Kal vision is very inspiring and we have resolved as a country to make India a developed nation by 2047. As we move towards our hundredth year of India's independence, we hope that we exceed our growth projections with an equal focus on providing equitable and inclusive opportunities to all. We are making progress with every passing day to provide access to education, access to better health and skills so as to cover all sections of population including women and economically and socially disadvantaged segment. India has a clear demographic advantage and this is an opportunity to position India as a skilled capital of the world. I think capacity building is going to be the key. In the recent budget Hon'ble Prime Minister announced the Pradhan Mantri Surya Ode Yojana with target of installing solar rooftop on one crore houses. This is again an ambitious target and to achieve this we need the right skill sets. The recent award of PLI for electrolyzers and green hydrogen manufacturing will propel India as a global leader in green hydrogen.

4. The Chairman emphasized that transition to green and economy won't be possible if there is not enough focus and investment on skilling. Even though we have empowered around 5.75 lakh candidates in the past eight years and developed critical qualifications in emerging areas, we still have a long way to go. India produces over 1.5 million engineering graduates on a yearly basis and not more than 5% get high quality jobs. I have often heard from industry colleagues regarding challenges pertaining to skill sets and it's evident that there is a huge opportunity to work in this area. We face significant challenge of non-availability of skilled manpower not just for manufacturing sector but also in areas of project execution and O&M. Addressing this gap becomes a critical aspect of our strategy so that we can meet the demand of skilled manpower. For Green energy sector, I think both industry and government, will need to invest in skilling to achieve long term objectives of sustainability. Skill Council of Green Jobs has been playing its role for the past eight years.

After the opening remarks, the Chairman started with the formal agenda of the meeting.

## Agenda Item 18.01

To confirm Minutes of the Seventeenth Governing Council Meeting of SCGJ held on 29th August, 2023

18.01.01 - It was informed that the minutes of the Seventeenth Governing Council of SCGJ held 29th August, 2023 were circulated to all members. No comments were received from the Members. GC was requested to confirm the minutes.

18.01.02 - The Minutes of the Seventeenth Governing Council Meeting of SCGJ held on 29th August, 2023 were noted and confirmed.

## Agenda Item 18.02

Action Taken Report on the decisions of Seventeenth GC meeting

18.02.01 - Action Taken report was presented by CEO, SCGJ. Detailed action taken by SCGJ against each item, as reported in the agenda papers, were presented and noted by the members.



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18.02.02. - While noting the action taken, the Chairman appreciated the efforts and on developing activities around GHG or ESG and that qualifications on green hydrogen have already been approved and events are being organised by SCGJ on Green Hydrogen.

18.02.03 - Discussing about need for establishing more Centre of Excellence (COEs), Mr. Sunil Jain wanted to check if SCGJ is coming up with new centres with the help of the industry. He asked if we can give the centre a name of a company and get a sponsorship. Dr. Saxena clarified that this is a very good idea and skill ecosystem would welcome that industry is associated in setting up or strengthening of COEs.

18.02.04 - The council noted action taken on the action points of the Seventeenth Governing Council meeting and approved the action taken by SCGJ.

## Agenda Item 18.03

To review and approve the Statutory Compliance report.

18.03.01 - It was reported that all statutory requirements are consistently followed. Further, SCGJ has been filing the returns and have no defaults. SCGJ has got certificate for minimum deduction of TDS from Income tax department, as skill councils are exempted.

18.03.02 - The GC reviewed and approved the Statutory Compliance report of SCGJ.

## Agenda Item 18.04

Performance during the year 2023-24

18.04.01 - Dr. Saxena CEO, SCGJ gave an over view of the activities during the year 2023-24. He mentioned that Skill Council for Green Jobs has completed 8 years of its operations. Apart from skill trainings to over 5.74 lakh candidates through its training partners, SCGJ has been focusing on the quality of training and improving training material, by taking help from its Industry partners and also from the bilateral and multilateral organizations. Upgrading knowledge and skills of its certified trainers by international experts has been a unique activity of SCGJ in past few years. It has joined hands with GIZ, UNDP, FCDO (former DFID) to strengthen its quality of training. SCGJ has expanded its outreach by participating in international activities and tenders for skilling in renewable energy sector in India. SCGJ got an opportunity to conduct online trainings on various topics of Solar Energy, for 82 ISA member countries in English, French and Spanish.

18.04.02 - During the year 2023-24, SCGJ focused its efforts on content development, skilling and training in the Green Hydrogen sector. As part of this effort, 8 new qualifications have been developed and approved by NCVET. 4 participant handbooks and 3 facilitator guides have been developed and a book on Fundamentals of Green Hydrogen has been published. Interaction with industry has been a prime focus of this effort. SCGJ onboarded 14 Master Trainers and 27 Trainers on the subject of Green Hydrogen. 9 batches of training with 312 candidates were conducted. SCGJ organized 7 webinars on various aspects of green hydrogen value chain. Earlier, SCGJ had delivered a 4 days virtual training on Green Hydrogen to 33 participants from 6 South Asian countries including India, Bangladesh, Bhutan, Sri Lanka, Maldives.

18.04.03 - SCGJ is an "Awarding Body" of the National Council for Vocational Education and Training (NCVET) in the Green Energy and environment sector. SCGJ has an online training aggregation platform so that its training partners can do market mode trainings in an online mode. SCGJ has now its own job portal. The SCGJ Job Portal is a technology initiative by Skill Council for Green Jobs to seamlessly connect employers with skilled candidates in the Green Energy Sector. SCGJ has now has its inhouse "Green India Portal" to monitor its all activities including training and certification apart from using digilocker for storing data of certified candidates. Strengthening its training material and making these available in local languages is a continued effort of SCGJ.



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18.04.04 - As part of “Azadi Ka Amrit Mahotsav” SCGJ organized a series of 100 webinars covering various topics in Renewable Energy, Sustainable Development, Green Hydrogen, waste management, waste to fuel etc. SCGJ is preparing for the WorldSkills 2024 competition for Water technology and Renewable Energy trades. SCGJ is actively participating in the World Bank WePower program to support women candidate trainings in the RE sector. SCGJ had an strategic alliance with German Industry to cooperate mutually by promoting the development of Skills and Job opportunities in the field of Renewable Energy through the collaboration in each other’s country.

18.04.05 - SCGJ undertook following 3 skill Gap studies during the year:

1. Landscape of Green Jobs in India supported by JP Morgan Chase.
2. Green House Gas Accounting Guidelines.
3. Skill Gap in Green Hydrogen.

18.04.06 - CSR and Consultancy Projects: Dr. Saxena mentioned that SCGJ has completed 9 major CSR projects so far and is now implementing following projects:

1. UNDP Project on Green Electric Vehicle Charging Infrastructure and Solar Cold Storage:
2. Climate Policy Initiative (CPI) Funded Entrepreneurship development.
3. The World Bank Project towards introducing Vocational Education in Renewable Energy in Schools.
4. The GIZ assignment: for compiling a baseline desk study on the existing green skill development program in India
5. The GIZ assignment: to develop generic green skills modules for three logistics courses namely Shipping Management, Logistic Management and warehouse Management. CSR project from SBI Card : on Design, supply, erection, and commissioning of 300 kWp
6. Grid tied Solar PV plants at AIIMS Bhopal and Installation of 200 KW Solar Power Plant in PSSCIVE Campus, Bhopal.
7. The World Bank Project “Technical Support for Development of Skill training modules for India's National Green Hydrogen Mission”.
8. GIZ project on New & Innovative Solar Areas (NISA).

