



Skill Council for Green Jobs **Annual Report**

2021-2022

India@75



SCGJ JOURNEY
@2015 - 2022



SCGJ's thematic alignment with SDGs



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Message from the Chairman

Vision of SCGJ

Mr. Sameer Gupta

Chairman, Skill Council for Green Jobs



I am happy that we are gradually coming out of the grip of COVID. India's economy is getting back on track and poised to rebound sharply after Covid pandemic dampened the growth. In that context, business confidence score has increased substantially across manufacturing and service sector and it is also seen in the Budget of 2022-23, there has been a huge focus on infrastructure and finance sector which is going to further accelerate the growth of the economy.

The Global energy landscape is transforming and India has also made rapid stride in renewable energy making India as the third largest renewable energy market. Speaking at the 26th Conference of Parties (COP-26) in Glasgow, our Prime Minister announced that India will achieve net-zero emissions by 2070.

The PM has also announced that India will raise its non-fossil energy capacity to 500 GW by 2030 while meeting 50 per cent of its energy demand through renewables. India has also committed to reducing 1 billion tonnes of projected emissions from now till 2030 and achieving carbon intensity reduction of 45 per cent over 2005 levels by 2030.

Skilling is key for India to meet its revised ambitious target and there lies a huge opportunity for SCGJ. Very recently the Policy on Green Hydrogen was launched which will facilitate India's transition to a low carbon economy. SCGJ team has done a commendable job even during these testing times and a strong foundation for future has been created through successful designing and implementing various skilling interventions including virtual trainings, strengthening industry connect, job portal development, preparations for the World Skills which is Scheduled to be held in Oct 2022. A lot of focus has been given across all these important aspects by SCGJ team during this year.



Message from the CEO's Desk

Vision of SCGJ

Dr. Praveen Saxena

Chief Executive Officer, Skill Council for Green Jobs



At the outset, I would like to welcome Mr. Arpit Sharma, who has joined us as the Chief Executive officer of Skill Council for Green Jobs. Mr. Sharma has been with us since inception of SCGJ and was holding the position of Vice President, Strategy and operations. He is MBA from Institute of Marketing & Management (IMM), New Delhi and last year completed Executive Management Program in Advance Strategic Management from IIM Kozhikode. I heartily welcome Mr Arpit Sharma.

I am also happy to share that Skill Council for Green Jobs has been recognised as the Awarding Body of National Council for Vocational Education and Training,(NCVET), the apex regulator in the space of vocational education.

During the year 2021-2022, SCGJ continued with its efforts to consolidate and strengthen its technical capabilities and review of qualifications and training materials. Quality training and developing qualifications for new thematic areas with many bilateral and multilateral institutions like GIZ, UNDP, FCDO and USAID is continued. SCGJ is taking initiatives on skill development to promote green hydrogen and air pollution control in the Country. Recently SCGJ secured two assignments, one from The World Bank and second from UNDP. The World Bank project is on "Researching solutions for Preparing Schools for Vocational Education in Solar Energy" This project aims to undertake research, identify possible solutions and recommend possible innovations to strengthen the design and delivery of vocational skills in Renewable energy for children aged 15 -18 years (Class 9-12) across Schools. This would open new opportunities of skilling in schools as per new National Education Policy. The UNDP project envisages creation of 04 new qualifications on solar cold storage and solar EV charging stations and training of 1000 candidates on these qualifications.

In the first quarter of FY 2022-23, SCGJ conducted most of the trainings in market mode and some trainings with State Missions. Our activities for online training on Solar water pumping technologies for participants from 8 member countries of ISA have been completed successfully. Our efforts for promotion of learning continues through the series of webinars on the occasion of "Azadi Ka Amrit Mahotsav" covering various topics in Renewable Energy, Sustainable Development, waste management, waste to fuel etc. The webinar series was launched on 24th September,2021 by the Chairman SCGJ and so far 42webinars have been organized.

I am also proud to inform that SCGJ is continuing to prepare candidates for the WorldSkills Competition 2022 Special Edition which is now being held in Kyoto, Japan. SCGJ has selected one candidates out of around 1000 candidates in Renewable Trade after their three selection tests conducted by their Master Trainers through both Online and Offline assessments.

Message from the COO

Vision of SCGJ

Mr. Arpit Sharma

Chief Operating Officer, Skill Council for Green Jobs



The Global energy landscape is transforming and India has also made rapid stride in renewable energy making India as the third largest renewable energy market. Hon'ble Prime Minister has announced that India will achieve net-zero emissions by 2070. The PM has also announced that India will raise its non-fossil energy capacity to 500 GW by 2030 while meeting 50 per cent of its energy demand through renewables. India has also committed to reducing 1 billion tonnes of projected emissions from now till 2030 and achieving carbon intensity reduction of 45 per cent over 2005 levels by 2030.

Skilling is key for India to meet its revised ambitious target and there lies a huge opportunity for SCGJ. Very recently the Policy on Green Hydrogen was launched which will facilitate India's transition to a low carbon economy. Decarbonization of all important sectors is very important to achieve net zero emission status and brings huge skilling and upskilling opportunities.

Skill Council for Green Jobs with its strong industry connect and partnerships with stakeholders is moving forward to meet the skilling needs for both service users and manufacturers/ service providers in multiple cross cutting sectors and implement a roadmap for a nation-wide, industry led collaborative skills and entrepreneur development initiatives that will enable meet India's potential for "Green Businesses".





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 | 31st 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.

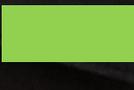
SCGJ has been a pioneer organization playing an instrumental role in facilitating the skilled workforce demand of the country to achieve Green Transition, boost Green Business and Sustainable Development Goals.





Skill Council for Green Jobs

Green Jobs Propelling Green Growth



Introduction

India is working towards a low carbon emission pathway while simultaneously endeavoring to meet all the developmental challenges. Our Nationally Determined Contribution (NDC) are taking forward the Prime Minister's vision of a sustainable lifestyle and climate justice to protect the poor and vulnerable from adverse impacts of climate change. The India's NDC centre around policies and programmes on promotion of clean energy, especially renewable energy, enhancement of energy efficiency, development of less carbon intensive and resilient urban centres among others.

We, as country, are now working towards "Making India Energy Independent" before the completion of 100 years of independence. (Year 2047). Hon'ble Prime Minister, in his address from the Red Fort on 75th Independence Day mentioned as follows:



“ Environmental security is getting the same importance in the world as national security. Today India is a vibrant voice of environmental security, whether it is biodiversity or land neutrality, climate change or waste recycling, organic farming or biogas, energy conservation or clean energy transition. India's efforts in environment are giving results today. Increase in forest cover, number of national parks, increase in number of tigers and Asiatic lions are a matter of happiness for the countrymen.

Among all these successes one truth needs to be understood. India is not yet energy independent. India today spends more than 12 lakh crore rupees annually for importing energy. For India's progress and to build a self-reliant India, India's energy independence is the need of the hour! Therefore today, India has to make a resolution to make India energy independent before the completion of 100 years of independence and our roadmap is very clear for the same. It should be a gas based economy. There should be a network of CNG & PNG across the country. There should be a target of 20 percent ethanol blending. India is moving ahead with a set goal. India has also made a move towards Electric Mobility and the work on 100% electrification of Railways is also progressing at a fast pace. Indian Railways has set a target of becoming Net Zero Carbon Emitter by 2030. Besides these efforts, the country is also emphasizing on Mission Circular Economy. Our Vehicle Scrap Policy is a great example of the same. Today, India is the only country in the group of G-20 countries, which is moving fast towards achieving its climate goals.

Introduction

India has set a target of 450 GW of renewable energy by the end of this decade - 450 GW by 2030. Of this, the target of 100 GW has been achieved by India ahead of schedule. These efforts are also instilling confidence in the world. The formation of the International Solar Alliance on the Global State is a great example of the same.

Of every effort being made by India today, the thing that is going to help India with a quantum leap in terms of climate is the field of Green Hydrogen. To achieve the goal of Green Hydrogen, I am announcing the National Hydrogen Mission today with this tricolour as a witness. We have to make India a Global Hub for Green Hydrogen Production and Export in the 'Amrit Kaal'. This will not only help India to make a new progress in the field of energy self-reliance but will also become a new inspiration for Clean Energy Transition all over the world. New opportunities from Green Growth to Green Job are opening up today for our start-ups & youth.

On Waste and Water Management Hon'ble Prime Minister mentioned

Our country has initiated a campaign of water conservation, so it is our duty to include saving water in our habits. If the country is emphasizing on digital transactions, then it is also our duty to do minimum cash transactions. The country has started the campaign of Local for Vocal, so it is our duty to buy as many local products as possible. To strengthen our vision of a plastic-free India of the country, it is our duty to completely stop the use of single use plastic. It is our duty not to throw dirt in our rivers, keep our sea shores clean. We also have to take the Swachh Bharat Mission to another new level. ”



To summarise, Hon'ble Prime Minister has given target to the Nation

- ❖ To make India energy independent before the completion of 100 years of independence. (Year 2047).
- ❖ There should be a network of CNG & PNG across the country. There should be a target of 20 percent ethanol blending (in petrol/diesel).
- ❖ The country is also emphasizing on Mission Circular Economy.
- ❖ India has set a target of 450 GW of renewable energy by the end of this decade - 450 GW by 2030.
- ❖ Announcing the National Hydrogen Mission today.
- ❖ Make India a Global Hub for Green Hydrogen Production and Export during next 25 years.
- ❖ Move towards Clean Energy Transition.
- ❖ New opportunities from Green Growth to Green Job are opening up today for our start-ups & youth.
- ❖ Campaign of water conservation.
- ❖ Plastic-free India, completely stop the use of single use plastic.
- ❖ To take the Swachh Bharat Mission to another new level.

Hon'ble PM in COP 26 (Nov. '21)

At the Glasgow summit, Hon'ble Prime Minister announced that India will attain net zero emissions by 2070, to combat climate change. He also announced that India will raise its non-fossil energy capacity to 500 GW by 2030 while meeting 50% of its energy demand from renewable sources, and cut its carbon emissions by a billion tonnes by the same year.

India's five-point climate action plan, which PM Narendra Modi described as "Panchamrit (five values)", is set to give a **firm push to India's plans for an accelerated transition to a low carbon economy.**

India's ambitious renewable energy targets of 450 GW by 2030 are expected to create a surge of investments in the sector, representing an important opportunity for job creation. It is estimated that based on the Indian government's pledge under the Paris Agreement to scale up renewables, net employment (measured in full-time employees) will increase by an additional 30% by 2030. And the ILO forecasts that India's shift to a green economy could add 3 million jobs in the renewables sector alone by 2030. Such massive changes in the economy will require building skills to take advantage of new job opportunities.

Hon'ble PM on 15th August 2021



Environment and Renewable Energy

- ❖ Make India energy independent before the completion of 100 years of independence (Year 2047).
- ❖ The country is also emphasizing on Mission Circular Economy.
- ❖ There should be a network of CNG & PNG across the country. There should be a target of 20 percent ethanol blending (in petrol / diesel).
- ❖ India has set a target of 450 GW of renewable energy by the end of this decade - 500 GW non fossil energy by 2030.
- ❖ Announced the National Hydrogen Mission.
- ❖ Make India a Global Hub for Green Hydrogen Production and Export during next 25 years.
- ❖ Move towards Clean Energy Transition.



Waste and Water Management

- ❖ Campaign of water conservation.
- ❖ Plastic-free India, completely stop the use of single use plastic.
- ❖ To take the Swachh Bharat Mission to another new level.



PANCHAMITRA at COP 26

India's five-point climate action plan, which PM Narendra Modi described as "Panchamitra (five values)", is set to give a firm push to India's plans for an accelerated transition to a low carbon economy.

- 01 Achieve the target of net-zero by 2070
- 02 50% of energy requirements to be met through RE by 2030
- 03 Emissions intensity of GDP to be reduced by 45% by 2030
- 04 Reduce 1 Billion tonne of Carbon Emissions by 2030
- 05 Non-fossil energy capacity to reach 500 GW by 2030



New opportunities from Green Growth to Green Jobs are opening up today for our start-ups & youth.

**Hon'ble Prime Minister
Shri. Narendra Modi**
on 15th August 2021

Introduction

Skill Council for Green Jobs (SCGJ) was established in October 2015 under the aegis of Ministry of Skill Development and Entrepreneurship, Government of India to address skilled manpower requirement for the emerging climate resilient technologies and India’s commitment to United Nations Framework Convention on Climate change (UNFCCC). Promoted by the Ministry of New and Renewable Energy and Confederation of Indian Industry, SCGJ was set up as a not-for-profit, autonomous, and industry-led organisation with a mandate to design and implement a wide range of capacity building and skilling interventions.



SCGJ is one of the first few Sector Skill Councils to have been formally recognized as an “Awarding Body” by the National Council for Vocational Education and Training (NCVET) recently. SCGJ’s activities are linked to some of the key schemes and missions of the Government of India including the National Solar Mission, Make in India, Atmanirbhar Bharat, Swachh Bharat Mission, etc. and has been closely interacting with Central Ministries including Ministry of New and Renewable Energy (MNRE), Ministry of Environment Forest and Climate Change (MoEFCC) , Ministry of Housing and Urban Affairs (MoHUA) , Ministry of Jal Shakti etc., in addition to Skill Missions of various states SCGJ aims to identify the skilling needs of service users as well as manufacturers and service providers in clean energy sectors, and implement nation-wide, industry-led, collaborative skills development and entrepreneurial development initiatives to support India’s potential for “green businesses”. In line with the National Education Policy 2020 of India, SCGJ is now working towards introducing vocational education in Green Business sectors in Schools, Universities and Engineering institutions.

SCGJ’s key activities encompass all stages of training design and delivery including, performing skills gap analysis, occupational mapping, development of qualifications based on industry requirements, affiliating suitable training partners and assessment agencies, training for trainers and assessors, training and certification of candidates in various subsectors supported with creation of centres of excellence, improving industry linkages in all sub-sectors, undertaking consultancy assignments and implementing externally sponsored projects.

SCGJ has a focus on developing a strong industry connect on three work streams – renewable energy; environment, forest and climate change; and sustainable development covering the entire gamut of “Green Businesses” in the country. In this context, SCGJ accords prime focus to strengthening industry connect, perform demand aggregation, identification, development & validation of qualifications along with their training content and e-learning modules. SCGJ has so far, developed 44 nationally (NSQC) approved qualifications across various sub domains (e.g. Renewable energy, waste management etc) along with their courseware and training content. It has a network of over 400 affiliated training institutions / centres along with over 4000 Trainers and assessors across the country, to deliver trainings across green business domain.

Till date, SCGJ through its training partners has imparted training to over 504,000 trainees including over 100,000 trainees, in solar and other renewable energy domain. In addition, SCGJ has also developed an E learning management system through which virtual trainings of over 4000 candidates have been undertaken. With the support from International Solar Alliance (ISA), SCGJ has also undertaken trainings of over 1300 stakeholder from 82 ISA member countries across various aspects of solar energy. SCGJ has also implemented a range of corporate social responsibility (CSR) supported project, including on Simultaneous Intervention of Renewable Energy Systems and Skilling for Smart Model Villages, a project adopted by the President of India to create ‘smart villages’ in the state of Haryana through expanded access to clean energy and skilling. Moreover, under a project with IT company HCL, SCGJ has designed and developed training modules and implemented trainings on solid waste management best practices, health & hygiene and communications skills, to over 4000 field staff of Noida Authority. In other areas, as part of workforce mapping exercises, SCGJ has partnered with Council on Energy, Environment and Water (CEEW) and Natural Resources Defense Council (NRDC) to undertake annual review of jobs and skilling in Indian Solar and wind energy industry.

Key Sectors covered under SCGJ

01

Renewable Energy

-  Solar PV & Solar Thermal
-  Wind
-  Hydro
-  Energy Storage
-  Biomass Power/Cogen + CHP / - Waste to Energy
-  Clean Cook-Stoves
-  Biofuels & Biogas - Compressed Biogas / Bio CNG

02

Environment, Forest and Climate Change

-  Solid Waste Management
 - Municipal
 - Agriculture & Animal Husbandry
-  Water Management
 - Sewage treatment
 - Rain Water Harvesting & Micro-irrigation
-  E-Waste Management
-  Carbon Sinks
 - TBO-Oil Seeds
 - Agro-Forestry + Plantation

03

Sustainable Development

-  Green Construction
 - Green Buildings
 - Green Campuses
-  Green Transportation
 - Electric Vehicles
 - Biofuels
 - Bio-CNG
-  Pollution Prevention & Control
-  H₂ Green Hydrogen
-  Energy Storage

SCGJ has also organized various regional and national skilling competitions and participated in World Skills Competitions wherein its trained candidate who represented “Team India” got the Gold Medal in “Water Technology” during the last edition of World Skills Competition held at Kazan, Russia in 2019. SCGJ has also trained the candidates in select categories who would represent India in the World Skills 2022. SCGJ’s industry-led skilling programmes are designed to include advanced technological interventions that are harmonized with industry standards and requirements. As part of these efforts, SCGJ partners with key national institutions and industry to leverage their expertise and strengths in various subsectors.

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 7 500 certified trainers.

Achievements of SCGJ



SCGJ Goal and Vision 2047

Renewable Energy Projections by 2047

-  **1,125 GW**
Installed RE Capacity
-  **50 GW¹**
Equipment Manufacturing Capacity
-  **2.5 bn. tonnes²**
Emissions Averted
-  **67%³**
Share of RE in Electricity Generation
-  **₹ 50-60 Lakh Cr.⁴**
Total Investment
-  **Top 1000 Corporations⁵**
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 CO₂ emissions factor of 0.8 kg/kWh, annual CO₂ 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.



 सत्यमेव जयते	<p>MINISTRY OF SKILL DEVELOPMENT AND ENTREPRENEURSHIP</p>	 सत्यमेव जयते	<p>MINISTRY OF NEW AND RENEWABLE ENERGY</p>
 सत्यमेव जयते	<p>MINISTRY OF POWER</p>	 सत्यमेव जयते	 <p>National Institute of Solar Energy Autonomous Institute under Ministry of New and Renewable Energy Government of India.</p>
 सत्यमेव जयते	<p>MINISTRY OF SOCIAL JUSTICE AND EMPOWERMENT</p>	 <p>N.S.D.C. National Skill Development Corporation Transforming the skill landscape</p>	 <p>NATIONAL INSTITUTE OF WIND ENERGY नीचे NIWE</p>

Industry Associations in GC

 Confederation of Indian Industry 125 Years - Since 1895	 your link to electricity	 INDIAN WIND TURBINE MANUFACTURERS ASSOCIATION	 FINER Federation of Industry & Commerce of North Eastern Region
 PHD CHAMBER OF COMMERCE AND INDUSTRY	 <p>Climate Parliament</p>	 EMPOWERING PEOPLE BY NATURE	 <p>भारतीय प्रौद्योगिकी संस्थान रुड़की Indian Institute of Technology Roorkee</p>
 नीचे NIWE	 <p>इरेडा IREDA</p>	 <p>National Institute of Solar Energy Autonomous Institute under Ministry of New and Renewable Energy Government of India.</p>	

Industry in GC

	 TRANSFORMING ENERGY	 Capture Value Creation	 No. 1 in Modern Energy	 POWERING A GREENER TOMORROW
 Fuel Forever				 Anant Urja Srot...
		 RISING TOGETHER	 planet positive power	 TECHNOLOGY WE LIVE

Activities of SCGJ during 2021- 2022

The Year at a Glance

The year 2021- 22 remained a consolidation year, strengthening SCGJ technical capabilities and review of qualifications and training materials. However, with the restrictions on classroom trainings, SCGJ adopted E Learning through launching SCGJ E Learning Management System and delivered various online courses and virtual trainings which included multiple trainings on various themes in solar in three languages for 1300 trainees from 82 Inter National Solar Alliance (ISA) member countries. SCGJ has also developed two Greening NOSs which are being adopted by all SSCs for the QPs development. Further, SCGJ has developed courseware for effectively incorporating greening attributes across all job roles, which would further contribute towards “Net Zero” emissions targets.

It is to report that since its inception in Oct 2015, SCGJ has developed (and subsequently revised) 44 NSQC approved Qualification Packs (QPs) also referred as “Qualifications” or “Job Roles” across key thematic areas including solar PV segment, wind energy, small hydro, waste and waste- water management, clean cookstove, other green jobs areas etc on which cumulatively over 5,04,000 (over Five lakh) candidates have been certified so far. Majority of the candidates have been trained in waste & water-management job roles (over 4 lakhs) along with various solar job roles (over 1 lakh). For the latter, majority of the trainings have been done on Solar Installer (Suryamitra) job role (Over 80,000) which is a flagship solar training program of the Ministry of New and Renewable Energy (MNRE), and is also implemented under “Pradhan Mantri Kaushal Vikas Yojana (PMKVY)” the flagship skilling scheme of the Ministry of Skill Development & Entrepreneurship (MSDE). In addition to technical aspects of solar PV system installation and O&M, Suryamitras are also trained on entrepreneurial aspects to improve their skills and overall employability.

SCGJ is continuing to bring 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 as a part of the Azadi ka Amrit Mahotsav. In year 2021-22, SCGJ conducted 20 webinars and so far 42 webinars have been organized. It has its own e-learning portal, where SCGJ training partners and experts announce and deliver online short trainings. The portal also helps in taking assessments and issue certificates. SCGJ has a new Green Job portal where both Industry and Candidates has interface to indicate job opportunities and availability of qualified candidates.

World Skills International is the largest skill competition in the world, organized once every two years in one of the member countries. The competition is held over a span of four days. Being the global hub for skills excellence and development, World Skills brings youth, industries, and educators together to give youth the chance to compete, experience, and learn how to become the best in their skill of choice. From the traditional trades to multi skilled technology careers in the industry and service sectors, supported by partners, industries, governments, volunteers, and educational Institutions, World Skills vision is to improve the world through the power of skills. World Skills International has announced Renewable Energy as a new skill to be introduced in World Skills 2022. Skill Council for Green Jobs (has been assigned the responsibilities of coordination and facilitation of selecting the final team for participation at World Skills 2022. In order to prepare the candidates, SCGJ organized foundation course on Renewable Energy with the enrollment of 160 candidates. Candidates were selected for Regional level skill competition held in Chandigarh and Visakhapatnam. SCGJ selected 11 candidates in Renewable energy and 9 for Water technology at National Level Skill Competition which was held in Delhi in January 2022.

During the year, two Governing Council meetings and one AGM was held. The 13th GC and 6th AGM of SCGJ was held virtually on 21st September 2021 and it was suggested by the Committee that a cell may be initiated or deputed an expert for identifying skilling requirements on innovative technologies like green hydrogen, as India has huge potential to reap good dividends by moving to hydrogen economy as well as battery storage and EV which is also a big focus area for the industry and provides great opportunities for skilling.

The 14th GC meeting of SCGJ was held virtually on 21st February 2022 under the Chairmanship of Mr. Sameer Gupta, CMD, Jakson Group through video conferencing. It was mentioned that support from institutions like National Institute of Wind Energy, Alternate Hydro Energy Centre IIT Roorkee etc., will be very critical for the preparation of the candidates as their competencies and skills are tested across a range of aspects in solar, wind, bioenergy and small hydro power.

Activities of SCGJ during 2021- 2022

SCGJ mission is to capture the skilling needs for both service users and manufacturers/ service providers within the sector and implement a roadmap for a nation-wide, industry led collaborative skills development initiatives that will enable meet India’s potential for “Green Businesses”. The key objective of SCGJ is to create a robust and vibrant ecosystem for quality training and skill development in the Green Job Sector in the country.

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

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

Skill Gap Studies

Skill Council for Green Jobs has carried out Skill Gap study for all its subsectors. For Renewable Energy, skill gap study was first carried out during 2016-17. It was revisited in April 2019 in coloration with CEEW and NRDC. The Waste Management, Green Construction, carbon sinks, clean cooking skill gap studies were undertaken in the year 2017. Following this almost every year, skill gap studies are undertaken on new and upcoming technologies and technical areas. During the year 2021-22 following studies have been taken up:

- ✓ Review of RE skill gap in view of the revised targets set by MNRE in the renewable Energy.
- ✓ Study on Landscape of Green Jobs in India with the objective to advance green jobs in the Country- Funded by M/s J P Morgan under CSR Initiative.

CSR and Consultancy Projects

SCGJ has been implementing various consultancy and CSR projects since 2016-17. Among the organizations supporting SCGJ in expanded its activities by giving CSR projects include President’s Secretariate, IREDA, REC Foundation, HCL Foundation, SBI Cards, in the area of Renewable Energy and skilling for Green Jobs Sectors. During the 2021-22, SCGJ has received CSR Project funded by SBI Card on Design, supply, erection, and commissioning of 120 kWp Grid tied Solar PV plants at government hospitals in Delhi. As a part of the project, SCGJ installed 120 KWp grid tied solar power plant installed on Pt. Madan Mohan Malviya Hospital, Malviya Nagar, Delhi during 2021-22.

Further, SBI Cards have recently sanctioned one more project for Design, supply, erection and commissioning of 450 kWp Grid tied Solar PV plant in Civil Hospital, Gurugram (150 kWp) and Government College for Girls, Sector 14(300 kWp) in Gurugram, Haryana. SCGJ will also provide skilling and maintenance assistance during the project period.

