



Skill Council for Green Jobs

Annual Report

2020 - 2021



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Message from the Chairman's desk

Vision of SCGJ

SAMEER GUPTA

Chairman, Skill Council for Green Jobs



It is both privilege and pleasure to be part of the SCGJ family. This is one of the most coveted organizations in the skilling sector which has focus on green jobs.

We have realized the importance of creating a climate resilient infrastructure which perhaps is the only way to maneuver next possible health crisis. Green development is the sustainable solution and green jobs would contribute to achieve our inclusive growth objectives. SCGJ has made huge progress since it's inception and it is time to fast track and contribute towards the mission for climate change.

India has almost 20% of the world population and our youth can make an impact not only in India but also across the world where manpower and skills are the key challenges being faced in this fast emerging sector. Skilling our youth can perhaps double the growth rate and will contribute significantly to our economy.

This sector covers whole range of renewable energy, environment, solid-waste management, forests, water management, e-waste management, green buildings, green transportation etc. Renewables is the significant portion of the above opportunity. The Government has set a mission of 450 GW by 2030 from present installed base of about 98 GW. Acceptability and viability of Hydrogen as a fuel will give a further boost to this sector.

Over the years this sector has emerged, evolved and it's time for it to blossom. With the right skill sets, R&D opportunities in this sector can further position India uniquely.

SCGJ has taken the challenge of contributing towards mitigating climate change by creating well crafted, industry led skilling programs with advanced technological interventions that are in sync with industry standards and requirements. It is also very motivating to learn that SCGJ has taken leadership in preparing participants for the "World Skills Competition", to be held in Shanghai in 2022.

I am honored to be Chairman of SCGJ and I would urge my fellow industry colleagues to explore the opportunity of partnering with SCGJ led skilling programs to meet future manpower needs in this sector which will contribute towards building livelihoods and creating a sustainable future.



Skill Council for Green Jobs



2.1 Sustainable Development and Green Jobs

India is working towards a low carbon emission pathway while simultaneously endeavoring to meet all the developmental challenges. The Nationally Determined Contribution (NDC) document has been prepared with a view to 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. 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.

India has adopted several ambitious measures for sustainability, renewable energy, energy efficiency in various sectors of industries, achieving lower emission intensity in the non-fossil-based electricity generation. Thrust on Renewable Energy, Promotion of Clean Energy, Enhancing Energy Efficiency, Developing Climate resilient Urban Centres and Sustainable Green transportation network are some of the measures for achieving this goal.

It is recognized in the NDC that renewable energy sources are a strategic national resource. Harnessing these sources will put India on the path to a cleaner environment, energy independence and, a stronger economy and towards sustainability. India's share of non-fossil fuel in the total installed capacity is projected to change from 30% in 2015 to about 40 % by 2030. The renewable power target of 175 GW by 2022 will result in abatement of 326.22 million tons of CO₂ eq. /year. The ambitious solar expansion programme seeks to enhance the capacity to 100 GW by 2022, which is expected to be scaled up to 450 GW by 2030.

India's NDC brings a huge responsibility on the country and equally big opportunity for green business and poses skilled man power requirement. As on 31st March, 2021, our country has a total Installed Capacity of 382.15 GW which includes 234 GW from Thermal, 0.462 GW from Hydro, 0.07 GW from Nuclear and 94.4 GW from various Renewable Energy Sources. The 94 GW Installed Capacity from renewable energy includes 39.2 GW from wind energy, 40 GW from solar energy and 15 GW from biomass, small hydro and waste to energy. Manufacturing sector has always been the biggest employment source for the country and to develop RE manufacturing in India, it is important to not only have skilled workforce but also invest in R&D which should be at par to compete at the global market. With the government's pledge under the NDC to scale up renewables in the country, net employment (measured in full-time employees) can be expected to increase by an additional 30 per cent by 2030.