18.04.07 - Review and Development of Qualifications: The GC was informed that in the beginning of the year, SCGJ had 53 approved qualifications (22 qualifications in Solar domain, 6 in Wind, 12 qualifications in Bio Energy, 6 in Waste Management, 4 in Sustainable Practices and 1 in Small Hydro). These qualifications were reviewed and revised qualifications have been submitted for approval of NCVET. During 2023-24, 21 new qualifications, 2 Micro-credentials and 1 stand alone NOS have been developed and approved by NCVET relating to Green Hydrogen, Solar Energy, Bio-Energy and allied.

18.04.08 - Entrepreneurship program: SCGJ is now focusing on developing an Entrepreneurship program around all its major qualifications. Four 2 days physical training on Green Hydrogen Entrepreneurship were organized by SCGJ during the year 2023-24 with a total of 220 candidates in New Delhi and Ahmedabad.

18.04.09 - Progress in setting up of the International Academy of Green Energy (i-age): It was informed that the GC in its 17th Meeting held on 29th August, 2023 approved setting up of i-age. The work on this activity has been initiated and necessary preparation is under way. SCGJ has identified three technical people from Skill Council's staff to support the academy. SCGJ has identified a co working space at ETHEREA, Alphathum, Tower B, 18th Floor, Sector 90, Noida to start the work of i- age. It is likely that the space (about 1800 sq ft) will be available w.e.f 1st March, 2024. To start SCGJ will start the work of content development of its approved qualifications and also set up a lab for training the World skill competition candidates.

18.04.10 - World Skill 2024: SCGJ will be participating in the World Skills 2024 to be held at Lyon, France in September 2024 in the trades of Renewable Energy and Water technology. 5 medal holder candidates from National Competition in both sectors will be trained to short list one candidate to participate in the World Skills final at Lyon, France in September 2024.



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18.04.11 - Azadi Ka Amrit Mohotsav: SCGJ has been celebrating 'Azadi ka Amrit Mahotsav' by conducting a series of 100 webinars by eminent Speaker in diverse field/sectors so to enhance knowledge and learning and bring forth various development and innovation in Renewable Energy (RE) and waste management. The first webinar was organized on 24th September, 2021. 100 webinars were organized with 110 speakers and over 6000 participants. During 2023-24, 28 webinars were organized and the series concluded on 3rd November, 2023.

18.04.12 - Membership of SCGJ and MOUs with Industry: One of the most important activities undertaken during this period was to broaden the industry base of SCGJ and develop industry associates. Over 552 industry, mainly MSME were contacted and informed about the activities of SCGJ. Industries added this year to our Membership are 120 in number. SCGJ has so far signed MoUs / LoAs with 84 industry / organizations with a view to cooperate in its activities and also help in achieving placement of SCGJ certified candidates. During the year 12 more MOUs were signed.

18.04.13 - Apprenticeship Program by SCGJ: CEO SCGJ informed that National Apprenticeship Promotion Scheme (NAPS) is a scheme of GoI to provide financial support to establishments undertaking the apprenticeship training. Apprenticeship training is a course of training in an industry or establishment, under a contract of apprenticeship which consists of :- basic training component and on-the-job-training (OJT)/practical training at workplace. The program offers very good opportunities for the industry members to onboard apprentices. During the year 2023-24, SCGJ has facilitated NAPS contracts of 3138 candidates from 55 industries in 9 job roles. The ratio of female candidates vs male candidates is 28% of the total number.

18.04.14 - Trainings and Assessments: Dr. Saxena briefed the GC about the Short term and RPL trainings and certification conducted by SCGJ through its affiliated training partners and assessment agencies. It was informed that 542 candidates have been certified as trainers for all its sectors. SCGJ has empanelled 8 assessment agencies for carry out the future assessments and conducted Training of Assessor for 45 candidates. During the year, SCGJ has conducted assessment and certification in 5 State Missions. SCGJ has completed the RPL training of sanitation workers & solar PV helpers under the NIPUN project. The project was to train the construction workers and trainings were conducted at various construction sites. SCGJ has trained and certified 5491 recyclable waste collector & segregators, 5000 solar PV project helpers and 352 waste water treatment plant helpers.

18.04.15 - It was reported that during the Year SCGJ has provided training for 38,025 candidates through its affiliated training partners and certified 31,875 candidates. In cumulative terms, SCGJ, through its training partners, have trained 5.74 lakh candidates and certified 5.50 lakh candidates during last 8 years.

Comments from GC members:

18.04.16 - Mr. Sameer Gupta, Chairman mentioned that it is evident that a very good progress has been made over the years and I think skill council has been able to make a very positive impact on lives of people goes without saying. I would also add that very encouraging to see the focus Skill Council for Green Jobs are brought on future of energy including areas of hydrogen storage, desalination, electrolyzers, etc. A couple of points that come to my mind are we can take some consultancy projects also with industry because industry is looking for that kind of guidance and mentoring that might help us increase the connect and revenue both. Looking at what we have been reading on bio-CNG over last few months more particularly, I think that's again a huge potential industry, many industries are talking about making significant investments in this area. Again, that's a niche area. If Skill Council for Green Job can help the industry get into this space, I think there is an opportunity for us to work.

Dr. Parveen Dhamija Advisor SCGJ informed the GC that this year we could do training of about 1000 farmers for HPCL which has set up a bio-CNG plant in Budaun district. So, we have trained farmers in aggregation and storage so that the biomass supply chain is ensured plus we have two studies for pellets. We have done it for Indore and Bareilly and we have also made two qualifications for the entrepreneur pellet making and the technician pellet making. So, this is something we have done in the bio-CNG and the biomass sector.



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18.04.17 - Mr. Sunil Jain, co- chair SCGJ mentioned that It's an excellent journey so far by Skill Council for Green Job. He further mentioned that he is just wondering whether SCGJ is one of the largest skilling organizations for green jobs in the World.

18.04.18. - Prof. Arun Kumar, HRED, IIT Roorkee mentioned that faecal management is an important area and it touches the pupil. He enquired as to how SCGJ addresses this issue. Faecal sludge management is an area which is actually coming up in different corporations and in small scale, small sized towns with population of about 20,000 or so. People wait as a third party for NMC, etc. But how do you approach them for this training? This is a really complete neglect area for which our skill council has done so work. How you approach the people?

Dr. Praveen Saxena informed that SCGJ normally reach them through various municipal corporations. But this is a real area of concern because even municipal corporations do not recognize them as their workers. He further informed that SCGJ have been made Swachta Knowledge Partner by the Ministry of Housing and Urban Affairs for Swach Bharat Mission (Urban). There are 23 organization in the country which have been selected and SCGJ is one of them for imparting trainings. SCGJ is now authorized training providers on various aspects of waste management and sewage cleaning and other areas. we have a separate group of people who are working with us for these trainings and normally we approach through various municipal corporations.

Mr. Arpit Sharma, COO informed that we get in touch with the municipal corporations through personalized meetings with higher management in the municipal corporation and explain about the program and its benefits and how the assessment and certification would take place. So far, we have covered more than 300 municipal corporations across the country.

Mr. Arun Kumar mentioned that he will mention about this in his evaluation report and that the municipal corporation should take up skill council package for the training. This will be a good input. He further mentioned that NMCG or any government agency, they provide 8% incentive to the project authority, funds may not be problem. It is good that SCGJ has covered 300 corporations. Now smaller towns are also coming up and this activity may be expanded.