Activities of SCGJ during 2021- 2022

SCGJ has implemented IRISE project supported by GIZ to improve PV rooftop installation quality through Up-skilling Indian solar installers (certified Suryamitras) through conducting 10 days training batch. One of the key objectives of the project is to upskill 1500 “certified suryamitras” through 30 training partners.

Most recently, the World Bank has awarded a project titled “Researching solutions for Preparing Schools for Vocational Education in Solar Energy” to the Skill Council for Green Jobs (SCGJ). The project aims to undertake research, identify possible solutions and recommend possible innovations to strengthen the design and delivery of vocational skills in Renewable energy (with a focus on Solar Energy), for children aged 15 -18 years (Class 9-12) across Government Schools in Gujarat.

United Nations Development Programme (UNDP) has recently awarded Skill Council for Green Jobs (SCGJ) a project titled ‘Development of 4 nos. of qualification packs and Skilling 1000 persons on Green Electric Vehicle Charging Infrastructure and Solar Cold Storage’. The project aims to train and certify 1000 trainees across 5 qualifications including on PV Installer (Suryamitra) along with Basic and Advanced job role(s) in Solar cold storage and Solar based EV charging infrastructure. The project is also supporting development of 4 qualifications including an advanced and basic qualification for both Solar cold storage and Solar EV charging infrastructure on which cumulatively 700 trainees will be trained and certified across select locations.

Professional Development Activity

Skill Council for Green Jobs gives special emphasis on the professional development of its certified trainers and inhouse professionals. As part of the continuous professional development, SCGJ routinely undertakes various learning activities for both its staff members and various other stakeholders in the skilling ecosystem to develop and enhance their abilities. Such interventions also ensures that both academic and vocational qualifications of the concerned individual do not become obsolete, allowing them to continually up-skill or re-skill and develop their proficiencies as per the requirements of the industry/market, with regards to their age and educational level. SCGJ staff members are also encouraged to apply for various professional development courses (including online) and regularly participate in a range of industry conferences, events, training workshops, e-learning programmes, and multiple ideation sessions. Actively pursuing professional development through multiple avenues ensures that knowledge and skills of SCGJ staff stay relevant and up to date with the industry/domain requirements. It also allows employees to be more aware of changing trends and directions in the cross-cutting sector.

Building capacities for strengthening Air quality management in India

Under the National Knowledge Network(NKN), an advisory body has been set-up by the Ministry of Environment, Forest & Climate Change/ Central Pollution Control Board to support the implementation of the National Clean Air Programme (NCAP) with the support of the World Bank. The goal of this project is to develop a roadmap for the capacity building in the Air Quality Management sector aligned with the National Skills Qualification Framework of India.

Under this project International Forum for Environment, Sustainability & Technology (iFOREST) in collaboration with SCGJ conducted a two-day workshop with the objective of building local technical capacities for creating a large institutional support structure for the successful implementation of the national plan.

Air Quality Progress Report (AQPR) is an indicator-based annual publication being prepared by UNEP in collaboration with Central Pollution Control Board (CPCB), to highlight the current status of air pollution in India at the national and sub-national levels; give an overview of all the initiatives, plans and programs being implemented for air quality management within India; identify and quantifying list of broader impacts as a result of air pollution on environment, humans and development; and give recommendations to strengthen the existing initiatives, programs and their implementation.

Activities of SCGJ during 2021- 2022

SCGJ is actively participating in this effort with a view to understand the skill workforce required in the effort of Air Quality Action Forum (AQAF) and develop national qualification in this sector. In this regard a report has been prepared on 'Jobs for Clean Air in India'. This report would form basis to develop various qualifications in this sector. This would open a new area of skill development and entrepreneurship.



The SCGJ has been actively working towards achieving Annual Business Plan targets. It fulfils all infrastructural requirements and Governance methodology. Overall annual achievements in terms of numbers are summarized below:

S.No	Activity during 2021-22	Achievement 31.3.2022
1	GC Meetings Periodicity	2
2	News Letter	4
3	Total Trainers Certified in FY 21-22	67
4	Total Assessors Certified in FY 21-22	28
5	Total QPs Rationalized /Reviewed in FY 21-22	20
6	Total Trainer Manuals Created during FY 21-22	2
7	Total Assessments during PMKVY-STT during FY 21-22	788
8	Total Assessments during PMKVY-RPL during FY 21-22	6486
9	Total Assessments during other GoI Schemes during FY 21-22	9059
10	Total Assessments during State Government Schemes during FY 21-22	2008
11	Total Assessments during Non -Government Schemes during FY 21-22	826
12	Total Assessments during 2021-22	18,913
13	Cumulative Training and Certification so far	5,04,756

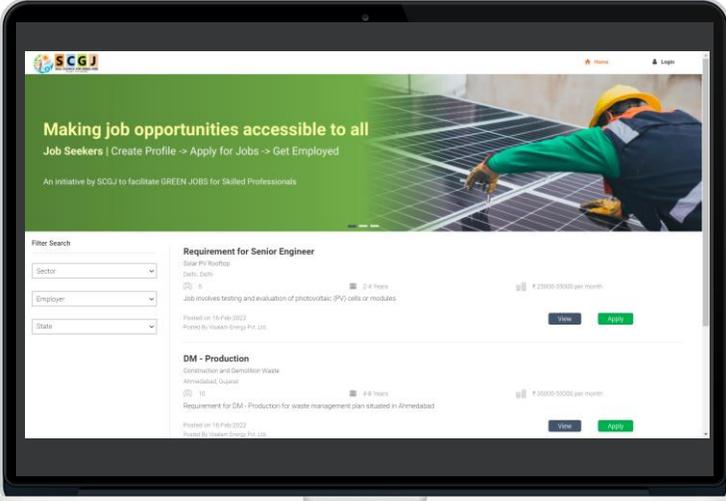
Activities of SCGJ during 2021- 2022

SCGJ Rozgar Portal (<https://www.scgjrozgar.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



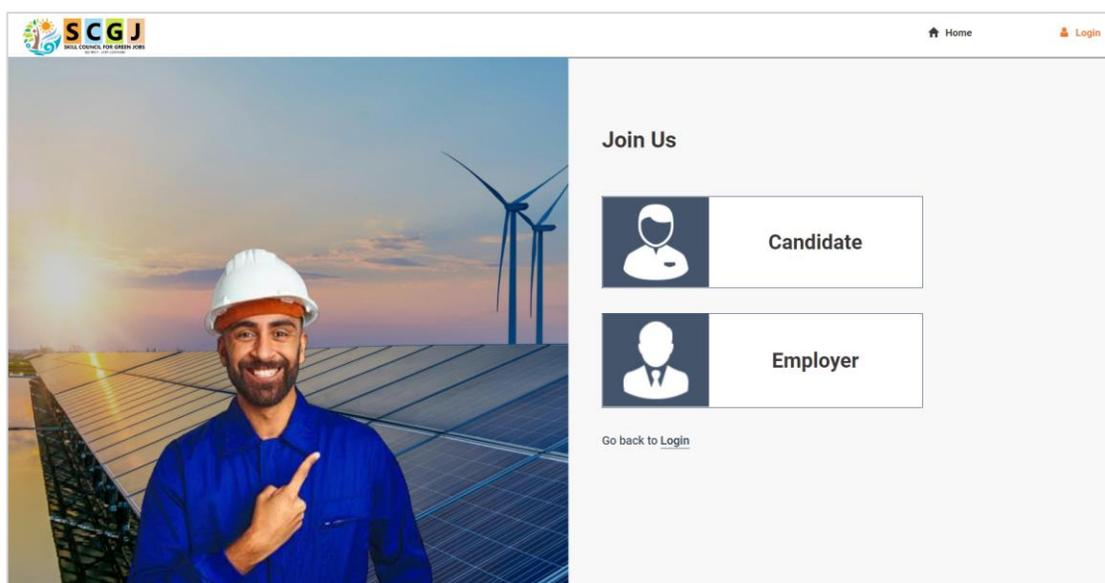
CANDIDATE
Provides job opportunities to skilled workforce in green energy sector



SCGJ ADMIN
Interventions in skill development activities to meet industry needs



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




Scan to know more about
SCGJ Rozgar Portal

Activities of SCGJ during 2021- 2022

Entrepreneurship Development Activity

SCGJ is developing an Entrepreneurship program around all its major qualifications including solar energy, solar power projects, solar water pumping, waste management etc.

To start this effort, a two days physical training on Solar Rooftop Entrepreneurship was organized by SCGJ on March 7-8 2022 at its in house training facility in New Delhi. The training event was organized through the support of Climate Policy Initiative. The training program was designed to provide a thorough understanding of the solar PV rooftop market to entrepreneurs who wish to venture into the solar sector. It had a focus on delivering important insights on solar rooftop technology, policies, financing, regulations, market along with various compliances to start and run a successful solar rooftop business. The training was delivered by SCGJ Master Trainers along with various experts and representatives from industry, financial institutions etc to provide detailed information on how to create and run a successful enterprise in solar rooftop space.

Over 25 candidates successfully attended the training. A similar 2 days physical training in coordination with Institute of Solar Power Technologies and Vocational Training (ISPTVT) was organised on 26-27 March 2022 at Central Power Training Institute, Hyderabad.

Various speakers and representatives from Telangana Southern Power Distribution Company Limited, The Khadi and Village Industries Commission (KVIC) and industry together with SCGJ Master Trainer delivered the training which was attended by 13 candidates.



Activities of SCGJ during 2021- 2022

Advocacy

SCGJ participated in the following prominent Skill related and Green Businesses related Events during 2021-22

S.N.	Webinar/ Virtual Meeting/ Workshops	Date
1.	Webinar- "Clean Cooking Systems Strategy Update: Emerging Initiatives and Invitation for Action" Clean Cooking Alliance	May 25 th 2021
2.	Talk: 'Swachh Bharat Mission 2.0: Importance of Faecal Sludge and Septage Management' ICCW-IIT Madras	May 28 th 2021
3	Webinar: Knowledge Session- Decentralized Green Hydrogen Production Indo German Forum	June 2 nd 2021
4	Focused Group Discussion: Focus Group Virtual Meeting on development of Qualification Pack on Bio-CNG production, FCDO, UK and KPMG	June 2 nd 2021
5	Online event: "Impact of COVID-19 on Achievement of Sustainable Development Goals" FICCI	June 5 th 2021
6	Online Workshop: "Incentive Mechanisms for CETPs in India" Under Indo German Development Cooperation project, Sustainable and Environment-friendly Industrial Production II (SEIP II) GOPA Infra GmbH	June 10 th 2021
7	Webinar: Water Centric Community Stakeholder Management ASSOCHAM	June 15 th 2021
8	Research Seminar: Impact of COVID-19 on Skilling, Upskilling and Reskilling in Enterprises International Labour Organization	June 28 th 2021
9	Virtual Conference: Women in Renewable Energy and Sustainability International Solar Alliance	July 07 th 2021
10	Digital Ceremony: World Youth Skills Day: Sanctioning of 76 new Jan Shikshan Sansthan (JSS) to further strengthen skill development Ministry of Skill Development and Entrepreneurship	July 15 th 2021
11	Webinar: Transitioning to Clean Cooking Session #5: Cost-Benefit Analyses of Clean Cooking Policies and Interventions Clean Cooking Alliance	July 21 st 2021
12	Online workshop: "CETP Compendium" Under Indo German Development Cooperation project, Sustainable and Environment-friendly Industrial Production II (SEIP II) GOPA Infra GmbH	July 23 rd 2021
13	Webinar: Energy Performance Contracting: ESCO opportunities and Challenges in Hospitality Industry ASSOCHAM GEM Green Building Council	July 28 th 2021
14	Discussion: Building a Climate Ready Indian State: Institutions for Transformative Low-Carbon Governance CPR Initiative on Climate, Energy and Environment	July 30 th 2021
15	Webinar: Taking a second look at Biowaste: Circular Economy in Africa AFRICER Team Eco Amet Solutions, Ghana	July 31 st 2021
16	Webinar: The Road to Cleaner Emissions Centre for Science and Environment	August 5 th 2021
17	Webinar: Water the Way of Life ASSOCHAM GEM Green Building Council	August 7 th 2021
18	Webinar: Waste- to Energy through biomethanation: Making technology and business model work, UNIDO	August 10 th 2021
19	Virtual Roundtable: Adaptation and Resilience for COP26 Charter of Actions World Sustainable Development Summit, TERI	August 25 th 2021

Activities of SCGJ during 2021- 2022

S.No.	Webinar/ Virtual Meeting/ Workshops	Date
20	Event: EV CHARGE INDIA 2021, First View Group	August 27 th 2021
21	Webinar on "Clean Energy Transition: Skills shortage and a globally ageing workforce"- Blue Circle	Sept 17 th 2021
22	Conference-10th Edition of Bio Energy Summit 2021- CII	Sept 22 - 23 rd 2021
23	1st CBEII Governing Council Members meeting- CBEII	Oct 19 th 2021
24	Inception Meeting on conducting skill gap study in solid waste management sector- HTA	Nov 15 th 2021
25	International Conference and Exhibition on Waste to Worth- CII	Nov 16 - 17 th 2021
26	Webinar on "Certification of Green Hydrogen- Indo German Energy Forum	Nov 24 th 2021
27	Webinar on White paper on Biomass- CBEII	Nov 26 th 2021
28	Webinar on Organic Recycling: Webinar on Integrated Solid waste Management- The Next 10 Year plan- CII	Nov 29 th 2021
29	Stakeholder Consultation on Multiskilling of workers in Gram Panchayats NIRDPR, Hyderabad	Jan 05 th 2022
30	Webinar on The PoSH Act-2013; IC Skill Enhancement-NCD India	Jan 21 st 2022
31	Biodiesel Summit- ICEMA	Jan 24 th - 25 th 2022
32	Webinar series on Rich Water Solution- WOW, Altech Foundation	Jan 28 th 2022
33	International Symposium on Chemical Wisdom by Her- Dept of Chemistry, Desbandhu College, Delhi	Jan 31 st 2022
34	Consultative meeting on DRE intervention- CLEAN	Feb 03 rd 2022
35	Discussion on skill gap studies and training module development for Carbon accounting- Intertek Assuris	Feb 07 th 2022
36	Webinar on Waste Management Sector's Role in Achieving India's COP26 Commitments- CII	Feb 8 th 2022
37	Stakeholder consultation for Data Collection Survey on Biogas sector in India- PwC	Feb 8 th 2022
38	Report launch "State of the Decentralised Renewable Energy in India- CLEAN	Feb 10 th 2022
39	Interactive session: Center of Excellence(COE) in Hydrogen Economy, PHDCCI	March 11 th 2022
40	Meeting: Development of National Program for Capacity Development for Air Quality Management, iFOREST	March 28 - 29 th 2022

Activities of SCGJ during 2021- 2022

Some more important activities of SCGJ

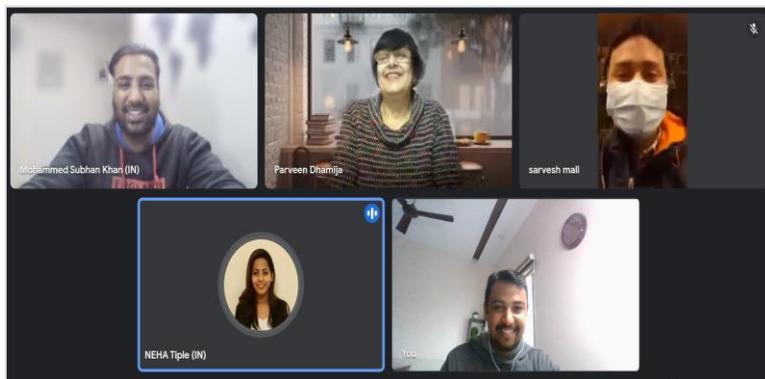
IRENA visits SCGJ to explore future opportunities

Honorable Mr. Francesco La Camera, Director General, International Renewable Energy Agency (IRENA), and his team visited SCGJ office on 25th April to discuss strategic partnership, Green jobs and education and Green Hydrogen.



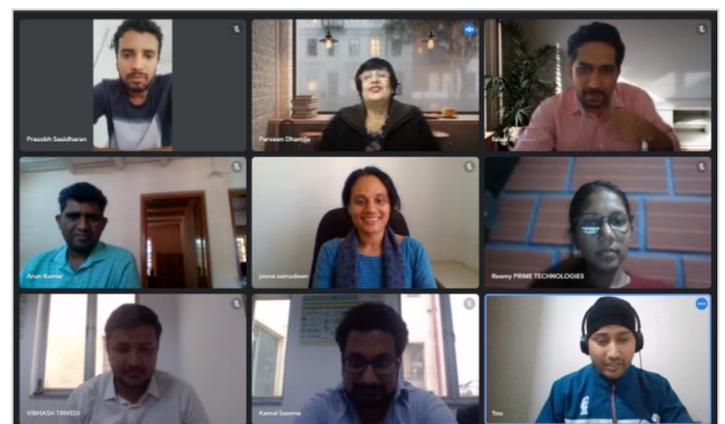
Participation in JICA Study

SCGJ participated in data collection survey under study focused on the Indian market, policy & regulatory regime, technological options, business models and feedstock availability & supply chain for Biogas sector in India. This was conducted by PwC India on 4th Feb 2022.



Training of Trainers - Wastewater Management

SCGJ conducted training of Trainers for 10 days on wastewater treatment for the State of Kerala in between 24th Jan to 2nd Feb 2022.



Activities of SCGJ during 2021- 2022

Review meeting with Chairman SCGJ

Review meeting with Chairman SCGJ was held on 16th February 2022 in the office of SCGJ. During the meeting, a presentation was made on the strategies and preparations for World Skills 2022.



Green Jobs and Entrepreneurship Conference 2022

Green Jobs and Entrepreneurship Conference 2022 on 25th March 2022 at IAS Officers Association, Bengaluru, Karnataka promoting skilled workforce for innovative industries. Ms. Sangeeta Patra, Vice President, Marketing & Partnerships, SCGJ and Former Chairman, SCGJ, Mr. K. Krishan participated in panel discussion.



Blue Circle Community

Webinar on Clean Energy Transition: Skills shortage and a globally ageing workforce, 21st Sept 2021




Activities of SCGJ during 2021- 2022

Visit to Centre of Excellence

Visit to National Institute of Solar Energy on 12th March 2022, one of the Centers of Excellence of Skill Council for Green Jobs by Shri Rajesh Aggarwal - Secretary MSDE, Mr. Ved Mani Tiwari - COO & Officiating CEO NSDC, Mr. Anand Mohan Jha - Senior Head NSDC, Dr. Praveen Saxena - CEO SCGJ.



MoU Signed with Tamil Nadu

MoU has been signed with the “ Hon’ble Minister for Labour Welfare and Skill Development Department”, Shri Ganesan C.V., Member of Tamil Nadu Legislative Assembly on 09th March 2022.



JuniorSkills Championship

SCGJ received the award in JuniorSkills felicitation ceremony for outstanding performance and extending support to the participants during the competition.



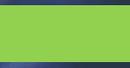
International Symposium

Dr. (Mrs.) Parveen Dhamija invited as a guest speaker to address the International Symposium on Chemical Wisdom by Her organized by Dept of Chemistry, Desbandhu College, Delhi on 31st Jan 2022.



Balance Sheet FY 2020 - 2021

Skill Council for Green Jobs



Balance Sheet FY 2020 - 2021

SKILL COUNCIL FOR GREEN JOBS BALANCE SHEET AS AT 31.03.2022

CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	(Amount - Rs.)	
		31.03.2022	31.03.2021
CORPUS / CAPITAL FUND AND LIABILITIES			
CORPUS / CAPITAL FUND	1	-	42,105,716
RESERVES AND SURPLUS	2	81,114,807	-
EARMARKED / ENDOWMENT FUNDS	3	45,179,110	77,276,853
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	14,145,614	45,225,041
TOTAL		140,439,530	164,607,610
ASSETS			
FIXED ASSETS	8	886,101	690,436
INVESTMENTS - FROM EARMARKED / ENDOWMENT FUNDS	9	-	-
INVESTMENTS - OTHER	10	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	139,553,429	163,917,173
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)		-	-
TOTAL		140,439,530	164,607,609
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

"As per our report of even date annexed"

For V.D. Tiwari & Co.
(FRN: 002882N)




CA Pushpinder Tiwari
Partner
M.No: 503170

Place: New Delhi
Date:

For SKILL COUNCIL FOR GREEN JOBS





Chairman Treasurer Secretary



Balance Sheet FY 2020 - 2021

SKILL COUNCIL FOR GREEN JOBS INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2022

INCOME	Schedule	(Amount - Rs.)	
		01.04.2021 To 31.03.2022	01.04.2020 To 31.03.2021
Income from Sales / Services	12	-	-
Grants / Subsidies	13	-	-
Fees / Subscriptions Received	14	118,278,527	274,235,985
Income from Investments (Income on Invest. from earmarked/endow. Funds transferred to Funds.)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	6,086,537	1,644,908
Other Income	18	1,147,323	301,131
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
TOTAL (A)		125,512,387	276,182,024
EXPENDITURE			
Establishment Expenses	20	107,972,246	252,651,079
Other Administrative Expenses etc.	21	7,642,970	3,386,451
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net Total at the year-end - corresponding to Schedule 8)		387,009	346,539
		116,002,225	256,384,069
Excess of Income over Expenditure/(Excess of Expenditure over Income)		9,510,162	19,797,955
Transfer to General Reserve		(9,510,162)	(19,797,955)
Net Surplus/Deficit		-	-
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

"As per our report of even date annexed"

For V.D. Tiwari & Co.
(FRN: 002882N)


CA Pushpinder Tiwari
Partner
M.No: 503170



Place: New Delhi
Date:

For SKILL COUNCIL FOR GREEN JOBS


Chairman


Treasurer


Secretary



Balance Sheet FY 2020 - 2021

SKILL COUNCIL FOR GREEN JOBS
SCHEDULES FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2022

	(Amount - Rs.)		(Amount - Rs.)	
	31.03.2022		31.03.2021	
SCHEDULE 1 - CORPUS / CAPITAL FUND :				
Balance as at the beginning of the year	42,105,716		22,277,761	
Less: Trf. to General Reserve	42,105,716		30,000	
		-	19,797,955	42,105,716
BALANCE AS AT THE YEAR - END		-		42,105,716
SCHEDULE 2 - RESERVES AND SURPLUS :				
	31.03.2022		31.03.2021	
1. Capital Reserve :				
As per last Account				
Addition during the year				
Less: Deductions during the year				
2. Revaluation Reserve				
As per last Account				
Addition during the year				
Less: Deductions during the year				
3. Special Reserves :				
As per last Account				
Addition during the year				
Less: Deductions during the year				
4. General Reserve :				
As per last Account				
Addition during the year	71,604,645			
Add: Trf from Income & Expenditure A/c	9,510,162	81,114,807		
TOTAL		81,114,807		-

For SKILL COUNCIL FOR GREEN JOBS

Place: New Delhi
Date:



[Signature]
Chairman

[Signature]
Treasurer

[Signature]
Secretary



Functional Details

Skill Council for Green Jobs





Functional Divisions

Key Performance Areas of each Department



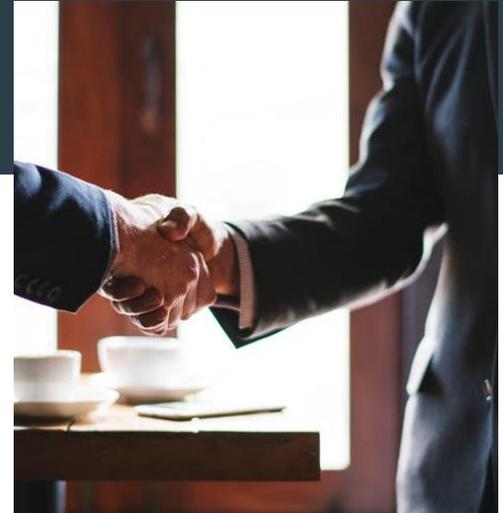
Standards & Research

- ✓ 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



Assessment & Assurance

- ✓ 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 in all the sub-sectors
- ✓ Finding opportunities to Partner with countries, organizations, institutes & multi & bi lateral Agencies
- ✓ Improving visibility of Skill Council for Green Jobs
- ✓ Social media & Print media management
- ✓ Organization of AGM and Governing Council Meetings
- ✓ All matters relating to Membership of SCGJ, including growth
- ✓ MoUs with Industry and other Skill Development bodies
- ✓ Participation & Organization of sector specific events, Conferences, Job fairs and Exhibitions
- ✓ RPL Type 4 "BiCE" Certification Program under PMKVY.

Standards & Research Group

Skill Council for Green Jobs



Standards & Research Group 2021 - 2022

The Standards and Research is the Technical Wing of Skill Council for Green Jobs the major responsibility and achievements during 2021-22 of Standards and Research group are as follows.



Standards and Research Group primarily develops 'National Occupational Standards' and 'Qualifications' across cross cutting domain, as per the 'National Skills Qualification Framework' (NSQF). Since Qualifications (and their curriculum, content etc) are developed and reviewed/rationalized based on Job Roles available across the green business industry, this process involves extensive interface with the Sector specific industry, organizations and experts. Trainings are delivered in alignment with QP/NOSs developed by SCGJ. SCGJ has also developed Model Curriculum and Courseware including 'Participant Handbooks' and 'Facilitator Guides' for its Qualifications to supplement the training programs.