SUSTAINABLE DEVELOPMENT GOALS



The International Labour Organisation estimates that India's shift to a green economy could add 3 million jobs in just the renewable energy sector by 2030. The accelerated growth of solar and wind energy in India, has resulted into about 1 million skilled workforces across the sector. With the new MNRE targets of 450 GW by 2030, this figure is expected to cross 3 million jobs across the country. India needs a skilled workforce to support its energy transition and sustainable development goals. Increased competitiveness of the Indian industry supported by conducive policy design and implementation by the Government will directly lead to enhanced job creation. Green jobs which contribute to the transition to a low carbon economy, thus appear to be the way forward for a nation with a high demographic dividend, a high unemployment rate and a degrading environment.

2.1 Sustainable Development and Green Jobs

To address the skilled workforce issue associated with sustainable development, the Ministry of Skill development and Entrepreneurship has set up a separate skill council, “Skill Council for Green Jobs”, a Sector Skill Council set up for the purpose of developing competencies /skills in the domain of renewable energy, sustainable development and environmental issues.

A Green job is defined as the one that helps bring about and maintain a transition to environmentally sustainable forms of production and consumption. It cut across all the sectors, be it energy, materials, water conservation, waste management, pollution control etc. Green skill can be divided in to two categories vis developing green skills to existing work force and skilling workforce for green jobs. While the ‘Skill Council for Green Jobs’ proposes to target both, the immediate focus would be to skilling workforce for green jobs for renewable energy, energy efficiency and waste and wastewater treatment. Training and skilling workforce in R&D and Manufacturing is the special focus of the Council.

Skill Council for Green Jobs (SCGJ)

Skill Council for Green Jobs (SCGJ) is the sector skill council working in the domain of capacity building for green businesses and cutting-edge climate friendly technologies through skilling and entrepreneurship development. SCGJ was incorporated as a Society in October, 2015, through a joint initiative of the National Skill Development Corporation (NSDC), the Ministry of New and Renewable Energy (MNRE), and the Confederation of Indian Industry (CII) to address skilled workforce requirement for the emerging climate resilient technologies and India’s commitment United Nations Framework Convention on Climate change (UNFCCC) with a vision of a sustainable lifestyle and climate justice society. The Skill Council for Green Jobs is the Sector Skill Council set up as part of Skill India Mission for the purpose of developing competencies /skills in the domain of renewable energy, sustainable development and waste management. It is responsible for quality assurance through accreditation of the skills acquired by trainees, curriculum development for the skills training, qualification framework and setting of standards and benchmarks, recruitment and placement of trained and skilled workforce, as well as a data collection, management and provider to the industry.

2.2 About Skill Council for Green Jobs

The SCGJ covers three work streams – renewable energy; environment, forest and climate change; and sustainable development. The SCGJ scope covers the entire gamut of “Green Businesses”, viz Renewable Energy, Sustainable Development Solid Waste Management, Water Management & e-Waste Management, Green Construction, Green Transport, Smart cities hence would have pan India impact. The aim is to identify skilling needs of service users and manufacturers in the green business sector, and implement nationwide, industry-led collaborative skill development and entrepreneur development programs.



Renewable Energy

1. Solar PV
2. Solar Thermal
3. Wind
4. Hydro
5. Energy Storage
6. Biomass Power / Cogen + CHP
7. Biofuels and Biogas



Environment, Forest and Climate Change

8. Solid waste management
 - Municipal
 - Agriculture and animal husbandry
9. Water Management
 - Sewage treatment and Re-use
 - Rain Water Harvesting and Micro-irrigation
10. E-Waste Management
11. Carbon Sinks
 - TBO-Oil Seeds
 - Agro-Forestry + Plantation
12. Clean Cook-Stoves



Sustainable Development

13. Green Construction
 - Green Buildings
 - Green Campuses
14. Green Transportation
 - Electric Vehicles
 - Bio-fuels Vehicles
 - Bio-CNG Vehicles

In the initial 3 years, SCGJ focus was on sectors aligned with National Solar Mission & Swachh Bharat Abhiyan. Since last year, efforts were extended to other flagship programs of the Government, viz Jal Shakti Abhiyan, JI-VAN & SATAT, Zero Plastic Pollution, Sustainable Mobility, etc. SCGJ is closely interacting with Ministry of New and Renewable Energy, Ministry of Environment, Forest & Climate Change, Ministry of Social Justice and Empowerment, Ministry of Urban Development, Ministry of Water Resources and NITI Aayog to cater to the skilled workforce requirements for the changing scenario. Skill council for Green Jobs is working towards introducing environmental friendly and sustainability in existing job roles as well.