Dr. Praveen Saxena mentioned that Since SCGJ is now Swachta Knowledge Partner and we are authorized by government, Ministry of Housing and Urban, We can take it as a completely separate and very important vertical of Skill Council for Green Jobs.

18.04.19 - Mr. Sanjay Gupta, Jakson Group: Mr Sanjay Gupta thank the GC for inviting him to be part of the governing council. He appreciated the wonderful work done by the skill council in the last eight years. He mentioned that there are approximately 1.5 million engineering graduates on a yearly basis and the quality of education though good, but then when we're talking about what the industry wants and what is the skill set that these students have, there is a gap and generating funds is also an issue.

So can we tie up with some of these engineering institutions and probably have some sort of training as part of the curriculum itself which can be self-funded in a manner.

Dr. Praveen Saxena clarified that SCGJ do approach various engineering colleges. In fact, the recent national education policy gives these institutions a mandate that they should have some skilling activities. We are systematically doing that and either getting BVOC program introduced on various renewable energy and other areas or giving them some add on skilling courses. So, this has just started this year that colleges and schools are supposed to do some skilling. I hope this vertical would definitely become a very important vertical and we will have to move to various colleges and we will do that.

18.04.20 - Mr. Sameer Gupta, Chairman thanked the members for all the comments and suggestions. I think it will help us strengthen our agenda going forward. GC members are kindly requested to take note of the activities of last financial year.

18.04.21 - The suggestions made by the members and the performance of SCGJ during the year 2023-24 were noted.

## Agenda Item 18.05

Annual Accounts of SCGJ for the year 2023-24 and Budget for 2024-25.

18.05.01 - The status of accounts as on 31st January, 2024 was presented to members of the Governing Council.



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18.05.02 - The Governing Council was informed about the proposed activities of SCGJ during the year 2024-25. A brief on each item of revenue and expenditure was given. About 50,000 assessment are expected to be undertaken by the end of next year along with implementing some other key activities. During the year 2024-25, Rs. 880 lakhs are expected to be realised. Further Rs. 575 lakhs are estimated to be utilised as expenses across multiple activities including overheads, rents, courseware development, skill competition etc.

18.05.03 - Dr. Saxena mentioned that we have earned a revenue of about 6.34 crores and the expenditure has been more than that. It was 8.45. He further informed that lot of money has to come within this month and in March from various government organizations. So we are sure that our revenue would exceed the expenditure. We are expecting funds from the National Safai Karamchari Development Corporation, NSDC and SBI Cards SCGJ is quite confident that we will be in positive. The skill council is maintaining about 3.6 crore worth of FD's in case of any eventuality.

18.05.04 - The Chairman enquired about expected revenue and expenditure by the end of 31st March. It was clarified that we are expecting a revenue of about 9 crores by 31st March, 2024. Mr. Sunil Jain enquired that if the next year's budget include expenses for international Academy of Green Energy. Dr. Saxena mentioned that it is part of the total budget. The budget heads of rent, employ expense and day to day expenditure are shown in an integrated manner. We have not projected as a separate budget but as a composite budget of Skill Council for Green Jobs and I -AGE.

18.05.05 - The Governing Council noted the proposed activities and approved the Budget for the Year 2024 -25, as proposed.

## Agenda Item 18.06

Matters relating to Governance of SCGJ

Following SCGJ Governance issues are proposed for discussion in the meeting:

1. Taking over of Co-Chair Mr. Sunil Jain as Chairman of Skill Council for Green Jobs.
2. Induction of new members in the Governing Council of SCGJ.
3. Appointment of Mr. Arpit Sharma as CEO of SCGJ with effect from 10th June, 2024.
4. Resolution of adding signatures of new Chairman and Mr Arpit Sharma for operating SCGJ Bank Accounts.

1. Taking over of Co-Chair Mr. Sunil Jain as Chairman of Skill Council for Green Jobs.

18.06.01 - Mr. Sameer Gupta mentioned that since this item relates to Mr. Sunil Jan taking over as chairman of Skill Council for Green Jobs and he being the interested party, for this specific item, he would vacate the chair and would request Dr. Saxena to take up this item.

18.06.02 - Dr. Praveen Saxena explained the background of this agenda item to GC. He mentioned that Mr Sameer Gupta, CEO and MD Jakson Group took over as Chairman of SCGJ w.e.f 24th February, 2021 after unanimously elected by the GC in its 12th meeting held on 23rd February, 2021.

18.06.03 - In the 14th Governing Council Meeting held on 21st February, 2022, the GC resolved as follows:

"The tenure of Chairman, SCGJ would be Three Years, one year as Co-Chair and two years as Chairperson. The current Chairman would continue for 3 years i.e up to February 2024. A co-chair / Chairman (designate) may be appointed in February, 2023 who can take over as Chair in February 2024. This practice may continue in future as well. This way an exposé of 3 years would be to all future Chairpersons, one year as co-chair and two years as Chair."

In view of this, the Governing Council, in its 16th meeting held on 17th February, 2023, unanimously elected Mr. Sunil Jain as Co-chair of SCGJ for the year 2023-24.

18.06.04 - As per the decision of the GC mentioned above and completion of the tenure of Mr. Sameer Gupta, it is proposed that Mr. Sunil Jain may take over as Chairman SCGJ, for the period of two years.



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The proposal was seconded by Prof. Arun Kumar.

18.06.05 - The Governing Council approved the proposal of Mr. Sunil Jain taking over as Chairman SCGJ, for the period of two years.

18.06.06 - Dr. Praveen Saxena CEO SCGJ: On behalf of the entire Governing Council and the entire fraternity of Skill Council for Green Jobs, we would like to thank Mr. Sameer Gupta for guiding us for almost three years. Thank you very much, Sir. I would request Mr. Sunil Jain to say thanks to Mr. Sameer Gupta.

18.06.07 - Mr. Sunil Jain: "Good afternoon to everyone. With all humility, I accept as a chairman of Green Council, it's a huge responsibility on my shoulders, considering that two stalwarts over the period have guided this organization. Mr. Krishnan, whom we all know has done humongous work and then followed by Mr. Sameer Gupta, who has given his valuable time and suggestions over last three years. I know it is difficult to fill this gap, but at the end, I would definitely try and at least match up to the expectations of the council. Having said that, I must thank wholeheartedly Mr. Sameer Gupta for his guidance and his support to the council. I hope he will continue to guide us in years to come along with Mr. Krishnan. Thank you so much to all of you. Your suggestions on how we work together are always welcome. If somewhere we feel we have been not up to the mark, the council members must set the course in correction mode so that we don't go a larger distance with the wrong agenda. Thank you so much. I'll try to do my best when I take over as a chairman".

18.06.08 - Mr. K. Krishnan Funder Chairman SCGJ: " I just wanted to endorse the phenomenal work and guidance and leadership given by Mr. Sameer Gupta and of course Sunil, I'm sure you'll take it to greater heights and all the very best and looking forward to contributing in any way."

18.06.09 - Mr. Sameer Gupta " I must thank Dr. Saxena, Mr. Sunil Jain, Mr. Krishnan and all the GC members for your continued support to me. Without your support, without your guidance, I couldn't have played the role which I've been able to play and by the way, this was a great learning experience for me too. I do recall three years back when Mr. Krishnan called me and convinced me to take this role. I would specifically thank him for involving me because as I said, it has been a great journey for me also to learn. I'm very confident, I know Mr. Sunil Jan since many years now, maybe more than 8- 10 years. I'm confident that he's going to take this whole initiative at a much greater height. Hearty Congratulations to you, Sunil ji. Keep on working with you together for times to come."