Major Achievements during 2021-22

a) Occupational Mapping and Skill Gap Analysis

- ✓ During the year, SCGJ initiated Occupational Mapping, Skill Gap Analysis and Development of National Occupational Standards across a range of new segments including Pollution Control and environmental conservation, Bio-CNG, Solar PV Entrepreneurship and Small Hydro. New QPs are also proposed to be developed for rainwater harvesting and new technologies like carbon accounting, floating solar, Solar PV-Wind Hybrid domain etc. to meet the future requirements in evolving technology segment.
- ✓ A New Skill Gap Study has been undertaken on Solid waste management in 4 metro cities.
- ✓ A study on 'India's Expanding Clean Energy Workforce: Opportunities in the Solar and Wind Energy Sectors' was released in Jan 2022. The report provides updated data on jobs created through India's on-grid solar and wind energy sectors during FY21 and FY22 along with an updated findings and recommendations geared toward achieving India's goal of 500 GW of non-fossil fuel electricity generation capacity by 2030.
- ✓ SCGJ participated in data collection survey under study focused on the Indian market, policy & regulatory regime, technological options, business models and feedstock availability & supply chain for Biogas sector in India. This was conducted by PwC India on 4th Feb 2022.
- ✓ SCGJ has Contributed for the Case study on India in Recognizing Green Skills Through Non-Formal Learning: A Comparative Study in Asia; UNESCO; Springer (forthcoming)
- ✓ SCGJ is implementing the project in consortium with Sattva Consulting.

Standards & Research Group 2021 - 2022

- ✓ JP Morgan Chase funded Study on Landscape of Green Jobs in India: JP Morgan has sanctioned an in-depth study to map the green jobs landscape in India, with the objective to advance green jobs in the country. The outcome of this study is to report documenting insights on (i) Green jobs demand potential across six states and areas such as renewables, waste management, biofuels and green mobility solutions and (ii) Opportunities, such as skilling, bridging demand and supply, funding to lower key bottlenecks, for advancing green jobs in India, especially for disadvantaged population. This 6-month study is collecting inputs from existing literature, existing public/private datasets and conversations with experts, stakeholders across the skilling value chain.

b) Development of Qualifications based on Industry requirement

- ✓ The revision/rationalization process of solar PV QPs was completed during the year. Out of the 20 QPs on Solar PV, 14 QPs were revised and presented to NSQC for approval. The revision of 14 QPs in solar domain and 5 in sanitation and waste management have been approved by NCVET with new validation date up to March, 2024.
- ✓ 6 Qualification Packs on Wind Energy have been reviewed by the NOS committee on wind energy. These QPs have been revised to focus on scaling up trainings on various aspects of wind energy technology through Vayumitra program, in coordination with NIWE, Chennai. 6 qualifications of wind energy and 1 qualification on small hydro have been approved by NSQC in its meeting held on 25th November, 2021.
- ✓ A study on “Future Job roles in Operation and Maintenance of Bio CNG Plants” has been completed by jointly by SCGJ and KPMG. The study outlines key jobs required by the Bio CNG industry. 4 new Qualifications on Bio CNG and training material for most promising job roles have been developed. These job roles were approved by NSQC in its meeting held on 27th January, 2022.
- ✓ 12 new qualifications including in wind energy (6), small hydro power (1), compressed biogas (4) and solar entrepreneurship (1) have been approved in NSQC. With this, SCGJ has 44 NSQC approved qualifications. 10 new shall be added in next 6 months.

c) Model Curriculum and Courseware Development

- ✓ Total 44 Model curriculums have been developed for 15 Solar PV QPs, 6 Wind Energy QPs, 1 small hydro, 2 on Paper Bag manufacturing, 14 Waste and Biomass Management QPs, 2 Water Management QPs and 4 Clean Cookstove QPs. SCGJ has developed 12 Participant Handbooks for various qualifications in English language and multiple Participant Handbooks in both Hindi and English are currently under development.

Other initiatives:

- ✓ The GIZ supported e- Learning platform on waste water plant technician and solar grid engineer have been made operational. Efforts are being made to sign MOUs with CETP so that on the job trainings can be organized after the online training.
- ✓ SCGJ in collaboration with All India Management Association (AIMA) Launched Online Certificate Course On Sustainability Management
- ✓ SCGJ has also proposed to add modules for organized “collection & aggregation” and dispatch to approved processing units of Plastics for Green Construction as well as Bio-Oil/ Bio-Char production and Used Cooking Oil for Bio Diesel production.

Standards & Research Group 2021 - 2022

d) SCGJ engagement with bilateral and multilateral agencies

- ✓ SCGJ participated in Knowledge Session: Certification of Green Hydrogen on 24th of November 2021, organized by the Indo-German Chamber of Commerce in collaboration with the Indo-German Energy Forum (IGEF) Support Office.
- ✓ Multiple Interactions with ISA, DFID, GIZ, SDC, World Bank and GBCI have also been carried out for a range of skills development initiatives in solar, biomass, wastewater and green construction sector along with supporting capacity building initiatives that impart 21st-century skills, promote sector-specific skills, and provide apprenticeship/employment opportunities to students/young learners.

The World Bank supported Project

The World Bank has recently awarded a project titled “Researching solutions for Preparing Schools for Vocational Education in Solar Energy” to the Skill Council for Green Jobs (SCGJ). This World Bank supported project aims to undertake research, identify possible solutions and recommend possible innovations to strengthen the design and delivery of vocational skills in Renewable energy (with a focus on Solar Energy), for children aged 15 -18 years (Class 9-12) across Government Schools in Gujarat.

The project will give its recommendations on incorporating vocational skills, in the domain of Renewable energy (with focus on solar energy), which can facilitate school-to-work transition while improving the school environment for the delivery of solar vocational education as an aspirational career pathway. This study has its importance in the light of the New Education Policy (2020) where Vocational Education is being integrated with general academic education at school as well as college level.

UNDP supported Project

United Nations Development Programme (UNDP) has recently awarded Skill Council for Green Jobs (SCGJ) a project titled ‘Development of 4 nos. of qualification packs and Skilling 1000 persons on Green Electric Vehicle Charging Infrastructure and Solar Cold Storage’. The project aims to train and certify 1000 trainees across 5 qualifications including on PV Installer (Suryamitra) along with Basic and Advanced job role(s) in Solar cold storage and Solar based EV charging infrastructure. The project will also support in developing 4 qualifications including an advanced and basic qualification for both Solar cold storage and Solar EV charging infrastructure on which cumulatively 700 trainees will be trained and certified across select locations.

GIZ funded Indian Rooftop PV Installers Skilling & Employment (IRISE) Project

SCGJ has been implementing IRISE project supported by GIZ to improve PV rooftop installation quality through Up-skilling Indian solar installers (certified Suryamitras) through conducting 10 days training batch. One of the key objectives of the project was to upskill 1500 “certified suryamitras” through 30 training partners located across 13 states and UTs on various technical and entrepreneurial aspects of PV Port, an innovative plug and play energy system along with various technical aspects on improving the overall quality and safety of solar rooftop installations.



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Against that target, SCGJ has so far upskilled 1742 certified suryamitra candidates including 138 female candidates through conducting 76 physical training batches at 38 training centres locations across the country. Due the restrictions imposed by the pandemic, most of these physical trainings could not be conducted in FY 20-21 however with the relaxations of the restrictions in the last few months; many of these upskilling training batches were created and the trainings were conducted with a focus on enhancing the employability of trained and certified suryamitra. One of the key novel aspects of this project is that through the TOTs, the trainers of these TPs also get an opportunity to learn from many German and Indian experts and Master trainers on PV Port, besides various other aspects like best practices to improve quality and safety in solar rooftop installations. During the upskilling trainings, the same learning and experience is shared with the certified suryamitras with a wider objective to improve the supply of skilled and certified candidates for the fast growing sector. Upskilling suryamitra is a very timely and much needed initiative to support the supply of skilled installers and technicians for the Indian solar sector to meet the rising demand of the industry for skilled workforce.

d) Coordination with Universities and Colleges for NSQF alignment of B. Voc. degree programs

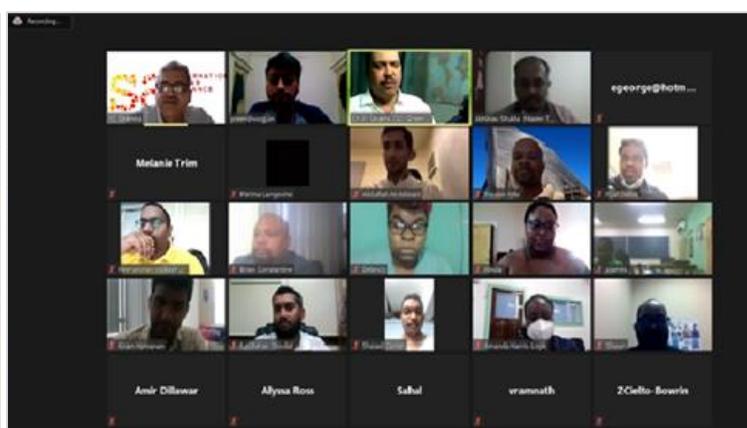
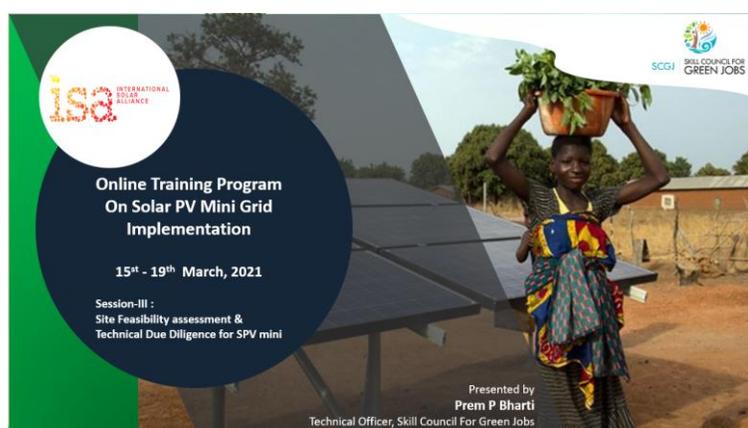
- ✓ Interacted with Indraprastha University for incorporating the Green Skills component in their existing course B.Voc. in Renewable Energy Management.

Training for ISA Member Countries

Skill council for Green Jobs in collaboration with International Solar Alliance delivered the series of Online Training program on various topics for ISA Member Countries. During the year, over 600 candidates has been Trained for participants from more than 30 different countries participated in this training program.

The Training was delivered on the following Topics :

1. Scaling up of Solar Rooftop Project
2. Solar PV Mini Grid implementation Program
3. Online Training Program for Bankers of ISA member Countries
4. Scaling Solar Applications for Agriculture Use (Solar PV Water Pumping Training)



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Industry Collaboration for Market Mode Training

Skill Council for Green Jobs in collaboration with “GoodWe Inverter” organized an online training by bringing Industry expert to deliver training and bring the practical approach in the knowledge sharing event. GoodWe is a leading manufacturer of PV inverters and energy storage solutions. It has a dedicated open platform for knowledge sharing and communication for the PV industry. The training was largely targeted for solar industry professionals and candidates who would like to join the sector in roles related to system design and components selection and optimization. The training program was attended by more than 100 participants which shows the high interest towards such program in future also.



SAUR ENERGY INTERNATIONAL

GOODWE Start Energy Institute

RENEWABLE ENERGY INDIA EXPO 2022
India Expo Center & Mart | 28th-30th Sept. 2022 | Booth: 5.42A

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Home » News » GoodWe Collaborates with Skill Council For Green Jobs To Impart Solar Training

GoodWe Collaborates with Skill Council For Green Jobs To Impart Solar Training

By Saur News Bureau / Updated On Thu, Sep 23rd, 2021

GoodWe, the global PV inverters and energy storage solution firm got its Solar Academy team that focuses on sharing knowledge of PV applications, to collaborate with the Skill Council for Green Jobs to support the skilling requirements in the PV sector. Titled “Advanced SPV System Design optimization& Criteria for Component Selection”, the course was aligned with “Solar PV Designer” (QP: SGJ/Q 0110), a Qualification Pack (QP) of Skill Council for Green Jobs which has been declared a National Qualification and is part of the National Qualification Register. The training program, organised for 2 days on 16th & 17th September had a total of seven major sessions, which focused on important aspects of Solar PV (SPV) system design and the criteria employed for the components selection. This enabled the participants to receive an in-depth exposure on the design basis criteria for solar rooftop and ground mounted projects.

BLOGS

- Explained: The Arrival Of Big Batteries For Energy Storage
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SUNGROW
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The training was largely targeted for solar industry professionals and candidates who would like to join the sector in roles related to system design and components selection and optimisation.

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SCGJ has following 44 QPs which are NSQC approved and have been declared National Qualifications. These Q-Files are available on the portal of National Qualification Register (NQR):

S.No.	Sector	Name of Active Qualification	NSQF Level
1	Solar Energy	Solar PV Installer (Suryamitra)	4
2	Solar Energy	Solar PV Installer – Electrical	4
3	Solar Energy	Solar PV Installer – Civil	4
4	Solar Energy	Solar Proposal Evaluation Specialist	5
5	Solar Energy	Rooftop Solar Grid Engineer	5
6	Solar Energy	Solar PV Business Development Executive	5
7	Solar Energy	Solar PV Structural Assistant Design Engineer	5
8	Solar Energy	Solar PV Designer	7
9	Solar Energy	Solar PV Project Helper	2
10	Solar Energy	Solar PV Engineer (Option: Water Pumping System)	5
11	Solar Energy	Solar PV Project Manager (E&C)	7
12	Solar Energy	Solar PV Maintenance Technician - Electrical (Ground Mount)	4
13	Solar Energy	Solar PV Manufacturing Operator	4
14	Solar Energy	Solar Lighting Assembler (Elective: Home Lighting System/Street Light)	4
15	Solar Energy	Solar Photovoltaic Entrepreneur	5
16	Wind Energy	Construction Technician- Wind Power Plant	4
17	Wind Energy	O&M Electrical & Instrumentation Technician - Wind Power Plant	4
18	Wind Energy	O&M Mechanical Technician - Wind Power Plant	4
19	Wind Energy	Wind Resource Assessor and Site Surveyor - Wind Power Plant	5
20	Wind Energy	CMS Engineer - Wind Power Plant	5
21	Wind Energy	Project Assistant Planner - Wind Power Plant	3
22	Small Hydro	Small Hydro Power Plant Technician (Jal Urja Mitra)	4
23	Water Management	Wastewater Treatment Plant Technician	4
24	Water Management	Wastewater Treatment Plant Helper	3

Standards & Research Group 2021 - 2022

S.No.	Sector	Name of Active Qualification	NSQF Level
25	Waste Management	Recyclable Waste Collector & Segregator	4
26	Waste Management	Safai Karamchari(Elective: Wet Cleaning/Mechanised Cleaning)	3
27	Waste Management	Waste Picker	3
28	Waste Management	Septic Tank Technician	3
29	Waste Management	Desludging Operator	3
30	Waste Management	Faecal Sludge Treatment Plant O&M Technician	4
31	Biomass Management	Manager- Waste Management	6
32	Biomass Management	Agri-residue Aggregator	3
33	Biomass Management	Biomass Depot Operator	4
34	Biomass Management	Animal Waste Manure Aggregator	3
35	Biomass Management	Feedstock Manager - Procurement and Composition	6
36	Biomass Management	Plant Head - Operations (Compressed Biogas/Waste to Energy)	7
37	Biomass Management	Technician - Operations and Maintenance (Compressed Biogas/Waste to Energy)	4
38	Biomass Management	Supervisor - Operations and Maintenance (Compressed Biogas/Waste to Energy)	5
39	Sustainable Practices	Technician - Paper Bag Manufacturing	3
40	Sustainable Practices	Paper Bag Maker	5
41	Clean Cooking	Improved Cook stove Installer	4
42	Clean Cooking	Portable Improved Cook stove Assembler	3
43	Clean Cooking	Portable Improved Cookstove Sales & Maintenance Executive	4
44	Clean Cooking	Portable Improved Cookstove Distributor	5



Assessment & Assurance Group

Skill Council for Green Jobs



Assessment & Assurance Group 2021 - 2022

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:



Major Achievements during April 2021 - August 2022

S.No	Scheme	Candidates Certified During April 2021-August 2022
1	PMKVY 2.0	742
2	PMKVY 2.0 special projects	57
3	PMKVY 2.0 RPL 2 program	6483
4	Govt. Schemes e.g., MNRE, NSKFDC, NULM, NBCFDC etc.	11153
5	Market mode program	2081
6	State Govt. Funded Programs	2073
7	Conducted TOMT	20
8	Conducted TOT	149 Trainers
9	Conducted TOA	31 Assessors
10	B.Voc Trainings	368
11	AICTE-PMKVY-TI	18
12	International Solar Alliance Training	465
13	IRISE	1630

Cumulative Status

- ✓ Affiliated 436 Training Centres
- ✓ Empaneled 40 Assessments Agencies as per the new SOP issued by NSDC

Assessment & Assurance Group 2021 - 2022

Major Achievements of Assessment & Assurance 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:

Training of Trainer	<p>SCGJ has conducted Training of Trainer program for both Solar and Waste Management Domain. The domain wise numbers are as follows:</p> <ul style="list-style-type: none"> ✓ Solar Domain: 131 ✓ Waste Management: 7 ✓ Waste Water: 11
Training of Assessor	<p>SCGJ has conducted Training of Assessor Program in Solar Domain & Paper Bag. Total 31 candidates were trained under both the program.</p>
Regional Skills Competition	<p>SCGJ has successfully conducted Regional Skills Competition under the banner of India Skills in Chandigarh & Vishakhapatnam. Competition was conducted on 2 different skills, i.e., Renewable Energy & Water Technology</p>
India Skills Competition	<p>SCGJ has conducted India Skills Competition in Delhi with the support of Jakson Group for Renewable Energy Skill & Festo for Water Technology Skill</p>
Training on SEMS	1009
One Day Orientation Program for Safai Karamchari	<p>SCGJ has conducted a one-day orientation program with New Delhi Municipal Corporation for giving training to Safai Karamcharis</p>
RPL Training of Sanitation Workers supported by National Safai Karmachari Finance & Development Corporation (NSKFDC)	<p>SCGJ has completed the RPL Trainings of more than 3500 sanitation workers supported by NSKFDC across the country</p>
Assessments & Certification for State Missions	<p>SCGJ has conducted assessment and certification in following State Missions:</p> <ul style="list-style-type: none"> ✓ Jharkhand Skill Development Mission ✓ Gujarat Skill Development Mission ✓ Tripura Skill Development Mission ✓ Madhya Pradesh Skill Development Mission ✓ Uttarakhand Skill Development Mission ✓ Uttar Pradesh Skill Development Mission
Empanelment of Assessment Agency	<p>SCGJ has empaneled 7 assessment agencies for carry out the future assessments.</p>
Azadi Ka Amrit Mahotsav	<p>SCGJ has started a series of webinar under the banner of Azadi Ka Amrit Mahotsav. Conducted total of 42 webinar on various topics such as biomass, solar and many more.</p>

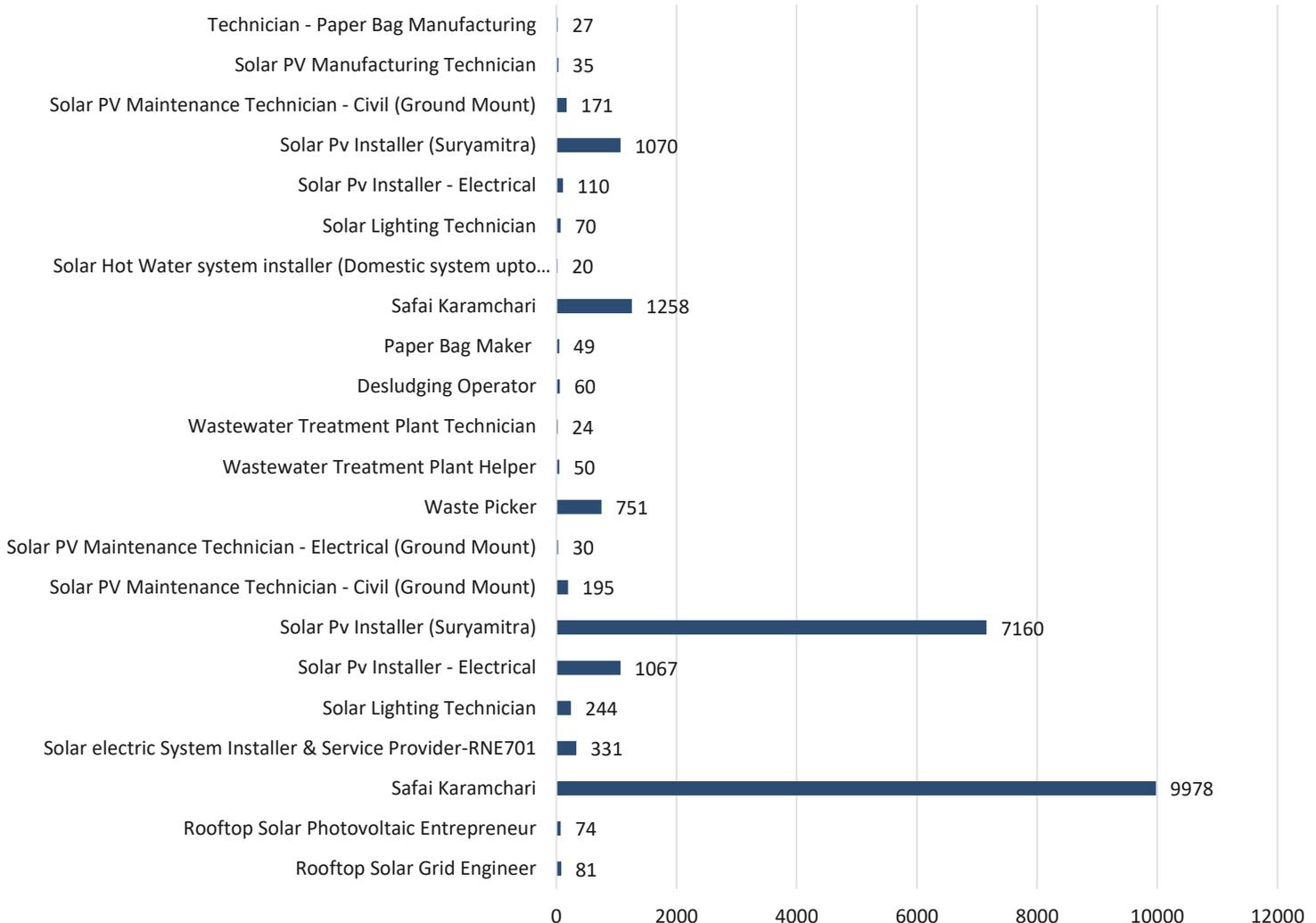
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Certification of candidates

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 44 NSQC approved QPs, 20 QPs are in active use under various Government schemes and market mode trainings. 10 QPs are used under Government schemes by:

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

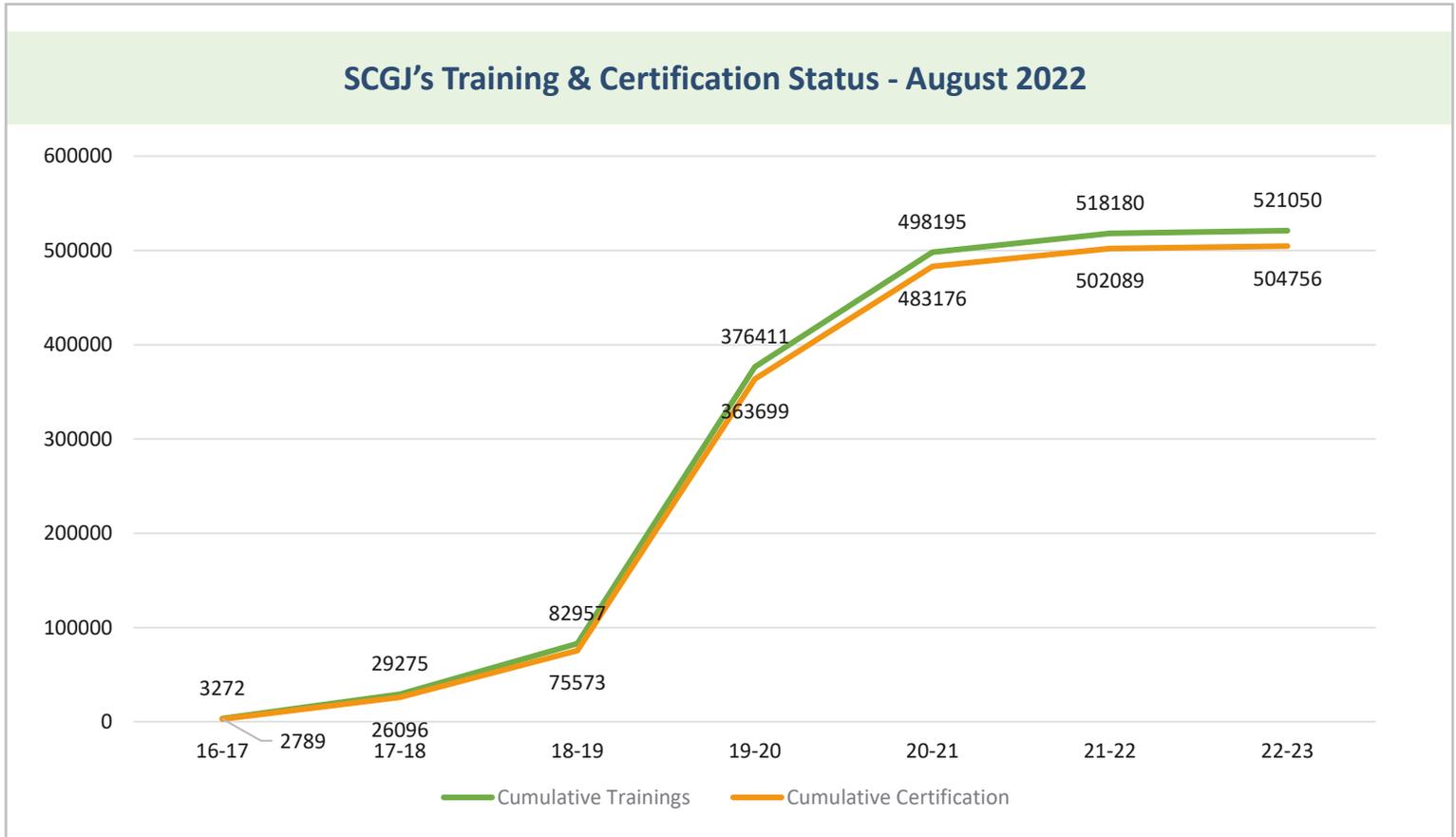
Total Trainings = 22,855





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



Assessment & Assurance Group 2021 - 2022

Azadi Ka Amrit Mohotsav

SCGJ has been celebrating 'Azadi ka Amrit Mahotsav' by conducting a series of 75 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. So far 42 lectures have been organized on different topics starting from September, 2021. The series was launched with the talk on Importance of Sustainable Development Goals and its role in reducing the impact of climate change. Next in the series was on Entrepreneurial opportunities in Solar focusing skills on different opportunities in starting a new venture on solar power plant. The list of webinars delivered are as follows:

S.N.	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	

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S.N.	Date	Webinar Topic	Guest Speaker Details
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
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

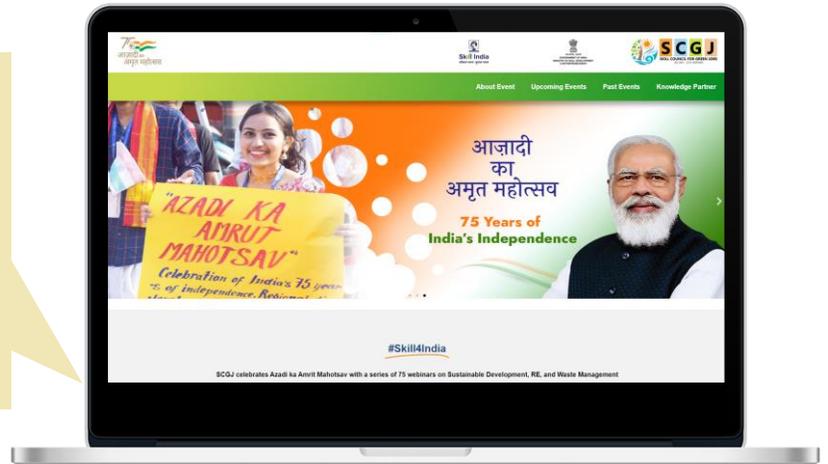
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Official Website of SCGJ for

Azadi Ka Amrit Mahotsav

<https://scgj.azadikaamritmahotsav.in/>




Azadi Ka Amrit Mahotsav
#Skill4NewIndia

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

Join us for the inaugural webinar on Importance of Sustainable Development Goals and ways to achieve it

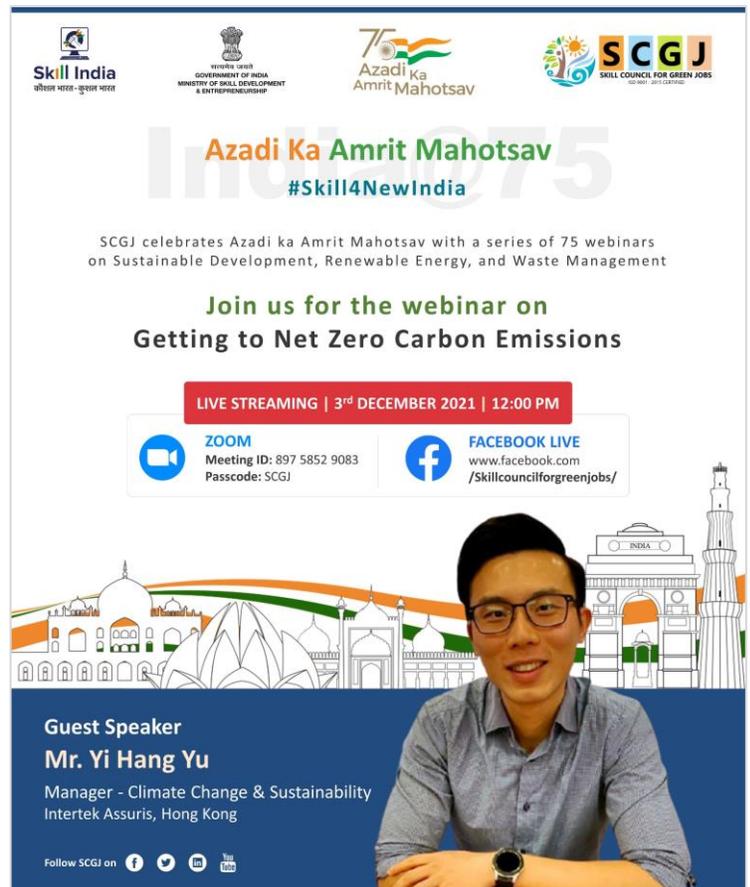
LIVE STREAMING | 24th SEPTEMBER 2021 | 12:00 PM

ZOOM
Meeting ID: 826 3950 9796
Passcode: SCGJ

FACEBOOK LIVE
www.facebook.com/SkillCouncilforGreenJobs/

Guest Speaker
Mr. Sameer Gupta
Chairman
Skill Council for Green Jobs

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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 Getting to Net Zero Carbon Emissions

LIVE STREAMING | 3rd DECEMBER 2021 | 12:00 PM

ZOOM
Meeting ID: 897 5852 9083
Passcode: SCGJ

FACEBOOK LIVE
www.facebook.com/SkillCouncilforGreenJobs/

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

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

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

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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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FREE ONLINE TRAINING
Standard Operating Procedure for the Solar PV Plant Installation
11th & 12th OCTOBER 2021 | 2:00 PM - 4:00 PM

SCGJ E-learning Management System

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

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



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

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



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

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



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

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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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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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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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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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SCGJ Presents Webinar on
Steering Towards Sustainability



Guest Speaker
Mr. Niranjan Khatri
Founder, ISambhav

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SCGJ Presents Webinar on
Burnout to Burn Bright



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

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

Assessment & Assurance Group 2021 - 2022

SCGJ's contribution towards WorldSkills

SCGJ is the first and the only Sector Skill Council to bag India's First Gold Medal at WorldSkills Kazan Russia 2019 in Water Technology Skill. After this unprecedented performance, 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 2022 Special Edition.

SCGJ Preparation to Win GOLD at WorldSkills Competition 2022 Special Edition

With a mission to get Gold at WorldSkills Special Edition, SCGJ has strengthened its preparation and executed many initiatives to upskill the WorldSkills aspirants in Water Technology and Renewable Energy Skill.

The council has collaborated with members from Industry, Domain master trainers, Academia, and Former WorldSkills experts to craft a technology centric, outcome-based plan for mentoring candidates holistically for skill competitions.

Members on Board



Arpit Sharma
Chief Operating Officer
Skill Council for Green Jobs
(Skill India Mission)



Ruchi Pareek
INDIA Expert at WorldSkills
Kazan 2019 (Silver Medal)
Director Technology, Smart & Beryl



Abhinav Shukla
National Expert - Renewable Energy
Deputy Chief Expert at WorldSkills
Founder, Save Earth Technologies



Prem Prakash Bharti
Subject Matter Expert
Manager - Technical, Skill Council for
Green Jobs (Skill India Mission)



Vamsi Krishna
Subject Matter Expert
Director, Institute of Solar Power
Energy & Vocational Training



Suni Sahoo
Subject Matter Expert
Co-founder, Innodust
Techsolution Private Limited

In the view of pandemic, Green Jobs SSC launched a unique technology driven **online foundation programme** to prepare all registered candidates PAN India for various qualifying rounds of IndiaSkills 2021. Under this programme, candidates attend training by International RE Experts free of cost.

Instructor led training sessions were conducted on SCGJ's e-Learning Management System (SEMS) by domain experts followed by regular doubt-clearing interactions. Practice competitions, sample papers and curated study resources were also made accessible to every single candidate via SCGJ's e-learning management system. The SSC also launched a dedicated webpage which hosts all necessary learning resources required by a candidate to prepare for WorldSkills competition.

Team SCGJ has also earned extensive credibility in the international fraternity basis which our expert in Renewable energy has been selected as Deputy Chief Expert at WorldSkills.



SCGJ
SKILL COUNCIL FOR GREEN JOBS

Skill India
असतो मा सद्गमय

IndiaSkills
Transforming the skill landscape

N.S.D.-C
National Skill Development Corporation

Foundation Programme

on Renewable Energy for IndiaSkills 2021

SCGJ on a mission for another **GOLD**
#IndiaKeSkillStar

Training Powered By
SCGJ e-Learning Management System



Scan to know about
**SCGJ Foundation
Programme on RE**



Scan to know about
**SCGJ Preparation
for WorldSkills**

Assessment & Assurance Group 2021 - 2022

IndiaSkills Regional Competitions 2021

With this strong preparation and execution strategy, and support from the industry partners, Skill Council for Green Jobs successfully executed regional competitions in Punjab and Andhra Pradesh.

Team SCGJ at IndiaSkills Regional Competitions 2021



Gold Medal & Silver medal on Water technologies at the Regional Competition South - Vishakhapatnam

Gold Medal & Silver medal on Renewable Energy at the Regional Competition - Chandigarh



Assessment & Assurance Group 2021 - 2022

IndiaSkills National Competition 2021

The council in collaboration with NSDC and its partners conducted IndiaSkills National Competition at different locations in the National Capital to select the potential candidates who shall represent India at WorldSkills.



Assessment & Assurance Group 2021 - 2022

WorldSkills Selection Test Felicitation Ceremony

Skill Council for Green Jobs in collaboration with Innodust Techsolution organized a felicitation ceremony to award students who would be representing India at the WorldSkills in renewable energy skill. Smt. Renuprava Nayak, Additional Secretary, Odisha Skill Development Authority and Shri Sanjib Kumar Rout, President, C. V. Raman Global University Odisha graced the occasion as chief guest. Distinguished members from Industry, Academia and WorldSkills International experts were also present at the occasion.



Five finalists of IndiaSkills 2021 were trained for last 6 months and a series of 3 selection tests were conducted from April – June 2022 to select one student who would represent India at the WorldSkills. “It has been a life changing experience for me and all the other fellow competitors during the last 6 months. Not only did we hone our skills to international levels but also developed life skills to handle pressure” said Mr. Shivam Chaurivar from Madhya Pradesh, who secured the first position and shall represent India at the WorldSkills Competition Special Edition 2022.



OUR PARTNERS



Marketing & Partnerships Group

Skill Council for Green Jobs



Marketing & Partnerships Group 2021 - 2022

Marketing and Partnerships is the Industry, bilateral and multilateral interface wing of Skill Council for Green Jobs. The major responsibilities and achievements during 2021-22 of Marketing & Partnerships Group are as follows:

<p>01 Improving Industry linkages in all the sub-sectors</p>	<p>02 Improving visibility of Skill Council for Green Jobs</p>	<p>03 Organization of AGM and Governing Council Meetings</p>
<p>04 All matters relating to Membership of SCGJ, including growth</p>	<p>05 MoUs with Industry and other Skill Development bodies</p>	<p>06 Partner with Countries + Bi & Multi lateral organizations</p>
<p>07 Organizing & Participating in Conferences and Exhibitions</p>	<p>08 Centers of Excellence</p>	<p>09 RPL Type 4 "BiCE" Certification Program under PMKVY.</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 for business development activities
- ✓ Improving visibility of Skill Council for Green Jobs
- ✓ Social media & Print media management
- ✓ Organization of AGM and Governing Council Meetings
- ✓ All matters relating to Membership of SCGJ, including growth
- ✓ Memorandum of Understanding (MoUs) with Industry and other Skill Development bodies both Government & non-Government
- ✓ Participation & Organization of sector specific events, Conferences, Job fairs and Exhibitions
- ✓ Portal for Assessment / Training tests and Psychometric tests for the utilization of all our associate organizations
- ✓ Liaison & establish new Centers of Excellence

Marketing & Partnerships Group 2021 - 2022

Activities during 2021-22

The Marketing and Partnership Group of SCGJ has been focusing on strengthening industry connect, developing database for sector specific industry and demand aggregation. 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 of 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.

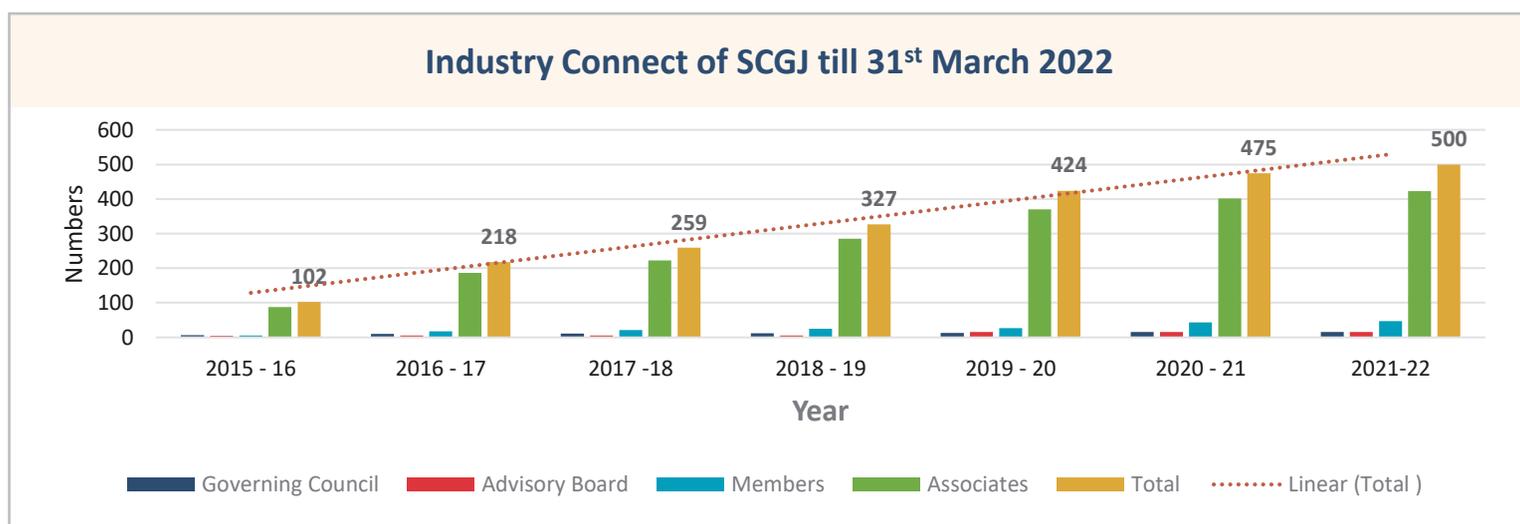
a) Marketing and Business Development Activities

- ✓ Participation in over 37 skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas.
- ✓ Organized 2 Governing Council meeting and 1 AGM in the given period.
- ✓ Centers of Excellence (CoE) are 9 in number.
- ✓ A total of 26 industries were added as new Members / SCGJ Associates, raising the total to 500 Industry Members.
- ✓ SCGJ has signed in total Agreements/ MoUs with 56 institutions / industry organizations.
- ✓ World on Wheel (WoW), “Involve the Guru” program are being conducted in Government Open Schools in each of the 53 districts of Madhya Pradesh through MPSOSEB and EDII.
- ✓ SCGJ posts in it’s Social media [Facebook, Twitter, LinkedIn & YouTube] has received 88979 hits.
- ✓ We ran the Campaign on 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 600 industry, mainly MSME were contacted and informed about the activities of SCGJ. Industries added this year to our Membership anew are 26 in number till date.

Industry Connect of SCGJ till 31 st March 2022							
Year	2015 - 16	2016 - 17	2017 -18	2018 - 19	2019 - 20	2020 - 21	2021-22
Governing Council	6	10	11	12	13	15	15
Advisory Board	4	5	5	5	15	15	15
Members	5	17	21	25	26	43	47
Associates	87	186	222	285	370	402	423
Total	102	218	259	327	424	475	500



Marketing & Partnerships Group 2021 - 2022

MoUs signed with Industry / Institutional Engagement:

Signing of MoUs with industry and skill agencies has been a regular activity of SCGJ. SCGJ has so far signed MoUs / LoAs with 56 industry / organizations with a view to cooperate in its activities and also help in achieving placement of SCGJ certified candidates.

SCGJ's MOUs / MOAs & Letter of Intent / Agreement / Engagement (LOI / LOA / LOE)			
Sr. No	Date	Signed with	Type
1	12-11-2015	National Skill Development Corporation (NSDC)	MOA
2	04-08-2016	Ernst & Young LLP.	LOA
3	28/04/2016	Centre for Technology Alternatives in Rural Areas (CTARA), IIT Mumbai (Clean Cook-stove)	LOA
4	13/05/2016	Vestas Wind Technology India Pvt. Ltd.	MOU
5	20/05/2016	Andhra Pradesh State Skill Development Corporation (APSSDC)	MOU
6	06-02-2016	Energy Next	MOU
7	06-03-2016	National Solid Waste Management Association of India (NSWAI)	MOU
8	20/06/2016	KPMG	LOE
9	27/06/2016	Municipal Corporation Ghaziabad	MOU
10	07-08-2016	Unifyers Social Ventures Pvt. Ltd.	MOA
11	19/07/2016	National Backward Classes Finance & Development Corporation (NBCFDC)	LOI
12	26/07/2016	Commonwealth Education Media Centre for Asia (CEMCA)	MOU
13	19/08/2016	SME OneSource	MOU
14	11-03-2016	Uttarakhand Skill Development Society	MOU
15	11-10-2016	Indian Renewable Energy Development Agency Ltd. (IREDA)	MOA
16	21/11/2016	Sri Sri Rural Development Program Trust	LOI
17	24/11/2016	Gujrat Energy Research & Management Institute (GERMI)	MOU
18	25/11/2016	Industrial Waste Management Association (IWMA)	MOU
19	29/11/2016	Centre for Technology Alternatives in Rural Areas (CTARA), IIT Mumbai (Ferro cement)	LOA
20	30/12/2016	Anthropower Training Pvt. Ltd.	MOU
21	02-03-2017	Maharashtra State Skill Development Society	MOA
22	03-01-2017	Centre for Entrepreneurship Development (A Govt. of Gujarat Organization)	MOU
23	03-10-2017	Gujarat Skill Development Mission	MOU
24	04-07-2017	Rachna Sagar Pvt. Ltd. & NSDC	MOA
25	06-01-2017	G.D. Birla Medical Research & Education Foundation	MOU
26	06-06-2017	GIZ - German Cooperation	MOU
27	19/06/2017	National Safai Karamcharis Finance & Development Corporation (NSKFDC)	MOA
28	28/6/2017	Assam Skill Development Mission (ASDM)	MOA
29	28/6/2017	Tamil Nadu Skill Development Corporation	MOA
30	29/6/2017	Rajasthan Skill and Livelihoods Development Corporation	MOU
31	17/07/2017	Taylor & Francis (Informa UK Ltd.)	MOA
32	27/7/2017	J S Renewable Pvt. Ltd.	MOU
33	07-01-2017	Madhya Pradesh State Skill Development Mission (MPSSDM)	MOA
34	30/8/2017	Focal Skill Development Pvt. Ltd.	MOU
35	14/09/2017	REC Foundation (Initiative of Rural Electrification Corporation Ltd.)	MOA
36	23/9/2017	Uttarakhand Skill Development Society – EXTENSION	MOU
37	10-04-2017	National Resources Defence Council (NRDC) & Council on Energy, Environment & Water (CEEW)	MOU
38	10-05-2017	Jharkhand Skill Development Mission Society (JSDMS)	MOU
39	11-06-2017	United Nations Development Program (UNDP) India	LOU
40	17/11/2017	National Scheduled Caste Finance & Development Corporation (NSCFDC)	MOA
41	21/12/2017	Mindtree Ltd.	MOU
42	01-12-2018	SE HR & Placement Services Pvt. Ltd.	MOU
43	10-04-2018	Kanoda Energy Systems Pvt. Ltd	MOU
44	10-12-2018	Indian Biogas Association	MOU
45	13/10/2018	Trident Academy of Technology	MOU
46	18/12/2018	LabourNet India Pvt. Ltd.	MOU
47	05-01-2018	Ernst & Young - (SBI) [12/06/2017 1st]	MOA
48	07-04-2019	Multi-disciplinary Center on Safety, Health & Environment (MDC on SHE)	MOU
49	17/01/2020	Biogas Forum India "BIGFIN"	MOU
50	19/02/2020	Jag Bros Consultants Pvt. Ltd (Youth4Work)	MOA
51	20/03/2020	International Solar Alliance	LOI
52	11-04-2020	Agency for Non-conventional Energy and Rural Technology (ANERT) (COE)	MOU/L
53	25/02/2021	Madhya Pradesh State Open School Education Board (MPSOEB)	MOA
54	04-12-2021	BOSCH Ltd., Bengaluru	MOU
55	23/07/2021	CSC e Governance India Pvt. Ltd.	MOU
56	28/12/2021	Tender Tiger	LOI

Marketing & Partnerships Group 2021 - 2022

MoUs/Agreements signed with:



Marketing & Partnerships Group 2021 - 2022

Centers of Excellence

There are 9 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)

Talks are on for opening of new COEs with:

- Madhya Pradesh State Open School Education Board (MPSOEB) at Bhopal, Madhya Pradesh.
- Entrepreneurship Development Institute of India (EDII), Bhopal, Madhya Pradesh.



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.



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,



NISE 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.



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, an academic department of Indian Institute of Technology, Roorkee was established in the year 1982 and has celebrated 2007 as silver jubilee year.



This 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.

Marketing & Partnerships Group 2021 - 2022

Azadi Ka Amrut Mahotsav - World on Wheel (WoW)

SCGJ is combining efforts with Madhya Pradesh State Open School Education Board (MOSOSEB) for the aforesaid journey to celebrate the “Azadi ka Amrit Mahotsav” The purpose is to first “Involve the Guru” in the state’s EFA schools in the 53 districts, so that they first become aware of what is in store for them and the students to expand their knowledge and be skill worthy as “Hunar hai to kadam hai”.

The exposure to the courses will help children to finally decide by class 9th to then choose a course for skilling themselves in The required courses on skill development entrepreneurship will get included as a course taught in these schools.

For this program SCGJ have also joined hands with Entrepreneurship Development Institute of India (EDII). They have provided the mobile lab bus & Trainers called “World on Wheel” for this purpose. So far 52 districts have been covered out of the 53 districts, impacting 1380 teachers and principals.



Marketing & Partnerships Group 2021 - 2022

Celebration of World Environment Day “Yeh Dharti Hamari Hai”

- ✓ SCGJ's engagement on World Environment Day “Yeh Dharti Hamari Hai” on 5th June 2021.
- ✓ Team SCGJ celebrated the Environment Drive by doing relevant activities to create more awareness to save the environment.
- ✓ SCGJ's partners also celebrated World Environment Day by planting 2,291 saplings & plants.