OUR KEY GROWTH DRIVERS



Skill India Mission



INDCs



National Solar Mission



Make in India



Smart Cities Mission



Swachh Bharat Mission



Green India Mission

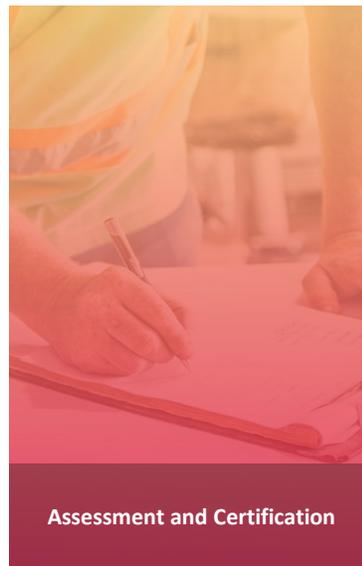


National Water Mission

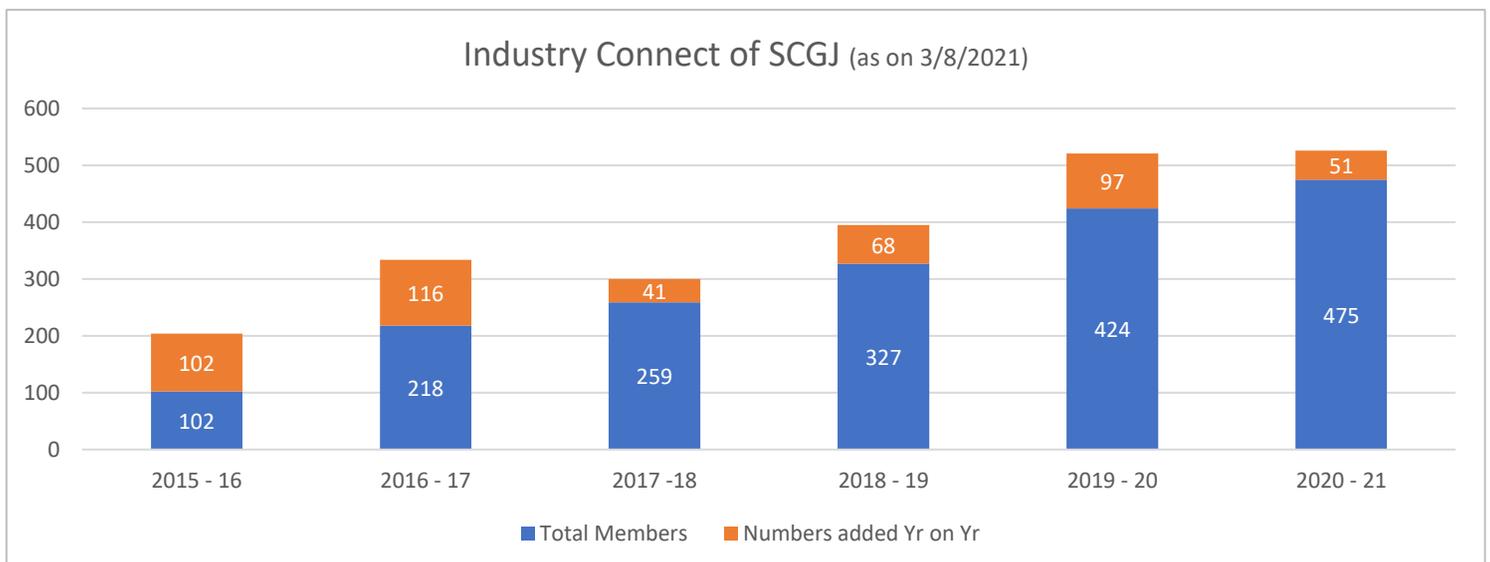
MANDATE OF SCGJ: KEY ACTIVITIES

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

- ❖ Occupational Mapping
- ❖ Skill Gap Analysis
- ❖ Development of Qualification Packs based on Industry requirement
- ❖ Affiliating suitable training partners and assessment agencies
- ❖ Training of Trainers and Training of Assessors
- ❖ Training and certification of candidates in various domain subsectors
- ❖ Creation of Centre of Excellences
- ❖ Improving industry linkages in all the sub-sectors
- ❖ Improving visibility of Skill Council for Green Jobs
- ❖ Consultancy / Organizing short term training programs