## 2. Induction of new members in the Governing Council of SCGJ.

18.06.10 - Mr. Sameer Gupta, introduced the agenda item. He mentioned that following decision was taken by the GC in the 14th GC meeting held on 21st February, 2022 in relation to the tenure of the GC members: "Taking all the suggestions from members, it was decided that the GC members would have a tenure of 3 years with one year of extension and one year of cooling period before a re-elect. The principle of 33% turnaround per year may be adopted for the purpose of maintaining continuity".

18.06.11 - He further mentioned that in view of this, and maintaining the principle of 33% turnaround per year, the following 4 GC members who have completed 3 years of their tenure are proposed to be brought to the cooling period:

- i. i. Dr. A.K.Tripathi, former DG NISE
- ii. ii. Mr P Kanagavel, Director, NIWE
- iii. iii. Dr Poornaiya Sreenivasan, GM HR IREDA
- iv. iv. Mr Kacho Ahmad Khan, Director, KREDA

18.06.12 - In order to bring new GC members, SCGJ contacted following experts and industry members and invited them to be the GC members. They have kindly accepted the request:



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1. Mr. Raguram Arjunan, President, Sustainability & Energy Practitioners Association
2. Mr. Japen Gor, Project Director , Heemsol Energy System Private Limited
3. Dr. Omkar Jani, President & CTO, Reliance New Solar Energy Limited
4. Mr. Bhavik Trivedi, Managing Director, TUV Rheinland India
5. Mr. Ramesh Shivanna, Managing Director, Pride Group , Founding President, Karnataka Renewable Energy System Manufacturer Association (KRESMA)
6. Mr. Rajan Varshney, DGM( New-Initiatives), NTPC , New Delhi
7. Mr. Sanjay Gupta, Chief Business Officer, Jakson Group of Industries
8. Mr. Jitendra Routray, Head CSR Renew Power,

It was proposed that the GC may approve induction of above members as GC members.

18.06.13 - The GC approved the above proposal and induction of above members in the GC with immediate effect.

18.06.14 - Mr. Sameer Gupta thanked the GC and congratulated all the new incoming members. I'm very confident that your guidance to the council will help Skill Council for Green Jobs achieve lot bigger heights in times to come.

3. Appointment of Mr. Arpit Sharma as CEO of SCGJ with effect from 10th June, 2024.

18.06.15 - The Governing Council was informed that following decision was taken by the GC in the 14th GC meeting held on 21st February, 2022.

Extract from the Minutes of 14th GC meeting held on 21st February, 2022

14.08.33 in view of the inputs received, I propose that we have a position of Chief Operating officer (COO). This may be advertised after about 15 days of the minutes of GC are circulated. This would take care of the comments by the members on minutes, if any. We will be extensively advertising the position in print & digital media and on MSDE, NSDC and SSC Websites. We will give 3 weeks' time to candidates to apply and adopt all best practices. We will have high standards and take care of all the inputs received from GC members today in the selection of COO. Once we appoint the COO, he can shadow current CEO, Dr. Saxena for one or two years. This will also take care of the suggestion made by Mr Sunil Jain to age could be 65 years plus 3 years. Dr. Saxena is founder CEO as well. Till a suitable COO is selected, I would suggest Dr. Saxena should continue. We cannot have disruption at this stage, that is what I strongly feel.

14.08.36 In conclusion, the Chairman mentioned that the Ministry wants retirement age of CEO as 65 years. Specific to our sector, as sentiments of members were coming, the COO should be less than 60 years or even younger. The GC wants that Dr Saxena should continue as CEO for at least 2 years after joining of COO. This will help in a smooth transition in these technically challenging times in our sector and help in achieving the National Targets. "

18.06.16 - The decision of the GC was implemented and after following the due process outlined above, Mr. Arpit Sharma was selected as COO on 8th June, 2022 by a duly constituted selection committee. Mr. Sharma was appointed as COO, SCGJ by the Chairman, SCGJ on 10th June, 2022.

18.06.17 - Mr. Arpit Sharma, will complete 2 years as COO in SCGJ on 9th June, 2024. It is proposed that he will be appointed as CEO of SCGJ by the Chairman, SCGJ w.e.f forenoon of 10th June, 2024. Dr. Saxena will superannuate from the position of CEO SCGJ in the afternoon of 9th June, 2024.

18.06.18 - Summarising the agenda item, Mr. Sameer Gupta, Chairman mentioned that Mr. Arpit Sharma was appointed as COO on 10th June 2022. He has been deeply involved in the system working as COO and as he steps into new role of CEO, we accept him to cover many more milestones of Skill Council for Green Jobs. He has interacted with Arpit a few times in person and otherwise. Hearty congratulations to you in advance for taking over as CEO from 10th June 2024.



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Dr. Praveen Saxena shall superannuate from position of CEO with effect from 9th June 2024. . I take this opportunity on behalf of Skill Council of Green Job to thank Dr. Praveen Saxena who has been a key pillar and founder CEO of this council, without him we would have not been able to achieve what we are today.

By the way, before joining Skill Council for Green Job, Dr. Saxena has done several hats for Government of India in areas of policy formulation, national strategies, planning and coordination and forging bilateral collaborations. His contribution to the good work done can never be forgot by Skill Council for Green Job. I'm sure new CEO will carry forward and further broaden the path of Skill Council for Green Jobs.

18.06.19 - Mr. Sameer Gupta requested the Governing Council to approve appointment of Mr. Arpit Sharma as CEO w.e.f 10th June 2024 and superannuation of Dr. Praveen Saxena with effect from 9th June 2024.

18.06.20 - The proposal for approval was moved by Prof. Arun Kumar and unanimously approved by The Governing Council to appoint Mr. Arpit Sharma as CEO of SCGJ w.e.f 10th June 2024

4. Resolution of adding signatures of Mr. Sunil Jain, the new Chairman and Mr Arpit Sharma for operating SCGJ Bank Accounts.

18.06.21 - The Chairman requested the GC to resolution for adding signature of new chairman and CEO (designate) for banking operations. Accordingly, governing council is requested to resolve that the signatures of Mr. Sunil Jain, new Chairman, and Mr. Arpit Sharma, be added in banking Operations of Skill Council for Green Jobs. The agenda item was approved.

18.06.22 - The Governing Council resolved that the signature of Mr. Sunil Jain and Mr. Arpit Sharma may be added in the bank accounts of SCGJ for the banking Operations of Skill Council for Green Jobs.

Mr. Sameer Gupta thanked all the GC members for giving approval on all the four important topics and for their continued support and guidance.

18.06.23 - Mr. Sunil Jain: let me place on record the great work done by Dr. Saxena and I'm sure in some form or the other he will always continue to guide the council probably or mentor the council in times to come. I am wishing Arpit all the best. Arpit is doing a great job and I'm sure he will take this work even to new scale as the world moves towards new technology. My sincere thanks to the new team. Thank you, Dr. Saxena.

Mr. Arpit Sharma: Thank you. Thank you so much Sameer sir and Saxena sir, thank you so very much for immensely supporting me and guiding me and giving me all the required directions to be what I am today. So, thank you so very much.

## 18.07 - Any other Matter Matters raised by GC members

18.07.01 - Mr. Bhavik Trivedi thanked the GC for inviting him as GC member and mentioned that he is looking forward to work with Mr. Jain and Mr. Arpit. He further mentioned that the GC has decided that there'll be four governing council meetings in a year. He suggested that out of that four, if one can be a physical meeting, which will go a long way. It will lead to better understanding and meaning full exchange of ideas.