Drives by Members / Partners



Partners Plantation Drive	
Neembu	450
Aldu Neem	300
Drumstick	250
Arjun	150
Kerunda	200
Jamun	50
Sisam	40
Others	101
Total	1541

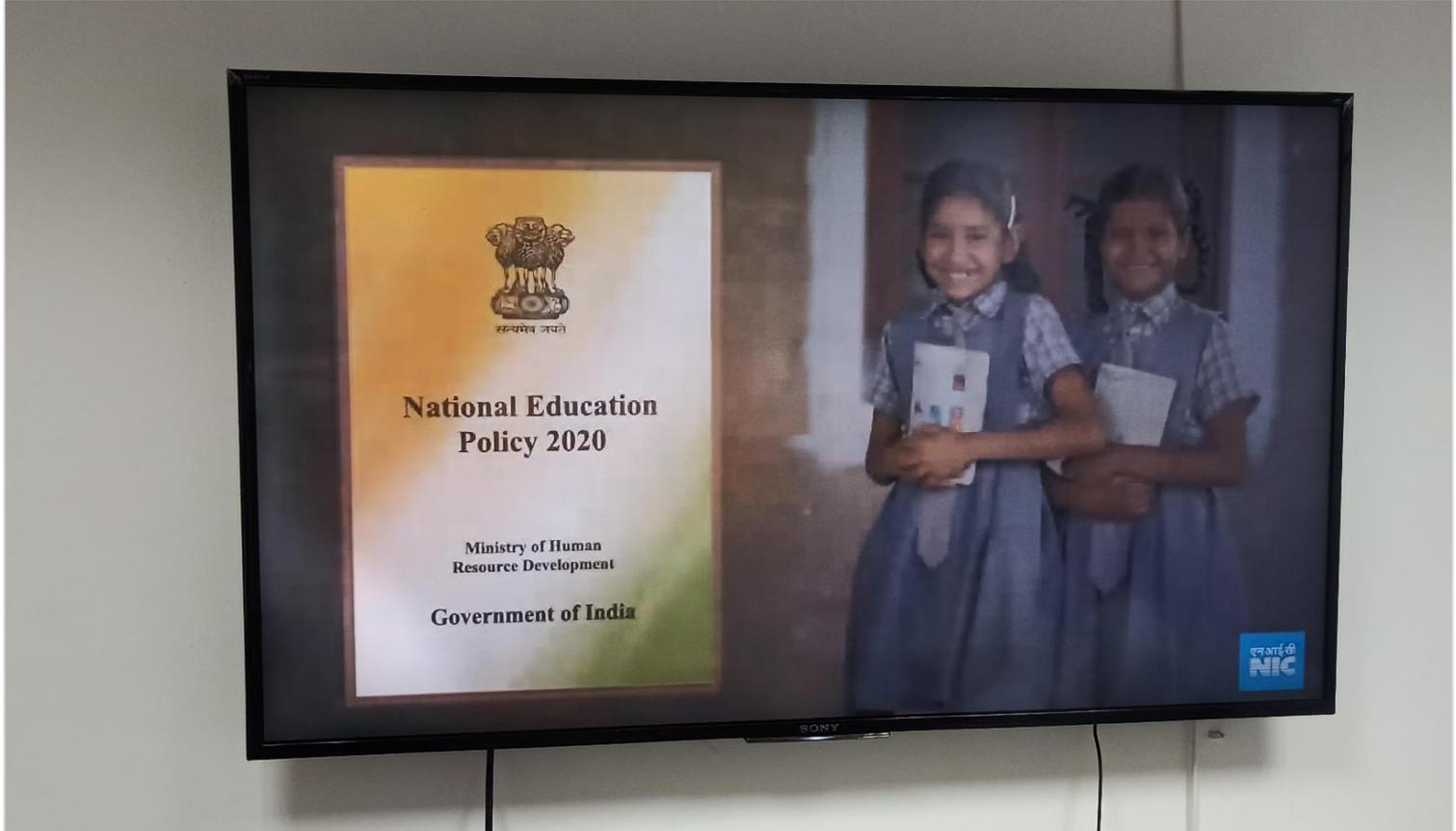


750 Saplings Planted

Total Saplings Planted 2291

Marketing & Partnerships Group 2021 - 2022

Hon'ble Prime Minister Shri Narendra Modi addressed the nation LIVE on the completion of one year of transformative reforms under National Education Policy 2020, on 29th July, 2021 at 4:30 PM. The SCGJ Team witnessed the address live.



Marketing & Partnerships Group 2021 - 2022

SCGJ News Letters During 2021-22



14th Issue (April 2021)



15th Issue (July 2021)



16th Issue (October 2021)



17th Issue (January 2022)



18th Issue (April 2022)



19th Issue (July 2022)

Marketing & Partnerships Group 2021 - 2022

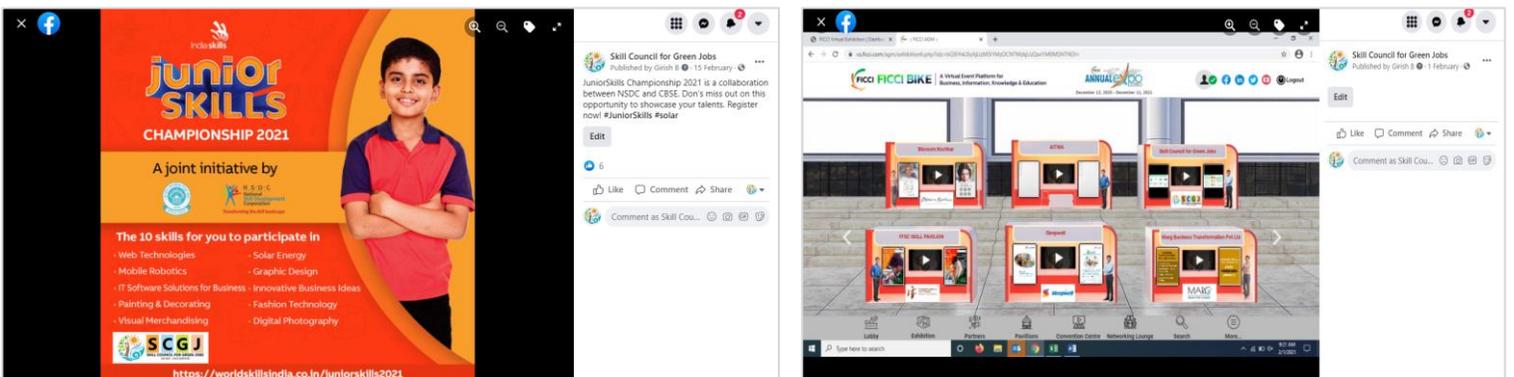
Social Media



SCGJ had **20,690 impressions** in FY 2021-2022



SCGJ had **38,952 impressions** in FY 2021-2022



SCGJ had **29,337 impressions** in FY 2021-2022



Social Media Highlights FY 2021 - 2022

Platform	Impressions	Followers till date
Facebook	38952	6808
Twitter	20690	2207
LinkedIn	29337	2606
Total	88979	11621

Marketing & Partnerships Group 2021 - 2022

Marketing Collaterals



Qualifications Developed

By Skill Council for Green Jobs



Solar Energy



1	Solar PV Installer (Suryamitra) SGJ/Q0101 v2.0
	NQR Code: 2021/EHW/SCGJ/04257
	Description: The Learner will be able to check, configure, install, inspect, test, and commission 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 Qualification

- ✓ **NSQF Level:** 4
- ✓ **Course Duration/Training Hours:** 300
- ✓ **Trainee Qualification:** 10th pass + ITI / Diploma (Electrical, Electronics, Civil, Mechanical, Fitter, Instrumentation/Welder)
- ✓ **Entry Age (Years):** Minimum age 18

Scan QR Code to access related content



2	Solar PV Installer - Electrical SGJ/Q0102 v2.0
	NQR Code: 2021/EHW/SCGJ/04258
	Description: The Learner will install, test, and commission different electrical 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:** 220
- ✓ **Trainee Qualification:** 10th + I.T.I (Electrical and Electronics)/Diploma (Electrical, Electronics) OR 10thpass+3 years of experience as Electrician
- ✓ **Entry Age (Years):** Minimum age: 18

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3	Solar PV Solar PV Installer - Civil SGJ/Q0103 v2.0
	NQR Code: 2021/EHW/SCGJ/04259
	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:** 170
- ✓ **Trainee Qualification:** 10th pass + ITI / Diploma (Civil/Mechanical/Fitter/Welder) OR 10 pass+3 years of experience as Mason
- ✓ **Entry Age (Years):** Minimum age: 18

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Solar Proposal Evaluation Specialist SGJ/Q0105 v2.0

NQR Code: [2021/EHW/SCGJ/04260](#)

4

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:** 80 (Optional :20)
- ✓ **Trainee Qualification:** Any Graduate with 3 Years of experience in a financial institution/bank/managing project finance/Post Graduate (MBA/CA)
- ✓ **Entry Age (Years):** Minimum age: 23

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to access related content



Rooftop Solar Grid Engineer SGJ/Q0106 v2.0

NQR Code: [2021/POW/SCGJ/04261](#)

5

Description: The Learner will be able to checks, audits, inspects and tests different components of the grid connected Solar PV Power Plant in compliance with all relevant codes, standards, and safety requirements. S/He will be able to interconnect the solar plant with grid and perform post commissioning tests.

Overview of Qualification

- ✓ **NSQF Level:** 5
- ✓ **Course Duration/Training Hours:** 80
- ✓ **Trainee Qualification:** B.E./B.Tech (Electrical, Mechanical or equivalent) OR Graduate (Science) with 2 Year of experience OR Diploma (Electrical or equivalent) with 1 Year of experience
- ✓ **Entry Age (Years):** Minimum age: 20

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to access related content



Solar PV Business Development Executive SGJ/Q0107 v2.0

NQR Code: [2021/POW/SCGJ/04262](#)

6

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. S/He would have fair understanding of the solar PV technology, its applications and economics. S/He would keep track of central and state solar policies/programs to inform the client and let him avail the benefits of same.

Overview of Qualification

- ✓ **NSQF Level:** 5
- ✓ **Course Duration/Training Hours:** 200
- ✓ **Trainee Qualification:** 10th Class+ 2 years ITI/Diploma with 3 years of relevant experience; OR BBA/B.Com, with 1 year of experience; OR B.Tech/BE/B.VoC (Renewable Energy or equivalent) with no experience
- ✓ **Entry Age (Years):** Minimum age: 21

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Solar PV Structural Assistant Design Engineer SGJ/Q0109 v2.0

NQR Code: [2021/POW/SCGJ/04263](#)

7

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:** 200
- ✓ **Trainee Qualification:** Diploma in Civil Engineering/Structural Engineering
- ✓ **Entry Age (Years):** Minimum age: 20

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Solar PV Designer SGJ/Q0110 v2.0

8

NQR Code: [2021/POW/SCGJ/04264](#)

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:** 200
- ✓ **Trainee Qualification:** Graduates (B. Tech/ B.E. in Solar/Electrical, Electronics, Civil, Mechanical/Energy Systems) with 5 years of Solar PV experience OR Post- Graduates (M. Tech in Solar/ Renewables/ Energy Studies) with 3 years of experience in the sector
- ✓ **Entry Age (Years):** Minimum age: 25

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to access related content



Solar PV Project Helper SGJ/Q0111 v2.0

9

NQR Code: [2021/EHW/SCGJ/04265](#)

Description: The Learner would be able to assist in site survey, erection and commissioning activities and maintenance activities for ground mounted solar PV power plants as well as roof top and also assist in installation of off grid solar systems.

Overview of Qualification

- ✓ **NSQF Level:** 2
- ✓ **Course Duration/Training Hours:** 200
- ✓ **Trainee Qualification:** Ability to read and write
- ✓ **Entry Age (Years):** Minimum age: 18

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Solar PV Engineer SGJ/Q0112 v2.0

10

NQR Code: [2021/EHW/SCGJ/04266](#)

Description: The Learner would be able to take responsibility of design, installation and commissioning of solar power plant at site, its quality QA and HSE issues. S/he would also prepare site feasibility report. Learner also given an option to opt training on Solar Water Pumping, as a part of learning, S/he would also be able to design, install and commission solar water pumping systems.

Overview of Qualification

- ✓ **NSQF Level:** 5
- ✓ **Course Duration/Training Hours:** 300 (Optional: 120)
- ✓ **Trainee Qualification:** B.E./B.Tech. OR Diploma (Electrical/Electronics/ Civil/Mechanical) with 2 years of relevant experience
- ✓ **Entry Age (Years):** Minimum age: 20

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Solar PV Project Manager(E&C) SGJ/Q0114 v2.0

11

NQR Code: [2021/EHW/SCGJ/04267](#)

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:** 200
- ✓ **Trainee Qualification:** B.E./ B.Tech. in Engineering and Technology with 6 years' of experience in renewable energy/power sector utilities/consulting firms/solar PV power plant installation and commissioning OR M.Sc. / BVoc with 5 years of experience in renewable energy/power sector utilities/consulting firms/solar PV power plant installation and commissioning OR M Tech/MBA, with 3 years of relevant experience in renewable energy/power sector utilities/consulting firms/solar PV power plant installation and commissioning.
- ✓ **Entry Age (Years):** Minimum age: 30

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12

Solar PV Maintenance Technician - Electrical (Ground Mount)

NQR Code: [2021/EHW/SCGJ/04268](https://www.scgj.govt.nz/2021/EHW/SCGJ/04268)

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:** 200
- ✓ **Trainee Qualification:** ITI - Electrical and Electronics
- ✓ **Entry Age (Years):** Minimum age: 18

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to access related content



13

Solar PV Manufacturing Operator SGJ/Q0119 v2.0

NQR Code: [2021/EHW/SCGJ/04269](https://www.scgj.govt.nz/2021/EHW/SCGJ/04269)

Description: The Learner would be able to clean and check front glass cover for the PV module; monitor 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:** 200
- ✓ **Trainee Qualification:** 10th pass
- ✓ **Entry Age (Years):** Minimum age: 18

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14

Solar Lighting Assembler SGJ/Q0201 v2.0

NQR Code: [2021/EHW/SCGJ/04270](https://www.scgj.govt.nz/2021/EHW/SCGJ/04270)

Description: The Learner would be able to perform assembly of different types of solar lamps, repair of solar lamps with safety. With an elective, S/he would be able to assemble and repair of solar home lighting systems and solar street lights.

Overview of Qualification

- ✓ **NSQF Level:** 4
- ✓ **Course Duration/Training Hours:** 220 (Elective: 40/40)
- ✓ **Trainee Qualification:** 8th Pass
- ✓ **Entry Age (Years):** Minimum age: 18

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Solar Energy

Potential Job role



15

Solar Photovoltaic Entrepreneur SGJ/Q0901 v1.0

NQR Code: [2022/ES/SCGJ/05148](https://www.ssgj.gov.sg/2022/ES/SCGJ/05148)

Description: The Learner would venture 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. Learner can prepare the feasibility study report and perform basic energy generation forecasting using simulation software for solar PV system and is also responsible for the managing the complete Solar PV project lifecycle.

Learner may choose at least one elective out of four electives. After the training, the candidate would be suitable to work as a Solar PV Entrepreneur across solar rooftop, solar pumping or ground mounted/utility scale solar space. S/he would create and operate a successful solar enterprise across the concerned sub domains.

Overview of Qualification

- ✓ **NSQF Level:** 4
- ✓ **Course Duration/Training Hours:** 520 hours including 120 Hours with Entrepreneurship+200 hours of 1 elective + 200 hours Mandatory OJT Or 720 hours including 120 Hours with Entrepreneurship +400 hours of 2 electives + 200 hours Mandatory OJT
- ✓ **Trainee Qualification:**
 - Class 12th with 3 years of relevant experience in solar sector Or
 - 10th plus ITI or Diploma in relevant trade, with 2 years of relevant experience in solar sector Or
 - Previous NSQF level attained: Level 4 with solar installation or related job role with at least one year of relevant work experience in solar sector Or
 - Graduate (BA/B.Sc./B Com/BBA) with one year of relevant work experience in solar sector Or
 - BE/BTech/ Post Graduate in relevant discipline
- ✓ **Entry Age (Years):** Minimum age 18

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Wind Energy



16	Project Assistant Planner - Wind Power Plant SGJ/Q1201 v2.0
	NQR Code: 2021/POW/SCGJ/04651
	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:** 250
- ✓ **Trainee Qualification:** Class 12th with Science OR ITI after Class 10th (in Electrical/ Mechanical/ Civil/ and related trades) or Government recognized 3 years Diploma (Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation)
- ✓ **Entry Age (Years):** Minimum age 18

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17	Wind Resource Assessor and Site Surveyor-Wind Power Plant SGJ/Q1202 v2.0
	NQR Code: 2021/POW/SCGJ/04652
	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:** 120 hours +100 hours (Optional OJT)
- ✓ **Trainee Qualification:** B.E./B.Tech (Electrical/ Mechanical/ Civil/ Electronics and Communication / Control & Instrumentation) Or Government recognized 3 years Diploma after class XII (Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation), with 2 years of relevant work experience
- ✓ **Entry Age (Years):** Minimum age: 21

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18	Construction Technician- Wind Power Plant SGJ/Q1401 v2.0
	NQR Code: 2021/POW/SCGJ/04656
	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:** 350 hours including common NOS: 50 hours; Elective : 200 hours and OJT (Optional 100 hours)
- ✓ **Trainee Qualification:** Class 12th with science with 1 year relevant work experience OR ITI after class 10th (in Electrician /Mechanical/ Fitter/Welder/ and related trades) with 1 year of relevant work experience OR Government recognized 3 years Diploma (in Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation)
- ✓ **Entry Age (Years):** Minimum age: 18

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Wind Power Plant SGJ/Q1501 v2.0

19

NQR Code: [2021/POW/SCGJ/04653](https://www.scgj.gov.sg/2021/POW/SCGJ/04653)

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:** 200+ 100 hours (Optional OJT)
- ✓ **Trainee Qualification:** B.E./B.Tech. (Electrical /Electronics/Instrumentation and control engineering/Mechanical/Computer and Communications)
- ✓ **Entry Age (Years):** Minimum age: 21

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O&M Mechanical Technician – Wind Power Plant SGJ/Q1502 v2.0

20

NQR Code: [2021/POW/SCGJ/04654](https://www.scgj.gov.sg/2021/POW/SCGJ/04654)

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:** 200 hours + 100 hours (Optional OJT)
- ✓ **Trainee Qualification:** Class 12th with science with 1 year relevant work experience or ITI after Class 10th (Electrician /Mechanical/ Fitter/Welder/ and related trades) with 1 year of relevant work experience Or Government recognized 3 years Diploma (Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation)
- ✓ **Entry Age (Years):** Minimum age: 18

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O&M Electrical & Instrumentation Technician – Wind Power Plant SGJ/Q1503 v2.0

21

NQR Code: [2021/POW/SCGJ/0465](https://www.scgj.gov.sg/2021/POW/SCGJ/0465)

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:** 200 hours + 100 hours (Optional OJT)
- ✓ **Trainee Qualification:** Class 12th with science with 1 year relevant work experience OR ITI after class 10th (in Electrician /Mechanical/ Fitter/Welder/ and related trades) with 1 year of relevant work experience OR Government recognized 3 years Diploma (in Electrical/ Mechanical/ Civil/Electronics & Communication / Control & Instrumentation)
- ✓ **Entry Age (Years):** Minimum age: 18

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Small Hydro



Small Hydro Power Plant Technician (Jal Urja Mitra) SGJ/Q0604 v1.0

NQR Code: [2021/POW/SCGJ/04657](https://www.nqr.gov.in/2021/POW/SCGJ/04657)

22

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:** 250
- ✓ **Trainee Qualification:** Class 12th with science with 1 year relevant work experience or ITI after Class 10th (in Electrical/ Mechanical/ Civil/ Instrumentation and related trades) with 1 year of relevant work experience or Government recognized 3 years Diploma (Electrical/ Mechanical/ Civil/ Control & Instrumentation)
- ✓ **Entry Age (Years):** Minimum age 18

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Biomass Management



Recyclable Waste Collector and Segregator SGJ/Q6101 v2.0

NQR Code: [2021/WSSWM/SCGJ/04271](https://www.wsswm.gov.in/2021/WSSWM/SCGJ/04271)

23

Description: The Learner would be able to properly collect, identify different types of waste and segregate at source or at collection center as per recycling / reuse / disposal requirement. S/he also ensure health and safety at the workplace. As an entrepreneur S/he would be able to venture into entrepreneurship for recyclable waste collection.

Overview of Qualification

- ✓ **NSQF Level:** 4
- ✓ **Course Duration/Training Hours:** 160
- ✓ **Trainee Qualification:** Ability to read and write
- ✓ **Entry Age (Years):** Minimum age 16

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Safai Karamchari SGJ/Q6102 v2.0

NQR Code: [2021/WSSWM/SCGJ/04272](https://www.wsswm.gov.in/2021/WSSWM/SCGJ/04272)

24

Description: The Learner would be able to sweep with a broom and / or other suitable equipment to remove dust, debris and garbage. In buildings, s/he will be able to sweep the floor, scrub the floor using appropriate cleaning solution to remove the fine dust. As an elective for wet cleaning, S/he would specialize in wet cleaning, cleaning and washing bathrooms, lavatory and removing garbage and other waste in closed dustbin. As an elective for mechanized cleaning, S/he will specialize in mechanized cleaning sweeps, cleaning and removing garbage with the help of vacuum cleaner, mechanical sweeper, mechanical sweeper ride and mechanized scrubbing machine.

Overview of Qualification

- ✓ **NSQF Level:** 3
- ✓ **Course Duration/Training Hours:** 200 (Elective:40/40)
- ✓ **Trainee Qualification:** Ability to read and write
- ✓ **Entry Age (Years):** Minimum age: 18

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Waste Picker SGJ/Q6103 v2.0

NQR Code: [2021/WSSWM/SCGJ/04273](https://www.wsswm.gov.in/2021/WSSWM/SCGJ/04273)

25

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:** 3
- ✓ **Course Duration/Training Hours:** 160
- ✓ **Trainee Qualification:** Not Applicable
- ✓ **Entry Age (Years):** Minimum age: 18

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Animal Waste Manure Aggregator SGJ/Q6302 v 2.0

26

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

Plant Head- Operations (Compressed Biogas/Waste To Energy) SGJ/Q0607 v1.0

27

NQR Code: [2022/WSSWM/SCGJ/05145](https://www.wsswm.gov.in/SCGJ/05145)

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./B.E (Agriculture/ Environment /Civil/Mechanical/Electrical Engineering or Equivalent) with 8 Years of experience in the relevant field OR MTech /Post Graduate (Agriculture/Environment science) or in any relevant discipline with 6 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 Certified 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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Biomass Depot Operator SGJ/Q6207 v2.0

28

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

Manager- Waste Management SGJ/Q6501 v2.0

29

NQR Code: [2022/WSSWM/SCGJ/05149](https://www.wsswm.gov.in/SCGJ/05149)

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 Graduate in relevant discipline with 3 Years of experience in the relevant field Or BE (Agricultural Engineering) / BE/BTech in relevant discipline, with 2 years of experience in the relevant field Or MSc Agriculture 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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30

Technician - Operations and Maintenance (Compressed Biogas/Waste to Energy) SGJ/0606 v1.0NQR Code: [2022/WSSWM/SCGJ/05146](https://www.wsswm.sg/2022/WSSWM/SCGJ/05146)

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:** : Theory: 92, Practical: 168 OJT: 160; Total: 420
- ✓ **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 recognized 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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31

Supervisor - Operations & Maintenance (Compressed Biogas/Waste to Energy) SGJ/Q0605 v1.0NQR Code: [2022/WSSWM/SCGJ/05147](https://www.wsswm.sg/2022/WSSWM/SCGJ/05147)

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 recognized 3 years Diploma (Electrical/ Mechanical/Civil/ Agriculture/ Electronics & Communication / Control & Instrumentation) with 2 Years of experience in relevant field OR Graduate; BE/BTech (Agriculture/ Environmental Engineering or equivalent) OR Post Graduate (MSc Environment Science or equivalent); MTech (Agriculture/ Environmental Engineering or Equivalent) 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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32

Feedstock Manager - Procurement and Composition SGJ/Q0501 v1.0NQR Code: [2022/WSSWM/SCGJ/05144](https://www.wsswm.sg/2022/WSSWM/SCGJ/05144)

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 including 400 Hours of compulsory modules+ 100 hours mandatory OJT + 100 hours Recommended OJT
- ✓ **Trainee Qualification:** Graduate with 3 Years of experience in the relevant field Or Diploma (Government recognized 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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33

Agri-residue Aggregator SGJ/Q6201 v2.0 (Potential Job role)

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:** 350
- ✓ **Trainee Qualification:** 10th Pass or Ability to read and write with 5 years of relevant experience
- ✓ **Entry Age (Years):** Minimum age 16

Clean Cooking



34

Improved Cookstove Installer SGJ/Q2101 v2.0

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

35

Portable Improved Cookstove Assembler SGJ/Q2102 v2.0

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

36

Clean Cookstove Sales and Maintenance Executive SGJ/Q2104 v2.0

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:** 10th Pass with 2 years of relevant experience or Certified Portable Improved Cookstove Assembler at NSQF level 3 with 1 year of relevant work experience
- ✓ **Entry Age (Years):** Minimum age 16

37

Clean Cookstove Distributor SGJ/Q2105 v2.0

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 4 years of relevant experience/ Certified Clean Cookstove Sales and Maintenance Executive at NSQF level 4 with 2 years of relevant work experience/ Certified Improved Cookstove Installer at NSQF level 4 with 1 years of relevant work experience/ BBA with no experience/ Any graduate with 1 year of experience
- ✓ **Entry Age (Years):** Minimum age 21

Waste Water Management



Waste Water treatment plant technician SGJ/Q6601 v2.0

NQR Code: [2021/WSSWM/SCGJ/04274](https://www.nqr.gov.sg/nqr/2021/WSSWM/SCGJ/04274)

38

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 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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Wastewater treatment plant Helper SGJ/Q6602 v2.0

NQR Code: [2021/WSSWM/SCGJ/04275](https://www.nqr.gov.sg/nqr/2021/WSSWM/SCGJ/04275)

39

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: 8th Pass
- ✓ Entry Age (Years): Minimum age: 18

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Septic Tank Technician SGJ/Q6402 v1.0

NQR Code: [2019/ES/SCGJ/3328](https://www.nqr.gov.sg/nqr/2019/ES/SCGJ/3328)

40

Description: The Learner would be able to excavate, fabricate and install fixed septic tanks as per as per Central Public Health and Environmental Engineering Organization(CPHEEO) norms. S/he also able to install prefabricated septic tanks at the site(commercial/institutional/residential). He/ She also undertake the work of repair and maintenance of existing septic tanks.