SCGJ accords prime focus to industry connect, for demand aggregation, definition of job roles & validation of QP's and e-learning modules. It has 15 industries represented in the Governing Council and another 15 industries on its Advisory Board. In total it has 446 industries as its members and associate members. Year on Year industry membership is as follows:



GOVERNING COUNCIL



MINISTRY OF
SKILL DEVELOPMENT AND
ENTREPRENEURSHIP



MINISTRY OF
NEW AND RENEWABLE ENERGY



MINISTRY OF
POWER



NISE National Institute of Solar Energy
Autonomous Institute under Ministry of New and Renewable Energy Government of India.

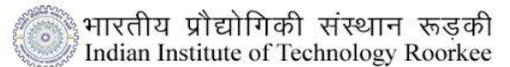


MINISTRY OF
SOCIAL JUSTICE AND
EMPOWERMENT



NATIONAL INSTITUTE
OF WIND ENERGY

INDUSTRY ASSOCIATIONS IN GC



INDUSTRY IN GC



2.3 SCGJ Outreach

The Skill Council is implementing skill development programs supported by Ministry of Skill Development and Entrepreneurship , Ministry of New and Renewable Energy, , Ministry of Social Justice and Empowerment, Ministry of Housing and Urban Development, among others. It also undertakes training and certification activity of following State Skill Missions:

- ❖ UP State Skill Development Mission
- ❖ Madhya Pradesh State Mission
- ❖ Paschim Bangla State Mission
- ❖ Jharkhand State Mission
- ❖ Gujarat State Mission
- ❖ North East State mission
- ❖ Andhra Pradesh State Mission
- ❖ Orissa State Mission
- ❖ Tripura State Mission
- ❖ Bihar State mission
- ❖ J&K State Mission
- ❖ Kerala State Mission
- ❖ Assam Skill Development Mission
- ❖ Delhi Skill Mission
- ❖ Uttarakhand Skill Development Mission
- ❖ Rajasthan Skill & Livelihoods Development
- ❖ Haryana State Skill Mission

Skill Council for Green Jobs is working very closely with various National Institutions to leverage their expertise and strengths in various sub sectors of its work streams. These institutions are being developed as Centers of Excellence of skilling and are by and large used for Training of Trainers and developing Master trainers. SCGJ has developed an Industry lead Centre of Excellence at Bengaluru for research in skilling requirements and supplementing the skill gap analysis specifically in the sustainable development, Rural Sustainable Mobility and Institutionalized approach to Green Economy domains. The center is being utilized to develop models of entrepreneurship development in sustainable economy.

The 7 COE operational are:

- ❖ National Institute of Solar Energy, Gurgaon, Haryana
- ❖ GERMI, Ahmadabad, Gujarat
- ❖ Seacom Skill University, Kolkata, West Bengal
- ❖ Trident Academy of Technology, Bhubaneshwar, Orissa
- ❖ Agency For Non-conventional Energy And Rural Technology (ANERT), Thiruvananthapuram Kerala
- ❖ CVC Training Services, CVC Bio Refineries Bangalore, Karnataka
- ❖ National Institute of Wind Energy, Chennai, Tamil Nadu

2.4 Activities of SCGJ during 2020-21

The Year at a Glance

The physical activities of SCGJ during the Year 2020-21 were shadowed to a large extent by the challenges imposed due to the pandemic. However, the pandemic proved the saying “necessity is the mother of invention”. With classroom training having severe restrictions, SCGJ was forced to adopt E Learning and accelerate the transition towards virtual training. This was done through SCGJ’s E Learning Management Systems (SEMS) launched on 15th August, 2020. Further SCGJ challenged itself by venturing into ‘online courses’, delivering trainings in multiple languages across 42 ISA member countries. Though RPL trainings remain the cornerstone, SCGJ also focused on E Learning approach. Further, Greening NOSs developed by SCGJ are being adopted by all SSCs for the QPs development. SCGJ is also developing courseware for effectively incorporating greening attributes across all job roles.