18.07.02 - Mr. Sameer Gupta concurred the suggestion. Dr. Saxena informed that SCGJ earlier used to have all GC meetings in physical format. What was done that the GC and AGM we combined in the month of August or September. So, if everybody agrees, we can have a Governing council and Annual General meeting in physical mode in Delhi in August or September.

18.07.03 - Mr. JC Mistry welcomed the proposal of one physical meeting in the month of August or September at Delhi. He further added that the meeting in person would help in exchanging lot of thoughts.



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18.07.04 - Dr. Raghuram Arjuna thanked Mr. Sameer Gupta, Dr. Saxena, Mr. Sunil Jain and M. Arpit Sharma for inviting him to the GC. He mentioned that SCGJ is doing a wonderful job on all the aspects. For last eight years he is keenly watching also collaborated with SCGJ. He suggested that SCGJ may also conduct job fairs, green job fair or sustainable job fairs across India, also in locations like northeast, south and west. This will create more mileage for getting more sustainable jobs for students. He further mentioned that he will write like what sort of jobs and how it will be useful for the student's community.

Dr. Praveen Saxena thanked Dr. Arjuna and mentioned that SCGJ will definitely take care of that. He further added that Skill Council for Green Jobs do participate in various job mela's and job fairs organized by NSDC. It is actually a combined effort where all sector skill councils participate depending on which location it is. SCGJ participates in at least five to six job mela's every year.

18.07.05 - Mr. Omkar Jani thanked the Skill Council, Dr. Saxena, Mr. Arpit for inviting him to the governing council. He mentioned that he has been associated with SCGJ since inception of the council starting from the rooftop installation trainings. Now they move into manufacturing and hope to give his very best to the council.

Dr. Saxena thanked Mr Omkar for his continued support from the very beginning of SCGJ. It is SCGJ honour that industry like Adani, Jakson, Renew and Reliance are associated with the Skill Council for Green Jobs.

Mr. Sameer Gupta thanked every one for the continued support for SCGJ.

**The meeting ended with vote of thanks to the chair.**



# Minutes of 19<sup>th</sup> Governing Council Meeting

The Nineteenth Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.30 am on 20th May, 2024, under the Chairmanship of Mr. Sunil Jain, Founder Partner, Sundev Renewables, through video conferencing.

2. Following GC Members were present in the meeting:

1. Mr. Sunil Jain, Founder Partner, Sundev Renewables in Chair
2. Mr. A K Tripathi, Advisor, MNRE
3. Mr. Rishikesh Patankar, Nominee, NSDC
4. Mr. K Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ
5. Mr. O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association Treasurer
6. Mr. Himal Tewari, Chief - Tata Power Skill Development Institute
7. Mr. Abhimanyu Sahu, Director Marketing, Schnieder Electric India Foundation
8. Mr. Subrahmanyam Pulipaka, CEO, National Solar Energy Federation of India
9. Mr. Abhinav Mahajan, Director, Integrated Batteries Pvt. Ltd.
10. Mr. Raguram Arjunan, President, Sustainability & Energy Practitioners Association (SEPA)
11. Mr. Premashis Mitra, PHDCCI
12. Mr. Japen Gor, Project Director, Heemsol Energy System Private Limited
13. Dr. Omkar Jani, President & CTO, Reliance New Solar Energy Limited
14. Mr. Ramesh Shivanna, Managing Director, Pride Group, Founding President
15. Mr. Rajan Varshney, DGM (New-Initiatives), NTPC, New Delhi
16. Mr. Sanjay Gupta, Chief Business Officer, Jakson Group of Industries
17. Mr. Jitendra Routray, Head CSR Renew.
18. Dr P. Saxena, CEO, Skill Council for Green Jobs - Member Secretary

Also present:

1. Mr. Arpit Sharma, COO, Skill Council for Green Jobs
2. Ms. Sangeeta Patra, Vice President – Marketing and Partnerships, SCGJ
3. Mr. Deepak Rai, Vice President – Standards and Research, SCGJ
4. Mr. Ajit Kumar Samanta, General Manager - Finance & Accounts

3. At the outset, Mr. Sunil Jain, Chairman, SCGJ welcomed the Governing Council members to the 19th meeting of the Governing Council meeting of SCGJ and sincerely appreciated everyone for sparing their valuable time.

Welcome and opening remarks by the Chairman

4. The Chairman mentioned that he has been associated with Skill Council for Green Jobs for the past few years and also as co-chair during 2023-24. He welcomed all the members as a chairman of the Skill Council for Green Jobs thanked all for joining this meeting and hoped to have engaging discussion on how we can take this sector forward, how we can create more jobs, which is one of the pressing agendas He further mentioned that this year, there has been a major change in the composition of the GC as number of members completed their three-year term. The 18<sup>th</sup> Governing Council had inducted eight new industry members and we also have a new nomination from NSDC and Tata Power. He formally welcomed the new members by name and introduced them to the other GC members.

5. The Chairman started the meeting by stating that the government has set up an ambitious target to become Net Zero by 2070. Over the last couple of years, a number of sectors have accelerated investments into the green energy, and that is going to help us achieve the objectives. Technology and availability of skill manpower are going to be critical success factors for achieving the goal. There is a strong support from the government and there is a great amount of optimism, even in the industry, where round the clock, carbon-free power is going to become reality much sooner than later. Transition of green energy, especially for a target of 500 GW up till 2030, would not be achieved if there is not enough focus on skilled manpower.



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6. While referring to the work done by the council, he mentioned that SCGJ has skilled close to 5.8 Lakh people which is a remarkable work being done by the team for the last eight years. It has developed key critical qualifications in emerging areas. But it is never enough as technology changes so frequently. Significant challenges are being faced for skilled manpower, just not in manufacturing sector, but also in project development, project execution, and project management. Addressing this gap is going to be the critical aspect of our strategy so that we can meet the demand. Therefore, it is not only that the government and the skill councils have to invest, it is also the equal duty of the industry to invest into the long-term objectives of human resource, which is key to success of this sector.

7. Mr. Jain further mentioned as we decarbonize the economy, we have all known that there are some hard to abate sectors, especially steel, cement, ammonia, fertilizers, and there's a long list of chemicals which have not been addressed just by the renewable sector. There is a new buzz for green hydrogen, green ammonia, and the derivatives of same like e-methanol and all. This being a new area, availability of not only skilled manpower, but also the trainers for the skilled manpower are not available. This is a scarce resource across the world. Even though we have people who have been doing this business for hundreds of years for grey hydrogen, now we need to focus on green hydrogen, this will contribute to India's aim to become an atmanirbhar through clean energy, and it will be an inspiration mission for the global clean energy transition.

8. Mr. Sunil Jain mentioned that the Green Hydrogen Mission is definitely going to lead us to a significant decarbonization of the economy and reduce dependence on fossil fuels in ports. Therefore, India needs to take a leadership role in green hydrogen and derivatives. The biggest green hydrogen conference in Rotterdam was held very recently and the Indian team was led by the Secretary of MNRE, who pitched very hard for India as a global hub for green hydrogen. This shows the support government is willing to give for this new upcoming sector and the Skill Council to see how we can upgrade the skills, reskill the people who are handling in grey sector to create huge opportunities in this sector.

9. He said that Skilling means that one, you create new initiative, new jobs, when your skill new people, right from a student from 12th class to a graduate or an ITI. But then our job is not only to skill new people, we need to reskill people so that they are deployed much faster than scaling the new people. So, we have to do both of them and balance in the end. And therefore, it is very important that Skill Council takes this initiative while promoting domestic industries and enterprises. While accelerating the development of the skill ecosystem, India can ensure an effective supply of talent to support green growth.