Overview of Qualification

- ✓ NSQF Level: 4
- ✓ Course Duration/Training Hours: 80
- ✓ Trainee Qualification: 5th Pass, Minimum experience of 3 year in masonry work
- ✓ Entry Age (Years): Minimum age: 19

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Faecal Sludge Treatment Plant O&M Technician SGJ/Q6404 v1.0

41

NQR Code: [2019/ES/SCGJ/3330](#)

Description: The Learner would carry out day-to-day operations of the FSTP. He /She would be able to identify repair and maintenance tools and equipment at FSTP and responsible for routine maintenance of pumps, engines, motors, filters, bar screens, valves, pipes, and any other equipment used in FSTP.

Overview of Qualification

- ✓ NSQF Level: 4
- ✓ Course Duration/Training Hours: 200
- ✓ Trainee Qualification: ITI or Equivalent
- ✓ Entry Age (Years): Minimum age: 18

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Desludging Operator SGJ/Q6403 v1.0

42

NQR Code: [2019/ES/SCGJ/3329](#)

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. As an entrepreneur he/she would venture into desludging services for managing Faecal Sludge.

Overview of Qualification

- ✓ NSQF Level: 4
- ✓ Course Duration/Training Hours: 120
- ✓ Trainee Qualification: 5th Pass
- ✓ Entry Age (Years): Minimum age: 18

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Sustainable Practices



43	Technician-Paper Bag Manufacturing SGJ/Q8701 v1.0
	NQR Code: 2020/PPP/SCGJ/03879
	Description: The Learner would make eyelets and fix the handle or paste paper twisted rope handle to manufacture the final product and suitably pack the finished product for dispatch to the customer. S/he would follow applicable safety standards and improve soft skills.

<p>Overview of Qualification</p> <ul style="list-style-type: none"> ✓ NSQF Level: 3 ✓ Course Duration/Training Hours: 225 ✓ Trainee Qualification: Ability to read and write ✓ Entry Age (Years): Minimum age 18 	<p>Scan QR Code to access related content</p> 
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2	Paper Bag Maker SGJ/Q8702 v1
	NQR Code: 2020/PPP/SCGJ/038803324
	Description: The Learner would source and use different kind of papers as per client requirement and sell paper bags through different channels. S/he ensures compliance with statutory requirements for setting up of the production unit. S/he develop Entrepreneurship skills to acquire requisite infrastructure/land. S/he is also responsible for overall management, recruitment and sustenance of the business.

<p>Overview of Qualification</p> <ul style="list-style-type: none"> ✓ NSQF Level: 5 ✓ Course Duration/Training Hours: 130 ✓ Trainee Qualification: 8th Pass with 2 Years ITI program or 10th Class or Certified Paper Bag Technician with 3-5 Years of experience ✓ Entry Age (Years): Minimum age: 18 	<p>Scan QR Code to access related content</p> 
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6th Annual General Meeting

Minutes of the Meeting



Minutes of 6th Annual General Meeting

The 6th Annual General Meeting of the Skill Council for Green Jobs was held at 12:15 PM (IST) on 21st September, 2021 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. K. Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ
3. Col. Arun Kumar Chandel, Sr Head, National Skill Development Corporation
4. Mr. Sougata Roy Choudhury, ED, Confederation of Indian Industries (CII)
5. Mr. Saurabh Sanyal, Secretary General, PHD Chambers of Commerce and Industry
6. Mr. O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association (IWTMA)
7. Dr. K Balaraman, Director General, National Institute of Wind Energy
8. Prof. Arun Kumar, AHEC, IIT Roorkee
9. Mr. Kacho Ahmad Khan, Chief Executive Officer, KREDA
10. Dr. A K Tripathi, Former Director General, National Institute of Solar Energy
11. Dr. P Kanagavel, Director and Division Head, National Institute of Wind Energy
12. Mr. P. Sreenivasan, GM (HR), IREDA
13. Mr. Sunil Jain, Operating Partner, Essar Capital (Former CEO & ED, Hero Future Energies)
14. Mr. Sudhir Agarwal, Chairman & Managing Director, Patanjali Renewables
15. Mr. Amar Variawa, Director, Marketing & Public Affairs, Vestas Wind Technology
16. Mr. Arun Sharma, MD, Himalaya Power Producers Association
17. Mr. Atul Saxena, Chief Executive Officer, Grow diesel Ventures Ltd.
18. Mr. Abhinav Mahajan, Director, Integrated Batteries Pvt. Ltd.
19. Mr. Abhimanyu Sahu, Director Marketing, Schneider Electric India Foundation
20. Ms. Taniya Nandi, Head HR
21. Mr. N.B. Majumdar, Chief Executive Officer, Sulabh International
22. Mr. Manohar Krishna, Managing Director, Kam-Avida Enviro Engineers Pvt. Ltd.
23. Mr. Vijay Rathi, Managing Director, Energy Devices
24. Col. Rohit Dev, Bharatiya Skill Development University
25. Mr. Rajesh Kulkarni, Head Strategic Business Asia Pacific, Hensel Electric India Pvt Ltd
26. Mr. Amit Arokar, Director, ECE (India) Energies Pvt. Ltd.
27. Ms. Shelley, IT Power Private Limited
28. Ms. Neha Sharma, Greenway Grameen Infra Pvt. Ltd.
29. Mr. Kishore Garg, Project Manager, MP State Open School Education Board
30. Mr. Imteyaz Ali, Proprietor, Sarthak E - Waste Pvt. Ltd.
31. Mr. Chandan Goswami, Clean India Ventures Pvt. Ltd.
32. Mr. Xerxes Rao, Satyam Grama Sangham
33. Mr. Giriraj Sharma, Proprietor, Balaji Management and Services Pvt. Ltd.
34. Mr. Sobins K, Bioway Packs Pvt. Ltd.
35. Dr P. Saxena, CEO, Skill Council for Green Jobs - Member Secretary

Also present:

36. Mr. Pushpinder Tiwari, Partner, VTDC
37. Dr. (Mrs.) P. Dhamija, Advisor - Biomass and Sustainable Livelihoods, SCGJ
38. Ms. Sangeeta Patra, Head - Marketing and Partnerships, SCGJ
39. Mr. Arpit Sharma, Head - Assessment and Assurance, SCGJ
40. Mr. Deepak Rai, Head - Standards and Research, SCGJ

The Meeting commenced its proceedings with the approval of the Chairman.

Welcome and opening remarks by the Chairman.

Minutes of 6th Annual General Meeting

Mr. Sameer Gupta, Chairman, SCGJ, welcomed members present in the 6th Annual General Meeting of SCGJ.

1. He mentioned that the last few months especially during the second COVID wave have been challenging for the entire country, however now India's economy is getting back on track and poised to rebound sharply after two waves of the Covid pandemic dampened growth. He emphasized that, there is a huge opportunity for the entire industry, besides SCGJ across renewable energy, energy efficiency, energy security, EV and smart mobility, battery storage, green construction, and now green hydrogen domain. He mentioned that perhaps in the post COVID World, skilling techniques and methodology may change but they will continue to have a massive role to play to drive the future economic growth.
2. He mentioned that the various learnings have been made at SCGJ and the council have done a commendable job in adopting digitization by utilizing online and digital tools. SCGJ's Strategy has been to adopt digitization and enhance their participation in various initiatives in skilling across the green business sector. Despite limitations, a lot of good work has happened in 20-21 and in the first seven month of current FY. He also highlighted that Hon'ble PM during the Independence Day speech spoke about the role of environment, waste and water management, renewable energy, green hydrogen and green economy to make India truly independent and SCGJ will have to play a significant role in realizing those objectives. He indicated that the pandemic has further created an opportunity for smart usage of CSR funds.
3. Chairman, SCGJ gave a snapshot of some major activities conducted during 2020-21. He mentioned that SCGJ, through GIZ support has developed an online training module for technicians of waste water treatment plants and for solar grid engineers. Both the e-learning contents are aligned to SCGJ QPs. He mentioned that as renewable energy has been introduced for the first time in World Skills; SCGJ has taken a unique initiative to launch "Foundation Programme on Renewable Energy for India Skills 2021" with a focus to train and prepare interested registered candidates for India Skills 2021 and World Skills 2022 to be held in Shanghai. SCGJ is also participating in the 1st JuniorSkills championship on Solar Energy in association with NSDC and CBSE. He informed the members that SCGJ has applied to NCVET to be an awarding Body in the Sectors of Environmental Science (Renewable Energy, Clean Cooking, Waste Management, Water, Green Construction, Green Business).
4. Mr. Gupta mentioned that the focus on green growth and green jobs in the this year's PM Independence Day's speech highlights the importance of all existing and future skilling interventions across the green business sector and the enormous opportunities this will offer in the next 5-10 years. Hon'ble PM in his speech mentioned how new opportunities from Green. Growth to Green Jobs are opening up today for our start-ups & youth. He mentioned in that reference, SCGJ has also prepared its Business Plan for 2021-2030, which is aligned with the targets of the country. He emphasized that India's mission is to be energy independent before 2047 and its focus on green business segment calls for added focus on scaling up skilling and reskilling activities across the green business sector. Chairman started with the formal agenda of the meeting.

Agenda Item 6.01

To grant Leave of Absence to the members not present in the meeting.

6.01.01 | The Chairman was requested to grant leave of absence to the members not present in the meeting.

6.01.02 | The Chairman granted leave of absence to all members not present in the Annual General Meeting.

Agenda Item 6.02

Presentation of Minutes of the Fifth Annual General Meeting of SCGJ held on 24th September, 2020

6.02.01 | Minutes of the 5th Annual General Meeting of SCGJ held on 24th September, 2020 were circulated to all the members. It was informed that no comments were received. The minutes were presented before the Members of General Body.

6.02.01 | The General Body members approved the Minutes of 5th Annual General Meeting.

Minutes of 6th Annual General Meeting

Agenda Item 6.03

Action Taken Report on the decisions of the 5th Annual General Meeting of SCGJ.

6.03.01 | The General Body noted the actions taken on the decisions taken in the 5th Annual General Meeting.

Agenda Item 6.04

Presentation of Activities of SCGJ during 2020-21

6.04.01 | CEO, SCGJ made a presentation before the General Body on the activities of SCGJ during the year 2020-21 and in the first two quarter of the year 2021. He briefly outlined the mandate of SCGJ in creating skilled manpower and a large number of entrepreneurs across its multiple sub-sectors including renewable energy, waste management and sustainable development. The members were informed that SCGJ analyzes the market requirement of all key sectors, undertakes skills gap studies, carries out occupational mapping exercise and accordingly develops Qualification Packs and other courseware for training purpose. Subsequently training and certification of candidates in various domain subsectors are carried out.

Affiliation of suitable training partners and assessment agencies along with Training of Trainers and Assessors are two important activities which are continuously carried out by SCGJ. In addition, a range of consultancy assignments are also being carried out across skilling and capacity building in green business spectrum.

6.04.02 | CEO, SCGJ informed that a major limitation during the pandemic time was that no physical trainings were conducted, though gradually some assessments were done later on. However, with the restrictions on classroom trainings, SCGJ adopted E-Learning through launching SCGJ E Learning Management System (SEMS) during Aug 2020 to accelerate the transition towards virtual training. In addition, SCGJ ventured into designing and delivering 'online courses', and virtual trainings, which included delivering multiple trainings on many themes in solar in various languages across trainees from 42 ISA member countries. SCGJ has also developed two Greening NOSs which are being adopted by all SSCs for the QPs development. In that reference, he mentioned that SCGJ is also developing courseware for effectively incorporating greening attributes across all job roles.

6.04.03 | Dr. Saxena mentioned that upgrading knowledge and skills of its certified trainers by international experts has been a unique activity of SCGJ during the year. He mentioned that, SCGJ, through GIZ support, has also developed an online training module for technicians of waste water treatment plants and for solar grid engineers where both the e-learning content are aligned to concerned SCGJ QPs.

6.04.04 | He informed the members that Renewable Energy has also been introduced for the first time in World Skill and in that reference, SCGJ has taken a unique initiative to launch "Foundation Programme on Renewable Energy for India Skills 2021" to train and prepare interested registered candidates for India Skills 2021 and World Skills 2022 to be held in Shanghai. Since receiving gold medal in water technology during the World Skills 2019, the expectations and responsibility of SCGJ has tremendously increased and all efforts are currently underway to bring laurel in both these categories during the World Skills 2022. He mentioned that SCGJ is also participating in the 1st JuniorSkills championship on Solar Energy in association with NSDC and CBSE. Jakson Group shall be supporting SCGJ in delivering these trainings and Chairman, SCGJ has already announced that winners may be considered for potential employment with the Jakson Group.

6.04.05 | CEO, SCGJ indicated that as a key development; SCGJ has applied to NCVET to be an awarding Body in the Sectors of Environmental Science (Renewable Energy, Clean Cooking, Waste Management, Water, Green Construction, Green Business). A detailed presentation to NCVET was made on 2nd September, 2021 and SCGJ is hopeful to be recognized as an awarding body. He emphasized that the focus on green growth and green jobs in the PM Independence Day's speech highlights the importance of all existing and future skilling interventions across the green business sector and the enormous opportunities this will offer in the next 5-10 years.

Minutes of 6th Annual General Meeting

6.04.06 | It was also informed that SCGJ has completed and also continuing with various consultancy and sponsored projects, including the following, which were started during 2020-21:

- Online Skill Training course for ETP/CETP/STP operators/technicians by GIZ
- Scoping study on "Green Jobs and Eco-entrepreneurship opportunities for women" by UNDP
- FCDO supported activity on developing QPs Bio-CNG
- Online Solar Energy Training program for ISA member countries
- Indian Rooftop PV Installers Skilling & Employment (IRISE) project of GIZ

6.04.07 | CEO, SCGJ also informed that GIZ Funded Project Indian Rooftop PV Installers Skilling and Employment (IRISE) is a key project currently being undertaken. Standards and Research division has been carrying out various Occupational Mapping and Skill Gap Analysis studies and Developing National Occupational Standards across a range of new segments including Pollution Control and Environmental Conservation, Small Hydro, Solar Water pumps, including micro irrigation; and micro grids. Two key reports namely "Creating Jobs and Income: Solar Mini Grids making difference in Rural India" and "Employment Potential of Emerging Renewable Energy Technologies, Insights from The Floating Solar Sector Case Study" has been published by SCGJ, CEEW, and NRDC in March 2021. Further, An Impact Assessment Report for Suryamitra Training Program, has also been completed in December 2020. He apprised the members about GIZ supported e- Learning platform on waste water plant technician and solar grid engineer have also been made operational and multiple E content have also been developed on waste management through HCL CSR support. Further, a video documenting best industry practices in solar rooftop installation has also been developed with support from Hero Future Energies.

6.04.08 | As part of the major activities of Assessment and Assurance group, he outlined the numbers of candidates certified during April 2020-August 2021 across various schemes along with total trainers and assessed trained under multiple TOTs and TOAs. As part of Safaimitra Suraksha Challenge, an MoHUD program; SCGJ has conducted the trainings of Desludging operators in 10 States resulting in over 3100 trained candidates. Safai Karmachari Training under Sankalp Project has also been carried out where 480 candidates working in Panchayats of districts Varanasi and Chandauli have been trained under RPL. The certificates were given by the Minister of Skill Development and Entrepreneurship, Hon'ble Shri Mahendra Nath Pandey. Further, SCGJ is facilitating organization of India Skills in renewable Energy and Water Technologies and preparing the candidates for both India Skills 2021 and World Skills 2022, from all over the country. SCGJ has also organized weekly Industry Led preparation Sessions for the registered candidates and so far 10 such sessions have been organized.

6.04.09 | As part of major activities of the Marketing & Partnerships Group, he indicated that SCGJ achieved enrollment of 97.33% and assessment of 93.59% of the total target of 3,08,209 numbers under RPL Type 4- Best in Class Employer "BiCE" Certification Program under PMKVY. SCGJ also Participated in over 45 advocacy, skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas; majority of which were done online. SCGJ is also actively participating in "Involve the Guru" Skilling Entrepreneurship –A combined effort with Madhya Pradesh State Open School Education Board (MPSOSEB) to celebrate the "Azadi ka Amrit Mahotsav" through World on Wheels (WOW) of Entrepreneurship Development Institute of India (EDII). The Members noted the progress and complemented SCGJ team under the guidance of Mr. Sameer Gupta, Chairman for its commendable work.

Agenda Item 6.05

To receive, consider and adopt the Annual Report and audited financial statements for the Financial Year ending 31.03.2021

6.05.01 | Dr. Saxena, CEO, SCGJ informed that important activities of Skill Council for Green Jobs during its sixth year of operation (20-21) are presented in the Annual Report 2020-21. The Annual report was circulated to all members through e mail along with agenda papers

6.05.02 | The General Body received, considered and adopted the Annual Report and audited financial statements for the Financial Year ending 31.03.2021, 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."

Minutes of 6th Annual General Meeting

Agenda Item 6.06

To consider and approve appointment of auditor for the financial year 2021-22

6.06.01 | The General Body Members were informed that M/s V.D. Tiwari & Co., Chartered Accountant, Delhi (Firm Registration No. 002882N) was appointed by the SCGJ as Statutory Auditors for the Year 2020-21 with the approval of General Body. Dr. Saxena informed the Members that the services of M/s V.D. Tiwari and Co. had been found satisfactory and proposed to continue their services during 2021-22.

6.06.02 | The General Body considered and approved appointment of auditor for the financial year 2021-2022 by passing the following resolution: “RESOLVED THAT pursuant to the provisions of the Societies Registration Act, 1860, and other applicable provisions, if any, M/s V.D. Tiwari & Co., Chartered Accountant, Delhi (Firm Registration No. 002882N) 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 6.07

Any other item, with the permission of the Chair Suggestions of Members.

6.07.01 | The Issue of Converting SCGJ to as a Section 8 Company has been differed due to the fact that SCGJ has applied to NCVET to be an “Awarding Body”. All papers of SCGJ have been submitted as registered society. A detailed presentation has also been made to NCVET. This decision may take a few months from NCVET side. A due consultation was held with some other SSCs on the subject. It was felt there is no distinct advantage at this stage in the said conversion. SCGJ can take a view on the subject after affiliation with NCVET as Awarding Body Dr Arun K. Tripathi, former DG NISE suggested that SCGJ may go for partly section 8 company with some of its activities, e.g. entrepreneurship development or some other part of the organization, rather than the whole organization.

6.07.02 | Prof. V.K Vijay, Biogas Research Group, IIT Delhi informed the members about activities of Unnat Bharat Abhiyan which is implemented by the Ministry of Education with a Mission to enable higher educational institutions to work with the people of rural India in identifying development challenges. He mentioned that they would like to collaborate with SCGJ to provide skilling interventions particularly across solar, biomass, biogas, smart grids with an objective to scale up livelihood opportunities in rural areas. Chairman, SCGJ mentioned that skilling and capacity building in decentralized renewable energy across rural areas is a key focus area of SCGJ and SCGJ will be happy to support the efforts of IIT Delhi towards strengthen the training framework in rural areas. This will also be a good opportunity for SCGJ as well for extending its reach to rural areas.

6.07.03 | Mr. Majumdar, Sulabh International emphasized that he is in agreement with Prof. Vijay with regards to converging activities for rural development and suggested for improving focus on skilling activities on providing drinking water, irrigation and managing waste water activities as those provides huge opportunities for rural development.

6.07.04 | Dr. Arun Tripathi, former DG NISE suggested that SCGJ should have an exclusive job portal designed for the wider aspirants in green business sector. He also suggested if long term certificate courses in collaboration with IGNOU or any other such institution can be implemented.

6.07.05 | Mr. Vijay Rathi, MD, Energy Devices mentioned that requirement of skilled workforce in the industry surpasses the availability of such a workforce. He also suggested that solar water pumping provides an opportunity for both rural development and jobs creation in off grid or rural areas. He also seconded on the requirement for a job portal to help the candidate apply for various jobs in the segment. Other Members also felt that SCGJ may have an exclusive job portal.

6.07.06 | Mr. Imityaz Ali, Proprietor, Sarthak E - Waste Pvt. Ltd. suggested that more focus shall be provided on creating skilling opportunities in waste management particularly for ragpickers.

Minutes of 6th Annual General Meeting

6.07.07 | Mr. Kacho Ahmad Khan, CEO, Kargill Renewable Development Agency (KREDA) requested SCGJ to design skilling programmes to be implemented in UT of Laddakh. It was suggested that SCGJ may also consider implementing some standalone training program in UT Laddakh through industry funding or CSR support. Chairman, SCGJ thanked the members for their suggestion and highlighted that SCGJ has a key focus on rural development as well as evident by multiple qualifications focusing on that segment, besides wider skilling in urban areas to meet the demands of industries. On behalf of the members, Dr Saxena thanked Chairman, SCGJ for conducting both GC and AGM. Chairman, SCGJ also thanked the members for their participation in the meeting and conveyed that with their support SCGJ will continue to evolve and undertake a range of skilling interventions across the green business sector.

The meeting ended with a vote of thanks to the Chair.

13th & 14th Governing Council Meeting

Minutes of the Meeting



Minutes of 13th Governing Council Meeting

The 13th Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.00 AM (IST) on 21st September, 2021, under the Chairmanship of Mr. Sameer Gupta, Chairman and Managing Director, Jakson Group, through video conferencing.

Following GC Members were present in the meeting:

1. Mr. Sameer Gupta, CMD, Jakson Group - In Chair
2. Mr. K. Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ
3. Col. Arun Kumar Chandel, Sr Head, National Skill Development Corporation
4. Mr. Sougata Roy Choudhury, ED, Confederation of Indian Industries (CII)
5. Mr. Saurabh Sanyal, Secretary General, PHD Chambers of Commerce and Industry
6. Mr. O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association (IWTMA)
7. Dr. K Balaraman, Director General, National Institute of Wind Energy
8. Prof. Arun Kumar, AHEC, IIT Roorkee
9. Mr. Kacho Ahmad Khan, Chief Executive Officer, KREDA
10. Dr. A K Tripathi, Former Director General, National Institute of Solar Energy
11. Dr. P Kanagavel, Director and Division Head, National Institute of Wind Energy
12. Mr. P. Sreenivasan, GM (HR), IREDA
13. Mr. Sunil Jain, essarcapital Former CEO & ED, Hero Future Energies Ltd
14. Mr. Sudhir Agarwal, Chairman & Managing Director, Patanjali Renewables
15. Mr. Amar Variawa, Director, Marketing & Public Affairs, Vestas Wind Technology
16. Mr. Arun Sharma, MD, Regency Power Group
17. Mr. Atul Saxena, Chief Executive Officer, Growdiesel Ventures Ltd.
18. Mr. Abhinav Mahajan, Director, Integrated Batteries Pvt. Ltd.
19. Mr. Abhimanyu Sahu, Director Marketing, Schneider Electric India Foundation
20. Ms. Taniya Nandi, Head HR
21. Dr. P. Saxena, CEO, Skill Council for Green Jobs - Member Secretary

Also present:

22. Mr. Pushpinder Tiwari, Partner, VTDC
23. Mr. Jan Ebben, National Skill Development Corporation
24. Dr. (Mrs.) P. Dhamija, Advisor - Biomass and Sustainable Livelihoods, SCGJ
25. Ms. Sangeeta Patra, Head - Marketing and Partnerships, SCGJ
26. Mr. Arpit Sharma, Head - Assessment and Assurance, SCGJ
27. Mr. Deepak Rai, Head - Standards and Research, SCGJ

The Meeting commenced its proceedings with the approval of the Chairman.

Minutes of 13th Governing Council Meeting

Welcome and opening remarks by the Chairman

1. Mr. Sameer Gupta, Chairman Skill Council for Green Jobs welcomed members to the 13th Governing Council meeting which was held virtually. He mentioned that the last few months especially during the second COVID wave have been challenging for the entire country, however now India's economy is getting back on track and poised to rebound sharply after two waves of the Covid pandemic dampened growth. India is also on track to achieve a USD 5 trillion economy by 2025 and skilling will be key to achieve that. He emphasized that, there is a huge opportunity for the entire industry, besides SCGJ across renewable energy, energy efficiency, energy security, EV and smart mobility, battery storage, green construction, and now green hydrogen domain. He mentioned that perhaps in the post COVID World, skilling techniques and methodology may change but they will continue to have a massive role to play to drive the future economic growth. He highlighted the various learnings have been made at SCGJ and the council have done a commendable job in adopting digitization by utilizing online and digital tools. SCGJ's Strategy has been to adopt digitization and enhance their participation in various initiatives in skilling across the green business sector. Despite limitations, a lot of good work has happened in 20-21 and in the first seven month of current FY. He also highlighted that Hon'ble PM during the Independence Day speech spoke about the role of environment, waste and water management, renewable energy, green hydrogen and green economy to make India truly independent and SCGJ will have to play a significant role in realizing those objectives. Mr. Gupta invited Mr K Krishan, former Chairman, SCGJ to share his experience and recent developments in BRICS Business Council activities.
2. Mr. K Krishan mentioned that he has been involved with the, Energy and Green Economy the working group of the BRICS Business Council; along with the preparations for Climate week at the World Expo in Dubai, and COP 26 at Glasgow where rule book of the Paris Agreement will be approved. He indicated that some of the key outcome of the BRICS Energy and Green Economy working group which have been approved by the members states and which will give stimulus to the green economy industry, includes voluntary green certification, carbon footprint declared on products and services and formation of clean energy fund under the aegis of New Development Bank. He indicated that at the forthcoming climate week in Dubai and subsequently in COP26, Article 6 of the Paris Agreement i.e., market mechanism will get a lot of focus as the old regime will change to Internationally Transferred Mitigation Options (ITMOs). Further, Net zero emissions has also been announced by OECD countries and 100 + corporates. Both Net Zero Emissions and ITMOs provide significant and unique opportunities for SCGJ to design and implement skilling and capacity building interventions for the industry. In addition, scope 3 emissions as they usually get excluded in reporting but which impacts SMEs shall also be a key focus area for skilling and handholding. He emphasized that potentially greening trade skills in MSMEs will also have huge impacts, like the positive impacts being shown through trainings in waste management, under the broader umbrella of Swachh Bharat Abhiyan. Chairman thanked Mr Krishan and highlighted that green economy is a key a global agenda in line with the national climate commitments. Continuous work on capacity building and handholding of MSMEs shall be carried out through targeted skilling interventions.