Skill Council for Green Jobs is approaching completion of 6 years of its existence. Apart from skill trainings to over 5 lakh candidates through its training partners, this year SCGJ has focused on the quality of training and training material, by taking help of its Industry partners, to maintain uniformity in training. Upgrading knowledge of its certified trainers by international experts has been a unique activity of SCGJ during the year. SCGJ has expanded its outreach by participating in international activities and tenders for skilling in renewable energy sector in India. It is joining hands with GIZ, UNDP, FCDO (former DFID) to strengthen its quality of training. SCGJ got an opportunity to conduct online trainings on various topics of Solar Energy, for ISA member countries. SCGJ got its online training aggregation platform developed so that its training partners can do market mode trainings in an online mode. Very recently, GIZ has also supported SCGJ to develop an online training module for technicians of waste water treatment plants and an E learning platform for solar grid engineer. Both the e-learning content is aligned to concerned SCGJ QP.

With the feather of India’s first ever Gold medal at a WorldSkills Competition in SCGJ cap, SCGJ has taken several initiatives, engaged with Industry partners and consulted world skills experts to refine and define our strategies to be adopted for WorldSkills Shanghai 2022. Considering that Renewable Energy has been introduced for the first time in World Skills, our Skill Council 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. The online training activities under this programme include, besides other things, Instructor-led sessions, regular practice competitions and continuous interaction with experts to help candidates at each stage.

Considering the National priority on solar and the fact that renewable energy is a new skill introduced in World Skills, SCGJ has decided to start preparing youngsters from school itself to make them ready for the coming World skill competitions. NSDC had decided to organize the 1st Junior Skills championship in association with CBSE. SCGJ joined hands with NSDC to support the Solar Energy Skill competition at Junior Skills. Learning this skill might open opportunities for young minds to work in the renewable energy industry and contribute to India’s sustainable development. A number of industries are supporting this effort and looking at the outcome to give new opportunities to young students.

The Twelfth Meeting of the Governing Council of SCGJ was held on 23rd February, 2021, under the Chairmanship of Mr. K. Krishan, Chairman, CVC Bio-refineries Private Limited through video conferencing. Mr. K. Krishan has been the founder Chairman of SCGJ. It was his vision and farsightedness that SCGJ could establish itself as a technically sound organisation with its presence through its TPs, across India. Mr. Krishan has completed its tenure of Chairman, SCGJ. He has handed over SCGJ batten to Mr. Sameer Gupta, CMD, Jakson Group of Industries, who was unanimously elected by the Governing Council as Chairman SCGJ, in the 12th meeting held on 23rd February, 2021.

2.4 Activities of SCGJ during 2020-21

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:



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 collaboration with CEEW and NRDC. Skill gap studies on other themes including waste management, green construction, carbon sinks, clean cooking 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 2020-21 following studies have been taken up:

- ❖ Job Roles in O & M of Bio-CNG Plants by SCGJ and DFID, U.K June, 2020
- ❖ Impact Assessment Report for Suryamitra Training Program by SCGJ, December 2020
- ❖ Creating Jobs and Income: Solar Mini Grids making difference in Rural India Case Study by SCGJ, CEEW, and NRDC, March 2021
- ❖ Employment Potential of Emerging Renewable Energy Technologies Insights From the Floating Solar Sector by SCGJ, CEEW, and NRDC, March 2021

2.4 Activities of SCGJ during 2020-21

The SCGJ has been actively working towards achieving all ABP targets. It fulfils all infrastructural requirements and Governance methodology. Overall annual targets in terms of numbers as projected in the ABP - 2019-20 and achievements are summarized below:

S.No	Activity during 2020-21	Target	Achievement 31.3.2021
1	GC Meetings Periodicity		2
2	News Letter	4	4
3	Total Trainers Certified in FY 20-21	145	136
4	Total Assessors Certified in FY 20-21	120	77
5	Total Certified Trainers as per new framework (including OJT)	15	18
6	Total Trainers/Assessors Academy Established Certified	1	1
7	Total QPs Rationalized /Reviewed in FY 20-21	20	21
8	Total Trainer Manuals Created during FY 20-21	10	8
9	Total Assessments during PMKVY-STT during FY 20-21	1250	2034
10	Total Assessments during PMKVY-RPL during FY 20-21	32,567	35.019
11	Total Assessments during PMKVY-Special Projects during FY 20-21	500	563
12	Total Assessments during other Gol Schemes during FY 20-21	8000	8175
13	Total Assessments during State Government Schemes during FY 20-21	1200	1164
14	Total Assessments during Non -Government Schemes during FY 20-21	700	155
15	Skill Gap Study Completion	1	1
16	Total Number of Jobs Aggregated during FY 20-21	6000	8000
17	Total Job Fairs Participated during FY 20-21	3	3
18	Total Apprenticeship contracts generated during FY 20-21	1500	34
19	Total Number of Companies enrolled into ASEEM	18	23
20	Total Number of new companies added as members	60	51
21	Total Number of CoEs created as per MSDE guidelines and to be recognized by MSDE	3	3

2.4 Activities of SCGJ during 2020-21

(a) Regional Center and Centers of Excellence

The SCGJ has set up one regional center cum Centre of Excellence at Bengaluru which is being developed for research in skilling requirements and supplementing the skill gap analysis specifically in the sustainable development, Rural Sustainable Mobility and Institutionalized approach to Green Economy domains. The center is being utilized to develop models of entrepreneurship development in sustainable economy. It is working towards developing training material on water conservation and waste management.

As new addition to COE during the year, SCGJ has signed an MOU with ANERT, Kerala and NISE, Gurgaon to be developed as COE in Renewable Energy and Solar Energy respectively. At ANERT, the first TOT was started on 15th February, 2021. The facilities at NISE are being utilized for TOT and upskilling of Suryamitras. NISE would also be utilized to conduct skill competitions.

SCGJ has now its presence in Bengaluru, Karnataka and Thiruvananthapuram, Kerala (Southern region), Kolkata, West Bengal (Eastern region) and Ahmedabad, Gujarat (Western Region) and Gurgaon, Haryana to widen its outreach to industry as well as training partners.

SCGJ has requested to DG, National Institute of Wind Energy, Chennai to develop it as COE of Wind Energy and MNRE to develop Sardar Swaran Singh National Institute of Bio-Energy (SSS-NIBE), Kapurthala as COE in Bioenergy sector.

It is also proposed to develop MPSOEB as Centre of Excellence (COE) for Paper recycling & Paper Bag making and & the Entrepreneurship Development Institute of India (EDII) for Entrepreneurship course.

(b) Consultancy Projects

SCGJ has expanded its activities by taking up consultancy projects in the area of Skilling for Green Jobs sectors.

Following are the assignments completed /initiated by SCGJ during 2020 -21:

- 1. The project “Simultaneous intervention of renewable energy systems and skilling for smart model villages of Haryana** adopted by Hon’ble President of India” has been completed and final reports submitted to REC foundation. As part of this project, SCGJ has promoted 13874 clean cookstove, 200 RO water purifier and 1169 mechanical water filter and supported 25 entrepreneurs for adopting e- rikshaw . Solar PV roof top systems have been installed at 62 locations with aggregate capacity of 226 KW. Cumulatively, all the supported interventions ensures that the beneficiaries get reliable access to clean, affordable, reliable and quality energy while also creating potential livelihood related opportunities. A third party impact assessment study by REC, as part of closing the project was completed during the year.
- 2. Short term and RPL training of SafaiKaramcharis and their dependants supported by NSKFDC**
National Safai Karamcharis Finance & Development Corporation (NSKFDC) is a wholly owned Govt. of India undertaking under the Ministry of Social Justice & Empowerment (M/o SJ&E). NSKFDC is an Apex Corporation for the all-round socio- economic upliftment of the Safai Karamcharis, Scavengers and their dependents throughout India. SCGJ has developed a Training Delivery Plan of 35 hrs for upskilling Safai Karamchari under Recognition of Prior Learning (RPL) programme. It covers important topics such as Mechanized Cleaning, Key Provisions of Manual Scavenging Act 2013 and Mechanized and Safe Cleaning of Sewer and Septic Tanks, Personal Health and Safety etc. A pictorial participant handbook on the safe sanitation cleaning processes has also been prepared. A similar Training Delivery Plan of 35 hrs for upskilling waste pickers have been developed under Recognition of Prior Learning (RPL) programme.