10. Skill Council is going to complete a decade next year. In just 10 years, SCGJ have created an infrastructure which is emerging as one of the largest not-to-profit organization in scaling for green jobs. Although Skill Council for Green Jobs activities are linked to some of the key missions which have been floated by the Government of India, including Hydrogen Mission, National Solar Mission, Make in India, Atma Nirbhar Bharat, Swachh Bharat Mission. Therefore, it is important that we start having inter sector discussions with other skill councils, where we can provide the services to create a pool of talent. The other sector councils also look for a pool of talent, because they also have to decarbonize. Therefore, it is important that we interact with the inter sector councils also.

11. Further he expressed that the Green Jobs councils have accumulated experience in all stages of training, design and delivery, performing skill gap analysis, is occupational mapping, development and qualification based on industry requirements. We have been fast developing a strong industry connect on the three work streams, renewable energy, environment, forest, and climate change. Sustainable development covering the entire gamut of green businesses in the country. SCGJ have so far developed 79 nationally approved qualification across various subdomains, along with the courseware and training content. We have a network of 615 Affiliated Training Institution Centre, along with 4,000 trainees. Till date, the training partners have imparted around 5,80,000 trainings, including approximately 1,20,000 certifications, solar and other. Our vision is that the shift to clean energy in India will result in around 35 million new jobs by 2047, which means that we have got approximately 22 years, and we will be creating almost 1.2 million jobs every year. It may not be a linear scale, but I'm just trying to give you an idea of what is the scale we have in hand. So, the idea is that the industry and skill council have to go hand in hand if we deliver what targets we have in our hand, create new center for excellence across India, and create new affiliates who can deliver quality skills.



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12. One challenge which we will face is how to train the trainers, especially in upcoming sectors like green hydrogen, green ammonia, e-methanol, etc. and also, the technology is evolving very fast. The use of artificial intelligence, the use of new technology like drones and other sectors. This is going to be interlinked with our scaling for the special green job. In green energy, we have started using a lot of technology and therefore, it is important that our people who get skilled in green job are also aligned to the new technologies which are going to be used in future.

13. The Chairman once again, welcomed all the present GC members and requested Dr. Saxena, CEO to take on the agenda and also present the last three months' progress. He further informed to the GC members that Dr. Saxena would be superannuating after illustrious career with Skill Council on 10th of June and Mr. Arpit Sharma, will be taking over as CEO from Dr. Saxena. So, this probably would be Dr. Saxena's one of the last governing council meetings as a CEO. I'm sure he will not so easily leave us, and we will be getting the benefit of his wisdom, which he has gathered over so many years in times to come.

14. Thanking the Chairman and GC members Dr. Saxena mentioned that he would always be available whenever he is required.

After the opening remarks, the Chairman started with the formal agenda of the meeting.

## Agenda Item 19.01

To confirm Minutes of the Eighteenth Governing Council Meeting of SCGJ held on 12th February, 2024

19.01.01 - It was informed that the minutes of the Eighteenth Governing Council of SCGJ held 12th February, 2024 were circulated to all members. No comments were received from the Members. GC was requested to confirm the minutes.

19.01.02 The Minutes of the Eighteenth Governing Council Meeting of SCGJ held on 12th February, 2024 were noted and confirmed.

## Agenda Item 19.02

Action Taken Report on the decisions of Eighteenth GC meeting

19.02.01 - Action Taken report was presented by CEO, SCGJ. Detailed action taken by SCGJ against each item, as reported in the agenda papers, were presented and noted by the members.

19.02.02 - While reporting the action taken, Dr. Saxena mentioned that it has been that the next meeting of governing council and AGM, which is expected to be held in August and September, would be a physical meeting. The Chairman requested all the governing council members to participate in the meeting and SCGJ will give sufficient notice for the meeting.

19.02.03 - The council noted action taken on the action points of the Eighteenth Governing Council meeting and approved the action taken by SCGJ.

## Agenda Item 19.03

To review and approve the Statutory Compliance report.

19.03.01 - It was reported that all statutory requirements are consistently followed. Further, SCGJ has been filing the returns and have no defaults. SCGJ has got certificate for minimum deduction of TDS from Income tax department, as skill councils are exempted.



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19.03.02 - CEO mentioned that as suggested by the Chairman we would also include if we have received any complaints from any of our training partners or any of the organizations. We intend that from next governing council onward, we will include an item or a column saying that whether we have received any complaint, and if so, then what action we have taken on that. We will be doing that from the next governing council.

19.03.03 The Chairman mentioned that this is for governing council members. As council members, we should be aware that what type of complaints we do get, and therefore, members should be aware and what remedial measures are being taken by the council, because that's important area for council to know. Although they are very far and few, maybe one or two, but still.

The GC reviewed and approved the Statutory Compliance report of SCGJ.

## Agenda Item 19.04

Performance of SCGJ during February – May 2024

19.04.01 - Dr. Saxena informed the GC members that a very detailed presentation on the activities of SCGJ was made in the last Governing Council. In view of this It is proposed to give a brief idea of what we have done in the last year, and give in detail what has been done in last three months. In the last three months, SCGJ has focused on green hydrogen activities because that was the requirement coming from Ministry of New and Renewable Energy, as well as Ministry of Skill Development. He informed that Secretary, Ministry of Skill Development is member of an Empire Powered Committee, Chaired by the Cabinet Secretary. It was decided by MSDE that four skill councils namely Skill Council for Green Jobs, Hydrocarbon Sector Skill Council, Logistics Sector Skill Council, and Power Sector Skill Council will be participating in manpower development in green hydrogen. SCGJ is coordinating this effort.

19.04.02 - During this period, SCGJ and ICF has completed a skill gap assessment study across the entire value chain of Green Hydrogen with the financial support of USAID. The report was released by Hon'ble Minister of Skill Development on 14th March, 2024. Mr. Sunil Jain, SCGJ had a detailed discussion with Hon'ble Minister and Secretary as to how we go about developing skilled manpower in the green hydrogen sector and in general in the green energy sector. During in this period, SCGJ has developed four new qualifications on green hydrogen. With this we have total 10 approved qualification in green hydrogen, covering starting from technician, entrepreneurship, junior technicians for electrolyzers for all four components. We have developed six material content for six qualifications, participation handbook as well as facilitator guide. We also have started work on e-learning content.

19.04.03 - SCGJ has so far organized 3 TOT programs and 2 TOMT programs. In total SCGJ has certified 14 Master trainers and 27 trainers on various qualifications in Green Hydrogen. SCGJ has conducted a total of 9 batches of trainings on Green Hydrogen Plant Technician, level 4 ( 2 batches) and Green Hydrogen Entrepreneur, Level 5 ( 7 batches). A total of 312 candidates have been upskilled and certified. SCGJ had organized a Master Class on "Design, Production and Utilization of Green Hydrogen" The lectures and talks were delivered by industry members of SCGJ. Two technical officers of SCGJ participated in the IGEF-SO and the International Power-to-X Hub a 8-day comprehensive Train-of-Trainers (ToT) programme on Renewable Power-to-X (PtX) .

19.04.04 - Following this, Dr. Saxena informed the GC about other activities of SCGJ. He mentioned that SCGJ has an online training aggregation platform, a job portal and a Green India Portal. SCGJ is the only awarding body of NCVET in the green energy space. SCGJ had done about 100 webinars of which videos are available on our website. SCGJ is part of World Bank WePower program where we are emphasizing on women training in green energy space, and we are a strategic alliance with German industries for manpower deployment.