Chairman started with the formal agenda of the meeting.

Agenda Item 13.01

To confirm Minutes of the 12th Governing Council Meeting of SCGJ held on 23rd February,2021

13.01.01 | It was informed that the minutes of the 12th Governing Council of SCGJ held 23rd February,2021 were circulated to all members. No comments were received from the Members. GC was requested to confirm the minutes.

13.01.02 | The Minutes of the 12th Governing Council Meeting of SCGJ held on 23rd February,2021 were noted and confirmed.

Minutes of 13th Governing Council Meeting

Agenda Item 13.02

Action Taken Report on the decisions of 12th GC meeting

13.02.01 | Action Taken report was presented by CEO, SCGJ.

13.02.02 | The council noted action taken / present position on the decisions taken in the 12th Governing Council meeting.

Agenda Item 13.03

To review and approve the Statutory Compliance report.

13.03.01 | 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.

13.03.02 | The GC reviewed and approved the Statutory Compliance report of SCGJ.

Agenda Item 13.04

Performance during 20-21 and first quarter of 2021-22 (up to 31st Aug 2021)

13.04.01 | CEO, SCGJ informed that a major limitation during the pandemic time was that no physical trainings were conducted, though gradually some assessments were done later on. However, with the restrictions on classroom trainings, SCGJ adopted E-Learning through launching SCGJ E Learning Management System (SEMS) during Aug 2020 to accelerate the transition towards virtual training. In addition, SCGJ ventured into designing and delivering 'online courses', and virtual trainings, which included delivering multiple trainings on many themes in solar in various languages across trainees from 42 ISA member countries. SCGJ has also developed two Greening NOSs which are being adopted by all SSCs for the QPs development. In that reference, he mentioned that SCGJ is also developing courseware for effectively incorporating greening attributes across all job roles.

13.04.02 | Dr. Saxena mentioned that upgrading knowledge and skills of its certified trainers by international experts has been a unique activity of SCGJ during the year. He mentioned that, SCGJ, through GIZ support, has also developed an online training module for technicians of waste water treatment plants and for solar grid engineers where both the e-learning content are aligned to concerned SCGJ QPs.

13.04.03 | He informed the GC members that Renewable Energy has also been introduced for the first time in World Skill and in that reference, SCGJ has taken a unique initiative to launch "Foundation Programme on Renewable Energy for India Skills 2021" to train and prepare interested registered candidates for India Skills 2021 and World Skills 2022 to be held in Shanghai. Since receiving gold medal in water technology during the World Skills 2019, the expectations and responsibility of SCGJ has tremendously increased and all efforts are currently underway to bring laurel in both these categories during the World Skills 2022. He mentioned that SCGJ is also participating in the 1st JuniorSkills championship on Solar Energy in association with NSDC and CBSE. Jakson Group shall be supporting SCGJ in delivering these trainings and Chairman, SCGJ has already announced that winners may be considered for potential employment with the Jakson Group.

13.04.04 | CEO, SCGJ indicated that as a key development; SCGJ has applied to NCVET to be an awarding Body in the Sectors of Environmental Science (Renewable Energy, Clean Cooking, Waste Management, Water, Green Construction, Green Business). A detailed presentation to NCVET was made on 2nd September, 2021 and SCGJ is hopeful to be recognized as an awarding body. He emphasized that the focus on green growth and green jobs in the PM Independence Day's speech highlights the importance of all existing and future skilling interventions across the green business sector and the enormous opportunities this will offer in the next 5-10 years. In that reference, SCGJ has also prepared its Business Plan for 2021-2030; which is included under Agenda Item 13.05.

Minutes of 13th Governing Council Meeting

13.04.05 | Year on Year (YOY) and Cumulative figures of approx. 5 lakhs + trainees (trained and certified) across renewable energy and waste management domain were shared with GC members. CEO, SCGJ mentioned that SCGJ's affiliated training partners are present in 26 states and UTs which means SCGJ has an outreach almost across the entire country. The members were informed about the overall status against the Annual Business Plan 2020-21 targets and achievements.

13.04.06 | It was informed that SCGJ has set up 8 Centre of Excellence (COEs) across the country and it is also proposed to develop MPSOEB as COE for paper recycling & paper bag making and & the Entrepreneurship Development Institute of India (EDII) for Entrepreneurship course. SCGJ is continuously looking for developing a few COE in association with Industry for developing on the job type of learning. He also shared a brief update on a range of completed and ongoing consultancy projects.

13.04.07 | It was also informed that SCGJ has completed and also continuing with various consultancy and sponsored projects, including the following, which were started during 2020-21:

- Online Skill Training course for ETP/CETP/STP operators/technicians by GIZ
- Scoping study on "Green Jobs and Eco-entrepreneurship opportunities for women" by UNDP
- FCDO supported activity on developing QPs Bio-CNG
- Online Solar Energy Training program for ISA member countries
- Indian Rooftop PV Installers Skilling & Employment (IRISE) project of GIZ

13.04.08 | CEO, SCGJ also informed that GIZ Funded Project Indian Rooftop PV Installers Skilling and Employment (IRISE) is a key project currently being undertaken. Standards and Research division has been carrying out various Occupational Mapping and Skill Gap Analysis studies and Developing National Occupational Standards across a range of new segments including Pollution Control and Environmental Conservation, Small Hydro, Solar Water pumps, including micro irrigation; and micro grids. Two key reports namely "Creating Jobs and Income: Solar Mini Grids making difference in Rural India" and "Employment Potential of Emerging Renewable Energy Technologies, Insights from The Floating Solar Sector Case Study" has been published by SCGJ, CEEW, and NRDC in March 2021.

Further, An Impact Assessment Report for Suryamitra Training Program, has also been completed in December 2020. In addition, 19 qualifications including 14 from solar and 5 waste management domains have been renewed by NSQC and extended till May 2024. 8 Qualification Packs on Wind Energy have also been recently reviewed by the NOS committee on wind energy and those have been submitted to NCVET for NSQC approval. A study on "Future Job roles in Operation and Maintenance of Bio CNG Plants" has been completed by jointly by SCGJ and KPMG and four new QPs and training material for most promising job roles have been developed and submitted for required approvals.

13.04.09 | He apprised the members about GIZ supported e- Learning platform on waste water plant technician and solar grid engineer have also been made operational and multiple E content have also been developed on waste management through HCL CSR support. Further, a video documenting best industry practices in solar rooftop installation has also been developed with support from Hero Future Energies.

13.04.10 | As part of the major activities of Assessment and Assurance group, he outlined the numbers of candidates certified during April 2020-August 2021 across various schemes along with total trainers and assessed trained under multiple TOTs and TOAs. As part of Safaimitra Suraksha Challenge, an MoHUD program; SCGJ has conducted the trainings of Desludging operators in 10 States resulting in over 3100 trained candidates. Safai Karmachari Training under Sankalp Project has also been carried out where 480 candidates working in Panchayats of districts Varanasi and Chandauli have been trained under RPL. The certificates were given by the Minister of Skill Development and Entrepreneurship, Hon'ble Shri Mahendra Nath Pandey. Further, SCGJ is facilitating organization of India Skills in renewable Energy and Water Technologies and preparing the candidates for both India Skills 2021 and World Skills 2022, from all over the country. SCGJ has also organized weekly Industry Led preparation sessions for the registered candidates and so far 10 such sessions have been organized.

Minutes of 13th Governing Council Meeting

13.04.11 | As part of major activities of the Marketing & Partnerships Group, he indicated that SCGJ achieved enrollment of 97.33% and assessment of 93.59% of the total target of 3,08,209 numbers under RPL Type 4- Best in Class Employer “BiCE” Certification Program under PMKVY. SCGJ also Participated in over 45 advocacy, skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas; majority of which were done online. SCGJ is also actively participating in “Involve the Guru” Skilling Entrepreneurship –A combined effort with Madhya Pradesh State Open School Education Board (MPSOEB) to celebrate the “Azadi ka Amrit Mahotsav” through World on Wheels (WOW) of Entrepreneurship Development Institute of India (EDII).

13.04.12 | Chairman, SCGJ mentioned that despite limitations challenges imposed due to the lockdowns, SCGJ team has performed well to achieve their targets and so they are now fully geared up to develop e- content and carry-on with designing and implementing various trainings. GC Members appreciated the efforts made by SCGJ even in difficult time of the pandemic.

13.04.13 | Mr Arun Sharma, MD, Himalaya Power Producers Association suggested to initiate a cell or depute an expert for identifying skilling requirements on innovative technologies like green hydrogen, as India has huge potential to reap good dividends by moving to hydrogen economy. Mr Sanyal, SG, PHD Chambers of Commerce & Industry mentioned that they have set up a knowledge hub and industry network with a focus on green hydrogen and have also organized International Climate Summit 2021 as India’s flagship event on the Hydrogen ecosystem. He invited SCGJ to collaborate with them for exploring skilling opportunities in this fast-evolving sector.

13.04.14 | Mr Sunil Jain, Former CEO and ED, Hero Future Energies highlighted that in addition to green hydrogen, battery storage and EV have also become a big focus area for the industry and provides great opportunities for skilling.

13.04.15 | Mr Amar Variawa, Vestas suggested that offshore wind in India is also getting a lot of focus and skilling requirements for the sector shall also be mapped and accordingly training interventions shall be made especially in context of meeting 30 GW capacity target of offshore wind in next 10 years. He mentioned that skillsets for offshore wind sector may be very different from on- shore wind sector and Vestas will continue to support SCGJ to develop required content for the fast growing off-shore wind sector as they did for the onshore wind.

13.04.16 | Chairman, SCGJ thanked the members for their inputs and mentioned that SCGJ will prepare a framework to include the suggestions in their training delivery system.

13.04.05 | The Governing Council noted the progress made and activities undertaken by Standards and Research; Assessment and Assurance along with the Marketing & Partnerships Group.

Agenda Item 13.05

13.05.01 Chairman highlighted that SCGJ has been so far working as per the Annual Plan, which was presented to the Governing Council in the month of February for the following year. Extending this exercise with a longer vision, SCGJ has now drawn a broader Business Plan for next 10 years (2021-2030), which will also serve as a guiding document for the organization. CEO, SCGJ outlined that:

- During the period 2021-2030, about 10 Skill Gap studies (one every year) would be undertaken. During the year 2021, Skill Gap Study of “Modern methods of waste management in Metro cities” is being undertaken.
-
- SCGJ Plans to have a total 100 NSQC approved QPs in the year 2030. Currently, SCGJ has 50 QPs, of which 33 are included in NQR. Taking the new Skill Gap studies into consideration, targeted trainings across new sectors, and QP rationalization, it is planned that SCGJ would develop 60-70 new QPs by the year 2030.
- B.Voc program in renewable energy, waste management and sustainable development in 75 Universities.
- 750 credible Training Centres by 2030 in the domain of Renewable Energy, Waste Management, Green Buildings and Green Transportation sectors.

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- 50 credible Assessment Agency by 2030, from 28 affiliated agencies as on today.
- SCGJ will have its activities in all the States and will have 20 Center of Excellence by 2030. SCGJ is currently working with State Skill Missions and has its presence in 27 States, along with 8 Center of Excellence.
- SCGJ shall encourage and take up Professional Development Activity on a regular basis.
- SCGJ has 4879 certified trainers in solar, wind, bio energy, waste management, clean cooking, waste water treatment etc. It has 761 certified assessors in these domains.
- While Professional Development Activity will be a regular activity, SCGJ proposes to take its Certified Trainers number to 7500 and Assessors to 1200 by the year 2030.
- SCGJ proposes to certify 6 lakh candidates in short term trainings and 20 lakh candidates under RPL trainings by the year 2030.

Agenda Item 13.09

Any other item raised by GC Member.

CEO, SCGJ requested Chairman to present a few points which were developed after the agenda has been circulated. Accordingly, Chairman granted the permission.

13.09.01 | “Gratuity fund” for employees. CEO, SCGJ mentioned that the organisation has completed six years and seeks permission to start a “Gratuity fund” for employees who have spent 5 years in the organisation. He mentioned that CA of SCGJ has suggested that as per the Gratuity Act, 1972, amended time to time by Government of India, normal process shall be followed in creating the Gratuity Fund and also disposing the gratuity to SCGJ employees. Members of GC enquired about the financial implications on SCGJ and whether the gratuity will be fully covered from SCGJ budget. It was clarified by CEO, SCGJ that the gratuity is proposed to be fully covered from SCGJ budget.

13.09.02 | The Governing Council, in principle, agreed to start “Gratuity fund” for SCGJ employees. It was suggested that the financial implications of starting Gratuity fund may be worked out and circulated to the GC members. The Chairman suggested to include the cost as part of the 10 years budget plan, as well.

13.09.03 | Promotion Policy of SCGJ Employees CEO, SCGJ mentioned that SCGJ has a HR policy in place and the promotion policy for all employees, except Heads, is covered as part of this policy. There is no promotion policy for Heads of various verticals in SCGJ. Two out of three Heads have completed 6 years and the third Head has completed about 2 years. There is no progression in career for Heads in the organisation. Considering this, it is proposed create a progression for Heads after 5 years of their service in SCGJ. The title for this progression position was suggested as “Director”.

13.09.04 | Mr Amar Variawa, Vestas welcomed the proposal. He also suggested that career progression opportunities shall also be clearly outlined for Heads, like all other designations. Mr Sunil Jain suggested that the designation of Heads should be in line with the one used in Industry. He suggested that it could be “AVP/VP/Sr VP”. This was seconded by Col A.K.Chandel from NSDC. He mentioned that in line with the industry and some other SSCs structure, SCGJ may consider “AVP/VP/Sr VP” as the career progression for Heads rather than “Director”. He also suggested that the promotion of staff may be based on the overall experience in the sector and performance, rather than only the years spent in the organisation. Mr Sunil Jain mentioned that staff’s promotion shall be the sole decision of the CEO, based on the performance of the concerned staff and GC shall only support in designing the concerned promotion policy.

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13.09.05 | In view of comments from members of GC, it was agreed to give a progression to Heads as “AVP/VP/Sr VP”. Chairman suggested to CEO, SCGJ to incorporate promotion of Heads in the Promotion Policy of SCGJ. He also suggested to follow the best practices for staff promotion and retention as shared by the industry and other organisations. Chairman SCGJ requested the members to share any inputs on the 10 years business plan or any other issue to make it more coherent and robust and subsequently concluded the meeting.

The meeting ended with vote of thanks to the chair.

Dr. P. Saxena, Secretary, GC, SCGJ

Minutes of 14th Governing Council Meeting

The 14th Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.30 AM (IST) on 21st February, 2022, under the Chairmanship of Mr. Sameer Gupta, Chairman and Managing Director, Jakson Group, through video conferencing.

Following GC Members were present in the meeting:

1. Mr. Sameer Gupta, CMD, Jakson Group - In Chair
2. Mr. K. Krishan, Chairman, CVC Biorefineries Pvt Ltd and Former Chairman, SCGJ
3. Dr. Vasanta Thakur, Director, Ministry of New and Renewable Energy
4. Col. Arun Kumar Chandel, Sr Head, National Skill Development Corporation
5. Mr. Sobins Kuriakose, Head, SSC Collaboration, NSDC
6. Mr. O P Taneja, Advisor, Indian Wind Turbine Manufacturers Association
7. Prof. Arun Kumar, AHEC, IIT Roorkee
8. Mr. Kacho Ahmad Khan, Chief Executive Officer, KREDA
9. Mr. P. Sreenivasan, GM (HR), IREDA
10. Mr. Sunil Jain, Partner, Essar capital (Former CEO & ED, Hero Future Energies)
11. Mr. Amar Variawa, Director, Marketing & Public Affairs, Vestas Wind Technology
12. Mr. Mukul Saxena, Head - Training Content & Technology, Tata Power
13. Mr. Vijay Saxena, Plant HR Head, Adani Solar Mundra
14. Dr. P Kanagavel, Director and Division Head, National Institute of Wind Energy
15. Dr. P. Saxena, CEO, Skill Council for Green Jobs ----- Member Secretary

Also present:

16. Dr. (Mrs.) P. Dhamija, Advisor – Biomass and Sustainable Livelihoods, SCGJ
17. Ms. Sangeeta Patra, Head – Marketing and Partnerships, SCGJ
18. Mr. Arpit Sharma, Head – Assessment and Assurance, SCGJ
19. Mr. Deepak Rai, Head – Standards and Research, SCGJ
20. Mr. Pushpinder Tiwari, Partner, VTDC

The Meeting commenced its proceedings with the approval of the Chairman.

Minutes of 14th Governing Council Meeting

Welcome and opening remarks by the Chairman

1. Mr. Sameer Gupta, Chairman and Managing Director, Jakson Group and Chairman SCGJ welcomed members and invitees to the 14th Governing Council meeting which was held virtually. He also warmly welcomed Col. Arun Chandel; Sr. Head, NSDC as Nominee Director and Mr Sobins Kuriakose; Head SSC Collaboration, NSDC as a special invitee. He mentioned that though the impacts of COVID have been reducing; majority of the trainings, meetings and all other required engagements continue to mainly in the virtual world. He mentioned that now India's economy is getting back on track and poised to rebound sharply after Covid pandemic dampened the growth. In that context, business confidence score has increased substantially across manufacturing and service sector and it is also seen in the recent budget that there has been a huge focus on infrastructure and finance sector which is going to further accelerate the growth of the economy.
2. The Chairman mentioned that the Global energy landscape is transforming and India has also made rapid stride in renewable energy making India as the third largest renewable energy market. Speaking at the 26th Conference of Parties (COP-26) recently held in Glasgow, Prime Minister announced that India will achieve net-zero emissions by 2070. The PM has also announced that India will raise its non-fossil energy capacity to 500 GW by 2030 while meeting 50 per cent of its energy demand through renewables. India has also committed to reducing 1 billion tonnes of projected emissions from now till 2030 and achieving carbon intensity reduction of 45 per cent over 2005 levels by 2030.
3. Skilling is key for India to meet its revised ambitious target and there lies a huge opportunity for SCGJ. Very recently the Policy on Green Hydrogen was launched which will facilitate India's transition to a low carbon economy. He mentioned that SCGJ team under the leadership of Dr Saxena has done a commendable job even during these testing times and a strong foundation for future has been created through successful designing and implementing various skilling interventions including virtual trainings, strengthening industry connect, job portal development, preparations for the World Skills which is Scheduled to be held in Oct 2022 at Shanghai, etc. He emphasized that a lot of focus has been given across all these important aspects by SCGJ team.

Chairman started with the formal agenda of the meeting.

Agenda Item 14.01

To confirm Minutes of the 13th Governing Council Meeting of SCGJ held on 21st September,2021.

14.01.01 | It was informed that the minutes of the Thirteenth Governing Council of SCGJ held 21st September,2021 were circulated to all members. No comments were received from the Members. GC was requested to confirm the minutes.

14.01.02 | The Minutes of the Thirteenth Governing Council Meeting of SCGJ held on 21st September,2021 were noted and confirmed.

Agenda Item 14.02

Action Taken Report on the decisions of 13th Governing Council meeting.

14.02.01 | Action Taken report was presented by CEO, SCGJ.

14.02.02 | The council noted action taken / present position on the decisions taken in the 13th Governing Council meeting.

Agenda Item 14.03

To review and approve the Statutory Compliance report.

14.03.01 | 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.

Minutes of 14th Governing Council Meeting

14.03.02 | The GC reviewed and approved the Statutory Compliance report of SCGJ.

Agenda Item 14.04

Performance during 2021-22

14.04.01 | Dr. Saxena, CEO, SCGJ highlighted that during the last GC meeting the key points regarding Green Hydrogen and various other key activities related to green growth and Green Jobs as included in the Independence Day speech by the Prime Minister were discussed. At COP 26 during Nov 2021, PM made an announcement by the year 2070, India will achieve the target of Net Zero. PM also announced that India will take its non-fossil energy capacity to 500 GW by 2030 and it will meet 50 percent of its energy requirements from renewable energy by 2030. In addition, India will also reduce the total projected carbon emissions by one billion tonnes from now till 2030 and further reduce the carbon intensity of its economy by more than 45 percent by 2030. CEO, SCGJ emphasized that these revised targets made by the Government will be an unprecedented contribution of India to global climate action and at the same time it presents a great opportunity for SCGJ to meet the requirements of skilling and job creation in all these key sub- sectors. He requested Mr K Krishan, former Chairman, SCGJ who actively participated during COP 26 to share his perspectives on how SCGJ shall plan its activities on the way ahead.

14.04.02 | CEO, SCGJ mentioned that a major limitation which continued since March 2020 was that no physical trainings were conducted. The year 2021-22 remained a consolidation year, strengthening SCGJ technical capabilities and review of qualifications and training materials. However, with the restrictions on classroom trainings, SCGJ adopted E-Learning through launching SCGJ E Learning Management System (SEMS), and delivered various online courses and virtual trainings which included multiple trainings on various themes in solar in various languages for trainees from 42 ISA member countries. He indicated that SCGJ has also developed two Greening NOSs which are being adopted by all SSCs for the QPs development. Further, SCGJ has developed courseware for effectively incorporating greening attributes across all job roles, which would further contribute towards “Net Zero” emissions targets.

14.04.03 | He mentioned that SCGJ has joined hands with a range of bilateral and multilateral institutions including GIZ, UNDP, FCDO and USAID to strengthen its quality of training and developing new qualifications on new thematic areas such as Green Hydrogen, Solar charging stations, Solar wind hybrid with Storage, Circular Economy and Pollution Prevention & Control etc. Further, through GIZ support, SCGJ has developed an online training module for technicians of waste water treatment plants and for solar grid engineers wherein both the e-learning contents are aligned to SCGJ NSQF approved qualifications. He informed that through GIZ supported 'Indian Rooftop PV Installers Skilling and Employment (IRISE) project, 1400+ “Suryamitra” candidates have also been upskilled through 10 days physical training at selected Training partners’ premises located across 13 states and UTs. Over 70 trainers have also been trained and certified by the German Master Trainers and Experts through a virtual TOT conducted.

14.04.04 | CEO, SCGJ informed that SCGJ has recently been awarded a JP Morgan Chase funded Study on Landscape of Green Jobs in India with the objective to advance green jobs in the country. The study is focusing on Green jobs demand potential and Opportunities and is being implemented in partnership with Sattva Consulting. Further SCGJ has also been awarded a CSR project from SBI Cards to install 130 kW grid interactive Solar PV power at Madan Mohan Malviya Hospital in Delhi. Dr Saxena highlighted that SCGJ has also been awarded a new project funded by Climate Policy Initiative, India to train 40 solar rooftop entrepreneurs. He mentioned that recently a new qualification on Solar Entrepreneur which has 4 electives namely Solar Rooftop, Solar Water Pumping, Solar Ground mount (Civil) and Solar Ground mount (Electrical) has also been approved by NSQF. SCGJ has been organizing a series of 75 webinars on the occasion of “Azadi Ka Amrit Mahotsav” covering various topics in Renewable Energy, Sustainable Development, waste management, waste to fuel etc. The webinar series was launched on 24th September, 2021 by the Chairman SCGJ and so far, 16 webinars have been organized.

Minutes of 14th Governing Council Meeting

14.04.05 | Dr Saxena mentioned that in the run up to WorldSkills, Shanghai 2022 and with the feather of India's first ever Gold medal at World Skills 2019 in SCGJ's cap, SCGJ has taken the following initiatives and engaged with Industry partners and consulted world skills experts to refine and define the strategies to be adopted for WorldSkills Shanghai 2022. Considering that Renewable Energy has been introduced for the first time in WorldSkills, SCGJ has taken a unique initiative named "Foundation Programme on Renewable Energy for India Skills 2021" to train and prepare interested registered candidates for India Skills 2021 and World Skills 2022 under the guidance of our WorldSkills experts and RE master trainers. Since receiving gold medal in water technology during the World Skills 2019, the expectations and responsibility of SCGJ has tremendously increased and all efforts are currently underway to bring laurel in both these categories during the World Skills 2022.

After organizing regional competitions in Punjab and Andhra Pradesh, National Skill Competition was organized in Delhi on Renewable Energy and Water technology. 5 medal holder candidates from National Competition in both sectors are now being trained to participate in the WorldSkills Shanghai 2022. Preparation Journey for the WorldSkills Shanghai 2022 was presented through a short video.

14.04.06 | To further give an exposure of selected candidates to international level competition, SCGJ proposed to organize an International Skills League (ISL) inviting participation from other participating countries. This idea has been conceived by team of SCGJ experts and WorldSkills Advisors to foster WorldSkills Shanghai 2022 preparation for WorldSkills member countries. This initiative aims to prepare competitors of Renewable Energy and Water Technology Skill through participation in WorldSkills format based competition (ISL 2022), series of preparation classes, mock competitions and performance analysis.

14.04.07 | Mr Sunil Jain, Essar Capital enquired if senior mentors have been made available to the selected candidates to train them in alignment with the requirement of World Skills. CEO SCGJ responded that 4 solar mentors including Mr Vamsi Krishna, Mr Abhinav Shukla, Mr Sunil Sahoo and Mr Prem Bharti have been continuously engaging with all the candidates and mentoring them. CEO, SCGJ also highlighted that In addition 2 experts who have the laurels of bringing both Gold and Silver medals in "Water Technology" and "Web Technologies" categories are already part of SCGJ team and are actively training the candidates for World Skills 2022. CEO SCGJ mentioned that support from institutions like National Institute of Wind Energy, Alternate Hydro Energy Centre- IIT Roorkee etc will be very critical for the preparation of the candidates as their competencies and skills are tested across a range of aspects in solar, wind, bioenergy and small hydro power.

14.04.08 | For the key activities of "Standards and Research" division, it was informed that performing occupational mapping, skill Gap analysis and development of National Occupational Standards are being done across a range of new segments including Pollution Control and Environmental Conservation, green hydrogen, brick kiln, Solar Water pumps, including micro irrigation; and micro grids, etc. A New Skill Gap Study is also being carried out for Solid waste management in 4 metro cities. He indicated that a study on 'India's Expanding Clean Energy Workforce: Opportunities in the Solar and Wind Energy Sectors' was released in Jan 2022. The report provides updated data on jobs created through India's on-grid solar and wind energy sectors during FY21 and FY22 along with an updated findings and recommendations geared toward achieving India's goal of 500 GW of non-fossil fuel electricity generation capacity by 2030. Further, it was informed that out of the 20 QPs on Solar PV, 14 QPs were revised and presented to NSQC for approval. The revision of 14 QPs in solar domain and 5 in sanitation and waste management have been approved by NCVET with new validation date up to March, 2024. Further 12 new qualifications including in wind energy (6), small hydro power (1), compressed biogas (4) and solar entrepreneurship (1) have been approved in NSQC. With this, SCGJ currently has 44 NSQC approved qualifications.

14.04.09 | Regarding the key activities of Assessment & Assurance Group, it was informed that during 2021-22, Total Trainings and Total Certification done were 17,315 and 16,361 respectively. Since inception, SCGJ trained 5,15,510 trainees and issued 4,99,537 Certification. SCGJ has conducted a one-day orientation program with New Delhi Municipal Corporation for giving training to over 800 Safai Karamcharis. SCGJ has also conducted assessment and certification in Jharkhand, Gujarat, Tripura, MP and Uttarakhand State Missions. SCGJ has also conducted Training of Trainer program for Solar (39) and Waste Management (2) and waste water (5) domain. SCGJ has also conducted one day orientation program with Delhi Jal Board for giving training to Desludging operators. The training was focused on the health and safety measures of the workers.

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14.04.10 | Highlighting the major Activities of Marketing & Partnerships Group CEO, SCGJ informed that SCGJ participated in over 32 advocacy, skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas; majority of which were done online. Information has been collected about all MSME's across Green business sectors and Industry Database has also been developed for all sub-sectors. SCGJ is actively participating in "Involve the Guru" Skilling Entrepreneurship –A combined effort with Madhya Pradesh State Open School Education Board (MPSOEB) to celebrate the "Azadi ka Amrit Mahotsav" through World on Wheels (WOW) of Entrepreneurship Development Institute of India (EDII). Chairman SCGJ requested Mr. K Krishan, Former Chairman, SCGJ to share his observations and comments from his experience from COP 26 and the way ahead for SCGJ.

14.04.11 | Sharing his experience in COP 26, Mr Krishan, mentioned that limiting the global temperature rise to 1.5 o C is no longer debated but accepted and Net Zero carbon targets are on the table. He informed that except India not many countries came up with enhanced ambitions and roadmap and so COP 26 somewhat remained more of a hype than actual global action. Nonetheless, keeping this as a background it would be important to estimate what would be the impacts on the domestic green economy and broadly green jobs. In that reference, one thing is clear that deep decarbonization is mandatory and is no longer limited to setting silo wise targets including for EV, Renewable energy etc. Even Minister, Power, New and Renewable Energy mentioned during the recently concluded Chintan Baithak highlighted that it is no longer a renewable energy target but it is Net Zero which encompasses all sectors.

14.04.12 | Mr Krishan indicated that decarbonization of power sector is very important however, there are issues in scaling up issues in renewable energy and to a great extent there is a need for decentralized power and also of green hydrogen which will gradually flatten the load curve. He emphasized that green hydrogen with bulk producer or pumping into existing gas pipeline will generate immense opportunities for jobs and emissions reduction but green hydrogen for retail consumers will have immense challenges in future. SCGJ qualifications on biogas/bio CNG, SATAT etc will have immense relevance. Further hard to abate sectors including steel, aluminium, plastics, cement etc will have immense opportunities to reduce emissions through adopting the concept of circular economy and SCGJ emerging focus in this direction will be very useful. Plastics waste management has its own challenges and the industry will support SCGJ when the interventions are designed. He also highlighted the issues with application of green ammonia in replacing coal in power plant or using as transportation fuel, unlike green methanol which is a proven technology. The issue of lack of jobs in rural economy can be addressed with the opportunities agriculture, land use and carbon removal offers. SCGJ started pre- Paris with the release of India's NDC however it took almost 2 years to prepare early NOS and qualifications however Glasgow has changed everything with a net Zero target and 2070 timeframe. He mentioned that the work done in the initial years of SCGJ operations needs to be updated in that context the existing JP Morgan funded study is quite relevant and timely.

14.04.13 | Mr Sunil Jain, Essar Capital mentioned that for Green Hydrogen, EU/UK do not allow power banking for hydrogen generation however in the recently released Indian policy it has been included which will have repercussion on cost structure. Mr Krishan endorsed Mr Jain's views and highlighted on the importance of distribution energy. He also emphasized that fundings will largely come through ESG funds and climate financing and lesser as trading. Chairman, SCGJ emphasized that the new Net zero target for India is non-negotiable. It offers immense opportunities for SCGJ and leveraging on its experience, new efforts will also have to be put by SCGJ to contribute towards the new commitments.

14.04.14 | The Governing Council noted the progress made by SCGJ and activities undertaken by Standards and Research; Assessment and Assurance and the Marketing & Partnerships Group.

Agenda Item 14.05

Brief presentation of SCGJ Job Portal.

14.05.01 | CEO recollected that during the 6th Annual General Meeting of SCGJ held on 21st September,2021 it was suggested by members that "SCGJ should have an exclusive job portal designed for the wider aspirants in green business sector". Subsequently, a job portal (www.scgjrozzar.in) has been developed and is being currently tested. This is a technology initiative to seamlessly connect employers with skilled candidates in the Green Energy Sector. On this platform employers can create and publish the job post, monitor/track job applications while the candidates can register, apply for the job and track their application. A short video highlighting the key features of the job portal was shown to the GC members.

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Agenda Item 14.06

Suggestions of GC members on increasing Industry participation in SCGJ activities and related issues.

14.06.01 | CEO, SCGJ mentioned that It has been the endeavour of MSDE, NSDC and all Sector Skill Councils to continuously increasing Industry participation through targeted trainings, imparting demand driven skill development trainings, involvement of Industry members for Employment & Entrepreneurship etc . SCGJ is looking forward to enhance existing partnership with Industry members to enhance market mode training, entrepreneurship development and program of training of apprentices in the industry/ establishment by utilizing the facilities available therein for imparting on-the-job training. In this regards SCGJ would like to discuss with the GC members the following points which have also been shared by NSDC:

- How can SCGJ help companies represented in this meeting and other SCGJ members for their hirings?
- What needs to be done to solicit part industry funding for Skill Programs run by Government?
- How do we ensure that all Skill programs funded by Government are backed by strong industry demand for those skills?
- How do we ensure that NAPS / Apprentice requirements are aggressively projected and pursued?
- How do we measure relevance of the approved NOSs / QPs for industry?

The Chairman, mentioned that a key impact metric is how many jobs and employability can be created through targeted intervention by SCGJ and invited suggestions from GC members.

14.06.02 | Prof Arun Kumar, AHEC, IIT Roorkee enquired how waste water treatment segment is being engaged by SCGJ as it is largely run by Government (or contracted). CEO, SCGJ mentioned that SCGJ has 2 key qualifications including waste water treatment plant technicians and helpers wherein most of the trainings are done. MOUs have also been signed with selected CETPs for provision of on-the-job training along with supporting theory and online components. Further SCGJ is also engaging with Central Pollution Control Board and developing training module for their staff to institutionalize induction and orientation trainings for various levels. Mr O P Taneja, Treasurer, SCGJ made an observation to engage more with hiring agencies and other job aggregators and bring them onboard with the developing job portal.

14.06.03 | Mr Krishan enquired if Solar Entrepreneur qualification can be targeted for trainings in Qatar, South Africa and Italy and if so, he would be pleased to send a proposal to concerned authorities in this regard. CEO, SCGJ mentioned that multiple virtual trainings have been conducted for ISA member countries and the same experience can also be leveraged to engage with suggested countries for potential trainings.

14.06.04 | Mr Amar Variawa, Vestas mentioned that around 1.5 GW of Year on Year (YOY) commissioning is happening in domestic wind energy sector compared to 10 GW of manufacturing capacity in the country which is not so promising and it has direct impact on skilling and job creation in the industry. As a way out he recommended to engage with Investment promotions agencies of concerned State Governments like Gujarat and Tamil Nadu and drive skilling interventions through their support in the concerned states. He also gave an example of a recent meeting chaired by Education Minister in Tamil Nadu wherein various HR professionals of leading companies in wind energy were invited.

14.06.05 | CEO, SCGJ mentioned that having strong state connect is an important activity as most of the trainings are driven by state Government now. He requested GC members to utilise the portal and subsequently register their employment and apprenticeship opportunities. All members were also requested to promote Apprenticeship (NAPS) scheme in alignment with the concerned Apprentices Act. Chairman, SCGJ suggested to share the details of the job portal to member companies and utilize forums of CII or BRICS to subsequently advertise that so that more and more companies utilize the portal.

14.06.06 | Mr Sunil Jain, Essar Capital mentioned that India has a well-developed internship and Apprenticeship program and so it may be recommended that SSC certified candidates are mandatorily hired by the companies for at least a year or so.

Chairman thanked the members for their comments and suggestions.

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Agenda Item 14.07

Annual Accounts of SCGJ for the year 2021-22 (up to 08.02.2022).

14.07.01 | The status of accounts as on 8th February, 2022 was presented to members of the Governing Council.

14.07.02 | The Governing Council was informed about the proposed activities of SCGJ during the year 2022-23. Dr Saxena mentioned that no major trainings could be undertaken in view of the pandemic since March 2020. Due to this realization of revenue shall be impacted in the next fiscal. Nonetheless, about 100,000 assessment are expected to be undertaken by the end of next year along with implementing some other key activities, including participation in World Skills 2022. During the year 2022-23, Rs 750 lakhs are expected to be realized. Further Rs 575 lakhs are estimated to be utilised as expenses across multiple activities including overheads, rents, courseware development, skill competition etc.

14.07.03 | The Governing Council noted the proposed activities and concerns mentioned regarding cash flow position. The GC approved the Budget for the Year 2022-23, as proposed.

Agenda Item 14.08

Matters relating to Governance of SCGJ.

14.08.01 | Chairman, SCGJ opened the discussion on the Governance issues listed in the Agenda item. In his opening statement, he informed the members that based on recommendations of the Sarda Prasad Committee, Ministry of Skill Development and Entrepreneurship (MSDE) has issued Guidelines for Governance of SSCs on 23rd January, 2019. The Guidelines recognize that SSCs are created as Autonomous Bodies to undertake among others some public activities. SCGJ follows its MOA and RR as guiding book for SCGJ and is governed by the directions of its Governing Council. With this background he suggested to discuss the 5 issues one by one.

(i) Converting SCGJ from Society to Section 8 Company

14.08.02 | The Chairman mentioned that the MSDE guidelines recommend that the SSCs which are Society should move towards Section 8 companies. This issue was discussed in the 10th GC, 11th GC and 5th AGM held on September, 2021. There was a divided opinion of members and some members were of the opinion that it has advantage and some members felt that there would be no distant advantage and the compliance would increase many folds. He felt that strict compliance should not be an issue and we are moving to an era when compliance is absolutely non-negotiable. He further added that the issue was deferred in the light of COVID in last two years. There are pros and cons but in view of the guidelines there is merit in moving to section 8 company. At this point the Chairman invited views of the members. Some members again expressed that except more compliance there should not be any difficulty. The Chairman was of the view that we should follow best practices unless there are some very strong views of members.

14.08.03 | Considering the guidelines, Members agreed to the proposal and it was decided that SCGJ should go ahead with conversion to Section 8 company. The Chairman suggested that a consultant /CA may be hired to convert SCGJ from Society to Section 8 company with same name. The application may be signed by some members of GC including Mr K.Krishan, the past Chairman of SCGJ.

14.08.04 | With this, following was resolved unanimously by the members of Governing Council: "It was resolved in the Governing Council that SCGJ, presently a registered society may be converted to Section 8 company" CEO may initiate the action of this conversion and MOA and RR of SCGJ may be suitably modified as per Section 8 company requirements.

(ii) Invitation to Representatives from MSDE, Line Ministry and NSDC

14.08.05 | As per MSDE guidelines, representative from MSDE, Line Ministry and NSDC are to be invited in every GC. It was mentioned by the Chairman and noted by all the members that this is being followed as regular practice in SCGJ. CEO SCGJ mentioned that we follow this practice in every meeting since the first GC meeting.

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14.08.06 | The Chairman mentioned that we are committed to follow these guidelines and in any case, this helps and add value to build a sustainable institution. He suggested that the MOA and RR may be reviewed and suitably modified, if required, to include invitation to MSDE, line Ministry and NSDC on a sustainable basis. The proposal was approved by the Governing Council.

(iii) Tenure of SSC Chairman, GC members and age of CEO of sector skill council.

(a) Tenure of SCGJ Chairman

14.08.07 | The Chairman mentioned that currently we follow our MOA and RR and as per SCGJ MOA &RR, “the Governing Council shall not appoint the same Chairman/Promoter, for an additional term, who has held office of Chairman/Promoter for a period of five (5) years in succession”

The MSDE letter recommends as follows: “The selection of Chairperson will be based on the recommendation of the GC members in concurrence with NSDC. Tenure of Chairperson should be as per tenets of Article of Association (AoA)/ Bye Laws or a mutually agreed Addendum between SSC GC and NSDC - term of Chairperson not to exceed beyond two years from the date of appointment”.

14.08.08 | The Chairman mentioned that this is for deliberation and one of the thoughts is that 2 years is a very short time for understanding the ecosystem and implementing new ideas and suggestions. One of the suggestions is that the current Chairman may continue for 3 years. A co-chair / Chairman (designate) may be appointed after two years, who can take over as Chair after three years of tenure of the current Chair. This practice can 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. He further mentioned that something similar is follow at CII. At this point the Chairman invited suggestion of the members.

14.08.09 | Mr. K. Krishan former Chairman, SCGJ mentioned that he completely endorses the views of Chairman and sited the example of CII Green Business Council where it is clearly understood that there is a deep need of continuity. Green Business are very complex and with the transformation required for going to “Net Zero” it is even more complex. A short term is not at all worth. I would like to endorse tenure of 5 years but definitely not less than 3 years.

14.08.10 | Mr. Sunil Jain endorsed the views of Mr Krishan and mentioned that is the minimum that should be allowed. Mr. P Srinivasan proposed 5 years tenure and mentioned that it will help the cause for which the council has been formed. Prof. Arun Kumar and many other members proposed that the period should be a minimum of 3 years.

14.08.11 | Mr. Sameer Gupta, Chairman mentioned there are pros and cons to every decision. The intention of the Ministry is to bring more vibrancy and when the thought leaders change there is always a new way to look at. In view of the suggestions made by the members it was felt that the tenure of Chairman could be 1 +2 years. Two years are less specifically for new and growing sectors like Green Jobs and 5 years may be more.

14.08.12 | Taking all suggestions in to consideration following was resolved: 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 cochair / 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.

(b) Tenure of GC members

14.08.13 | The Chairman mentioned that no specific mention of the tenure of GC members is made in the MOA and RR of SCGJ. However, MSDE letter recommends that the Tenure of GC Members should be strictly as per tenets of AoA/ Bye Laws or a mutually agreed Addendum between SSC GC and NSDC. It recommends that term of a GC member not to exceed beyond three years from the date of appointment. Views of GC members were solicited.

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14.08.14 | Prof. Arun Kumar mentioned that having a tenure of 3 years of GC members is a good practice but we should have a provision of two terms of 3 years like independent directors of a company.

14.08.15 | Mr. K.Krishan mention that having the thought leaders and again committed thought leaders , who can give time, is a real challenge. He mentioned that there should be some method to use wisdom of founder members and senior members. In these challenging times it is difficult to get committed people.

14.08.16 | Mr. Sunil Jain mentioned that it may not well happen that a large number of GC member suddenly retire and you will have a completely new Governing Council, with again a challenge of continuity. COP 26 has put a lot of owns on us for at least a decade. He suggested that the GC members should be eligible for a re-elect for at least one more term. We should start looking for new GC members and may be bring them as observers for a year or so for the sake of continuity

14.08.17 | Col. Arun K. Chandel, Nominee Member, NSDC, sited with the example of other SSC and mentioned that with the new companies coming in and young CEO and new ideas, we want to open this plate form of a quick turn over. Quick turn over means three years is ideal and as Mr Jain mentioned it could be extended for one more year or a cooling period and re-elect. One way could be to have a turnaround of 33% members every year. This would ensure continuity and new induction. He mentioned that young entrepreneur induction may also be useful. Chairman welcomed the suggestion of turnaround of 33% members every year and retaining 66% members, which would maintain the continuity of members in GC.

14.08.18 | Mr. P Srinivasan mentioned that Commitment led to contribution and for this community is essential. Dr. Saxena mentioned that Green Jobs has a very diversified sectors and we have tried to keep representatives from different sectors and this is essential for our GC. We may have to keep this in mind.

14.08.19 | 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.

(c) Retirement age of CEO

14.08.20 | Giving the background, the Chairman informed the GC members that there is no mention of tenure or retirement age of CEO in the MOA & RR of SCGJ. The Governing Council has the authority of Selection, appointment and removal of the CEO.

14.08.21 | He further mentioned that regarding selection and removal of CEO following is mentioned in the MSDE recommendations:

Selection: The upper age limit for CEO shall be 65 years. SSC, CEO should be selected by extensively advertising the position at least in print & digital media and on MSDE, NSDC and SSC Websites .

1. The CEO SSC selection committee should necessarily have the following members:
2. SSC Chairperson
3. SSC GC Member - nominated for the search and selection
4. NSDC Nominee Director
5. NSDC MD/CEO/COO and
6. Govt representative from Line Ministries/Departments
7. Representative from MSDE

Removal of existing SSC CEO: The appointment and removal power is to be with Governing Council. CEO, NSDC will have the right to recommend removal of any consistently non-performing and/or underperforming SSC CEO. Action will be taken in accordance with the process for removal laid down by NSDC.

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These are general guidelines for all SSCs and are respected.

14.08.22 | The Chairman mentioned that there is no mention / recommendation of retirement age of serving CEO in the MOA & RR of SCGJ and also the letter of MSDE. In this letter of recommendation of MSDE, under the heading “Selection: it is mentioned that “The upper age limit for CEO shall be 65 years”. However, it is not clear whether the intention is to keep the upper age limit for CEO as 65 years at the time of Selection or it should be the retirement age of CEO. We are seeking clarification on this. If the retirement age has to be 65 that means that we have to have CEO of 58-60 years so that he can serve for at least 5-6 years. This is some thing which we have to keep in mind because experience in the sector is very important.

14.08.23 | Again, clearly considering that SSCs are autonomous industry lead bodies and we look for experienced sector expert, who could play a role of CEO and getting an experienced person in this area is a challenge as most of you have already mentioned. At this point the Chairman requested for comments from the GC members.

14.08.24 | Prof Arun Kumar mentioned that the procedure of appointment and selection process of CEO, as outlined is well understood and welcomed. Regarding age of CEO, he mentioned that in case of Vice-Chancellor, Director of IIT and many other senior positions, it is clear that at the time of applying, the age of candidate should be less than 65 years and it goes up to an age of a maximum of 70 years or the tenure specified for the position. This practice is there from 2007. Lower age is not specified and even young people apply. I see quite a similarity in this case, the CEO will have to deal with multiple sectors and with very senior officials as well. and we need experienced sector expert in this new and upcoming area.

14.08.25 | Mr. Sunil Jain agreed to the point made by Prof Arun Kumar but mentioned that there could be difference in academic institutions and in case of operating Section 8 companies. However, in our case at this stage it would be difficult to replicate now some one of the stature and experience of Dr. Saxena. We are at the cusp of things when so much is happening in the sector globally. He also mentioned that as GC we should have the leverage to extend the upper age limit of CEO, may be at least by 3 years beyond 65 years and include it in our Article of Association /MOA and RR suitably.

14.08.26 | To this, the Chairman suggested that let us divide the issue in two. One, as what should be the guiding principal and best practice regarding retirement age of CEO in future and making the provision of extension by the GC which can appear in AA/ MOA of Section 8 company, and second the position of current CEO Dr. Saxena.

14.08.27 | Mr. K.Krishan mention that at this stage a shift is very difficult. We are cross sectorial SSC and within SCGJ we have so many sectors. We can ill afford a sudden change at this stage. There is no restriction as per Company Law or Ministry of Company Affairs to go up to 70 or beyond. It should be an encouraged practice to that we start hiring younger and younger CEO in future may be induct as COO and mentoring process COO grows as CEO. I would like to flag the risk to of just advertising and appointing new CEO at this time. It is a very challenging task in this cross sectorial SSC. He strongly recommended a continuation at this stage.

14.08.28 | Mr Chairman mentioned that it is important to understand the intent of MSDE in specifying the upper age limit for CEO as 65 years. Is it at the time of appointment or is it the retirement age. We are now talking about converting SCGJ to company as well. It is important to understand this and then see how to resolve the current challenge.

14.08.29 | Dr Vasanta Thakur from MNRE congratulated SCGJ for the efforts made and support extended to MNRE in implementing Suryamitra program. We have done 50,000 Suryamitra skill trainings. We are now extending our efforts to Vayumitra and Jalurja Mitra skilling programs. Role of SCGJ has been very encouraging in implementing MNRE program. However, in view of the new programmes being launched, it was suggested that interaction of SCGJ with MNRE may further be increased. The recreation rules of SCGJ may kind be sent to MNRE. As line Ministry, we are endorsing the guidelines and intent of MSDE on the subject.

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14.08.30 | Mr Amar Variawa, Vestas Wind Technology mentioned that we should also see what is being followed in other sector skill councils and adopt best practice of other SSCs. Dr. Saxena has been a good choice and has contributed a lot to the sector. Last two years have been the years of pandemic and disruption. We are at an important juncture in view of the announcement made in COP 26. Considering this, I would recommend a few years of extension would help SCGJ in taking the desired direction.

14.08.31 | Mr Kacho Ahmad Khan, CEO, KREDA mentioned that continuity is very important at this juncture in Green Business and India aiming for Net Zero target.

14.08.32 | Dr P Kanagavel, Director, NIWE mentioned that MNRE has sanctioned Vayumitra program to NIWE on the similar lines as Suryamitra and role of SCGJ would be very critical and we need support from SCGJ to implement the program. He felt that as suggested by other members, 3 year extension may be considered as the country has target of 500 GW.

14.08.33 | Thanking all the members about the inputs, Mr Sameer Gupta, Chairman summarizing the discussion and mentioned that the contribution of Dr. Saxena is beyond comparison and he continues to be the backbone of SCGJ. His current age is 66 and a half years. He is the founder CEO of SCGJ. The entire energy sector is undergoing a transition and disruption in overall terms. Any change in seamless transition in the leadership can be a potential danger in terms of work abruptly stopping or pace not being there or focus not being there. So, 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.

14.08.34 | Prof Arun Kumar asked about the decision of induction or retirement age of CEO. At this point The Chairman invited Col. Arun K. Chandel about the intent of MSDE on age of CEO.

14.08.35 | Col. Arun K. Chaandel clarified that the Ministry's is looking at the CEO retirement age as 65 years. He further mentioned that many COOs of SSCs are moving to other SSCs as CEO and appointing COO would be a good practice.

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 The GC members concurred the proposal of the Chairman.

Agenda Item 14.09

Any other item raised by GC Member: NIL

The meeting ended with vote of thanks to the chair.



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