19.04.05 - SCGJ had completed two skill gap studies, one on landscape of green jobs over different sectors and greenhouse gas accounting. The study on GHG accounting has resulted in a qualification and also an online training program. We had continued with our various activities, including GIZ engagement.



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We did a study on how logistics sector can be made green. SCGJ is now picking up various sector as to how a greening component can be introduced on those sectors and substructures. The council is implementing a CSR project of SBI cards where we are setting up solar projects and also skilling manpower in two hospitals. We have done a work with World Bank, developing five qualifications on green hydrogen and also the training material.

19.04.06 - SCGJ have a total of 79 approved qualifications, 21 new qualifications, and two micro credentials were developed during this year itself. During this quarter, we have developed five new qualifications, and all these qualifications are available on National Portal called Skill India Digital Portal, sir. We are working on entrepreneurship. We have done three programs on green hydrogen entrepreneurship.

19.04.07 - The Governing Council had approved setting up of International Academy for Green Energy, a technical wing of Skill Council for Green Jobs. We have moved to a co-working space. Four people are working there, and the team is led by Mr. Mukul Saxena, who was with Tata Power earlier. And we have started developing contents. Two books have been written. The Manpower is fully trained now, and they are now moving towards online training programs. The GHG Accounting program, has been launched today by IAGE. We are also rolling out an online program on fundamental of green hydrogen online program.

19.04.08 - Dr Saxena informed that apprenticeship is becoming a very important activity with SCGJ. We have nine job roles on which apprenticeship is provided. We have done about 5,000 plus three candidates under the National Apprenticeship Program, and of this, about 28 % are women candidates. SCGJ has been participating in various events regularly. This quarter, the main was CEO participated in Landscape Assessment of Skill Development by USAID. SCGJ is actively participating in the 'Project Surya,' is a unique energy inclusion initiative, underway in rural Gujarat to help women from the informal sectors to leapfrog into the modern clean energy industry. This programme is being implemented by the UNEP & SEWA.

19.04.09 - SCGJ have done a total training of 583,000 candidates and certified 5 57,000 candidates. 492 TOT candidates have been done in this quarter. 41 candidates were trained under this program of assessors, and we have affiliated 280 new centers. About 8,000 trainings have been done in this quarter.

Comments from GC members:

19.04.10 - Mr. Jitendra Routray mentioned that Renew is associated with UNEP and SEWA for implementing a project aimed at training young women belonging to the families of salt pan workers from the Rann of Kutch in solar power technologies to help them transition from traditional energy sources to renewable energy and new livelihood opportunities. The pilot will see around 1000 salt pan workers being trained as solar panel and solar pump technicians across SEWA training centers facilities in the state with technical training being provided under the aegis of Skill Council for Green Jobs.

19.04.11 - Mr. Ramesh Shivanna appreciated the work done by SCGJ. Referring about jobs in solar sector and SCGJ job portal mentioned that solar manufacturing is increasing in the country and a lot of skilling is required and suggested that SCGJ should have a very strong collaboration with industry and it should be a continuous process. There is a lot of attrition in the industry. SCGJ should have more involvement in this process. Once we have a continuous process of placement from the skill council itself, all the industry will be collaborated with SCGJ and we will be able to provide all the trained, skilled people to this industry. The aspect of continuous attrition can be addressed from skill council and have a very good collaboration with the industry. There could be trainings plus the placement strategy.

Dr. Praveen Saxena clarified that we were so far focusing on installations and people required for the larger size project. We have already developed four qualifications which are relating to manufacturing of modules and also one for cell making. He further mentioned that there is a need of better and close collaboration as far as trainings are concerned in the manufacturing sector. Not only this, we have to also look at hydrogen manufacturing activity also. We will be beefing up our effort in this direction. SCGJ would like have one on one interaction with Mr. Shivanna for a more detailed discussion.

Ms. Sangeeta Patra, VP, SCGJ requested all the members to post their requirement of manpower on SCGJ job portal. This will help us to further understand the requirement of industry. This is required for SCGJ to facilitate connection of industry with ITI and other organizations.



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The suggestions made by the members and the performance of SCGJ during the year 2023-24 and during February – May, 2024 were noted.

## Agenda Item 19.05

Discussion on strategy for skill development for Hydrogen derivatives and biofuels. Observations of GC members

19.05.01 - Mr. Japen Gor mentioned that PM, Surya Ghar Yojana has been launched and there is good vacancy for the trained workforce and we need to train more manpower. He suggested that we must have an agenda and a plan to step up trainings on this area of work. We must have course contents for delivering the trainings for particularly these aspects, It will be good for the country and for all the people who are going to be involved in this segment.

Mr. Sunil Jain mentioned that it is a matter of scale because rooftop trading has already been done for so many years. Pradhan Mantri Suryodaya Yojana is more to do with rooftop. We would need scale for that. The rooftop training is available in the Skill Council for many years but we must plan scale up of this as suggested by Mr. Gor.

19.05.02 - Mr. Sanjay Gupta appreciated the work done by SCGJ in past years. He mentioned that SCGJ has created an online job portal as well as a training aggregator portal. But unfortunately the awareness of both these in the industry, is very limited which needs to be and can be increased. Another thing is most of the industry people, they are looking for candidates either through references or through LinkedIn. Now, if the online job portal, if there can be any an API for the IT people can work on it, if there can be some integration with the jobs which are being put on LinkedIn, some AI can be used or somehow it can be correlated, it would really help because expecting each industry to post the jobs across cross various portals is very difficult.

REC has come out today that they require 100,000 people to be trained for this project to be implemented. It would also require training of 50,000 vendors. Now, if Skill Council, in some way can assist, and I'm sure funds would be available even from companies like REC, so it will be a win- win situation for the country as well as for Skill Council.

With regard to green hydrogen and derivatives. The skills required for that particular sector, it's still an upcoming sector. So the number of people available in the market for training the trainers would be very little. There are a handful of companies who are working in this field. The industry-specific companies, I'm sure Jakson would also be able to help. If we have those specific companies, we can approach them to lend a few of their technical people for training the trainers so we can create a larger pool for green hydrogen ecosystem.

The chairman supported the suggestion and mentioned that SCGJ and other SSCs have been talking to all the oil and gas companies and the fertilization company, whoever have some trained manpower, handling hydrogen production and utilisation. They have substantial experience in handling gases, They have been doing some training courses in-house, and we should take their services to train the trainers.

19.05.03 - Mr. Himlal Tewari, Tata Power mentioned that Tata Power and Tata Power Skill Development Institute have been working very closely with SCGJ and I have always found Dr. Saxena a great support and the way that he has partnered with us including the work that we're currently doing with green hydrogen. He wished Dr. Saxena very best. He further mentioned that it is important as to how we partner for the PM Suryodaya Yojana, which is a big part of execution and is coming up for in the next couple of years. I think that is something that we can work together and look at how can we build scalability across the country, because that's a huge part coming up straight away for all of us.

Dr. Praveen Saxena thanked Mr Tewari and mentioned that as for as Suryodaya Yojana is concerned, we are regularly in touch with MNRE and worked with them on the strategy for trained workforce. We will have to rely on our training partners, including TPSDI for this. We will get back to you on this as soon as MNRE scheme is coming out and we know how they are planning.



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We have given our proposal to them and also the training delivery plans as to how we are going to do this. So both Ministry of Skill Development and MNRE are going to join hands because it's going to be a huge number, and we will keep the GC informed about it.

19.05.04 - Mr. Ramesh Shivanna mentioned that he has noticed development of Centres of Excellency centres. I also observed a lot of developers and even the now large manufacturers are doing a lot of CSR activity. If skill council can reach out them and we can setup the COE using CSR funds. We can also consider developing COEs region-wise or every state.

Dr. Praveen Saxena mentioned that SCGJ will look forward for our GC members for CSR funds, and they would be really of great help to all of us.

19.05.05 - Mr. Omkar Jani, Reliance New Solar appreciated the work done by SCGJ in last 9 years or so in the field of Solar and solar installations, as Reliance, we are now actually, and I'm sure a lot of other manufacturers are also facing a lot of shortage of manufacturing technicians and operators, and this is something I was actually going to get in touch with you a few weeks ago. Nevertheless, I will get in touch with SCGJ in the coming weeks. We are internally also trying to line up how to address this. And if we are facing the shortage, I'm pretty sure a lot of other industries are also facing the shortage, especially those who have applied for PLIs for manufacturing. So, this is, again, a sector I just wanted to bring to your notice and record that might need some handhold. We do have some ideas and We look forward to working with SCGJ.

Dr. Praveen Saxena mentioned that this is one area where we also want to explore, and probably this would require a close industry interaction. May be apprenticeship can play a very important role as manufacturing is concerned. We will definitely discuss about it and maybe come back with a very specific proposal.

Following this Mr. Sunil Jain, Chairman SCGJ requested Mr.K. Krishnan to say a few words because he has been associated with SCGJ and Dr. Saxena for a very long time.

19.05.06 - Mr. K Krishan in his remarks mentioned that SCGJ has seen transformation with the times. It first started with the Paris Agreement in 2015, which was the base formation of SCGJ. Then in 2020, , during the COVID, it brought SEMS, the E-Management Learning Systems. Now we're giving this push to green hydrogen and started with online trainings. One of the most important things that remains always very be vigilant and as a young entrepreneur organization, keep evolving itself. I'm disappointed with the limited support received from CSR. We do look forward to industry members exploring how they can support in that. As SCGJ, we have a centre of Excellence for Green Economy and Sustainability. With that, we have tied up with a global network of charities companies, which has a connection with over 300 corporates in India. So, there is an effort being made to tap CSR, but ultimately this demand coming from job creation is the real driver. So I hope with Green Hydrogen and the rooftop programs, a lot more should happen. And under the able leadership of Mr. Sunil Jain, I'm sure that this will be a very great year.

19.05.07 - The suggestions made by the members on the subject were noted.

15. Mr. K.Krishan founder Chairman SCGJ : Mentioning about the tenure of Dr. Saxena, Mr. K Krishan mentioned that he has been such a remarkable leader. Apart from the achievements, the aspect of how he has built up such a committed team. It is amazing. One is, of course, the relationship with the ministries, relationship with MSDE, NSDC, various state government, but also the It's a very ebullient team. I think a lot of credit goes for his leadership in that.

Dr. Praveen Saxena Thanked Mr K.Krishan, the founder Chairman of SCGJ for his unconditional support and invaluable guidance in running the office of SCGJ.

16. Mr. Sunil Jain, Chairman SCGJ expressed that On behalf of all the council members, Dr. Saxena, we express our gratitude. Thanks to you for leading the Skill Council to this level. I'm sure Skill Council, the base has been established. We are well poised for growth and partnering in the scaling for green jobs so that the country can be decarbonized. Really appreciate all your efforts over the last decade.

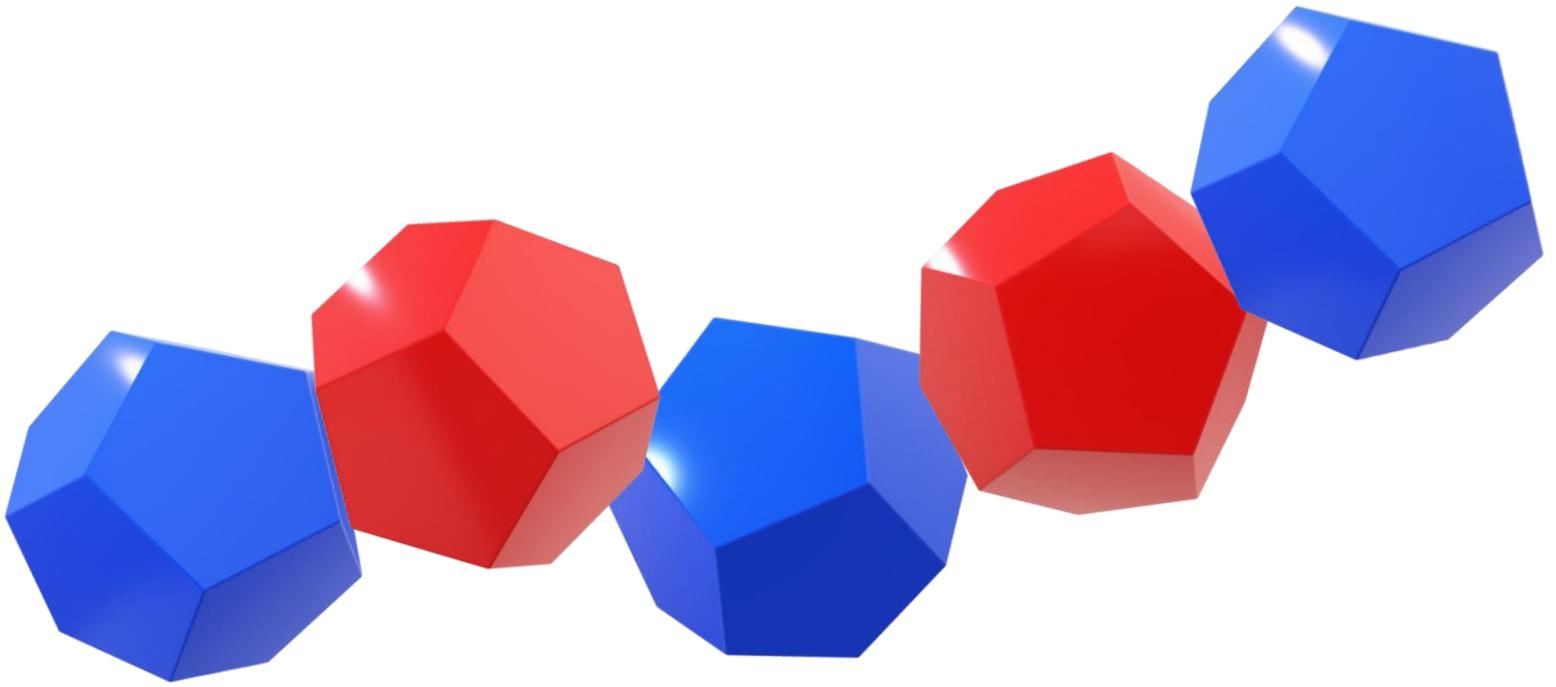


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17. With the permission of the Chair, Mr. Arpit Sharma, the CEO designate thank the GC for entrusting this responsibility on him and to take over the CEO, SCGJ. I would also like to thank all the GC members, the new ones, the old ones who have always been guiding me. And not in the last, I would like to thank Dr. Saxena for always guiding me, mentoring me from day one when I joined this Council and making me so able that today I have been given this responsibility to lead the organization. Thank you so much from my side, sir. Thank you very much, once again, sir.

**The meeting ended with vote of thanks to the chair.**





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