2.4 Activities of SCGJ during 2020-21

So far, SCGJ has completed RPL training of 21,000 Safai Karamcharis, waste pickers and desludging operators. SCGJ has also conducting 132 workshops on “Prevention of Hazardous Cleaning of Sewers and Septic Tanks” as a special assignment from NSKFDC. During the year 2020-21, NSKFDC has sanctioned short term training of 200 dependents of safaikaramcharis in solar domain and RPL of 6000 safaikaramcharis.

3. World Bank Grid connected Rooftop SPV Technical Assistance Programme

Skill Council for Green Jobs is the capacity building and skill development partner under The World Bank Grid connected Rooftop Solar PV Technical Assistance (TA) Program. The World Bank is supporting the GoI's program to generate electricity from the widespread installation of Grid Connected Solar Rooftop by lending \$625 million to State Bank of India. SBI have appointed Ernst & Young Consortium as the Project Management Consultant (PMC) for managing the administration of this five-year TA program. EY Consortium comprises of EY, SCGJ, IDAM Infrastructure, Emergent Ventures India, GSES and Edelman. Under the program, so far than 1542 trainees across the country including discom engineers, SBI bankers and entrepreneurs have been trained through 49 trainings, since the inception of program in May 2018. The project stand completed in 2020.

4. RPL training of 4000 SafaiKaramcharis of NOIDA supported by HCL foundation, Noida

During the year 2019-20, HCL foundation, NOIDA has sanctioned RPL training of 4000 safaikaramcharis of Noida. SCGJ has delivered training to 3,425 candidates with the help of its training partners. The training was conducted at 3 locations in NOIDA. Further, SCGJ has prepared 6 videos as e-learning modules on solid waste management as part of this project. The project stands completed.

5. Skill training for Wastewater Treatment Plant Technicians

SCGJ has now entered into wastewater treatment training and have conducted Training of Trainers(ToT) on Wastewater Treatment Plant Technician. SCGJ conducted training of 118 wastewater treatment plant technicians in different Wastewater treatment plants of Delhi, namely Mayapuri, Bawana, Badli and G.T.Karnal Road CETPs.

6. Online Skill Training course for ETP/CETP/STP operators/technicians by GIZ

SCGJ participated as a stakeholder in the development of online skill training course for Common Effluent Treatment Plants and other Wastewater Treatment Plant. The e – learning modules have being the year and are now hosted by SCGJ for trainings. A strategy has been developed to establish connect with CETPs for “on the job training” which will be integral part of SCGJ certification program.

7. Scoping study on "Green Jobs and Eco-entrepreneurship opportunities for women" by UNDP

SCGJ participated as a stakeholder in the preparation of the report prepared by KPMG on the scoping study on green jobs and eco-entrepreneurship opportunities for women in five sectors {renewable energy, green transport, green construction, carbon sinks (forest, marine fisheries) and water management} across select states, namely NCR Delhi, Haryana, Maharashtra, Karnataka, Telangana, Uttarakhand and Odisha. The report was presented by KPMG on 23rd June 2020 in the Stakeholder's meeting chaired by Senior Advisor, Ministry of Skill Development and Entrepreneurship.

8. DFID supported activity on developing QPs Bio-CNG

The study was commissioned by FCDO (formerly DFID), under the Skills for Jobs Programme, in partnership with Skill Council for Green Jobs (SCGJ) to help identify new age and emerging job roles in the Bio-CNG plants which would further guide development of National Occupational Standards. KPMG was the implementation partner to carry out the study. DFID in partnership with KPMG and SCGJ has developed 4 Job Roles in Operations and Maintenance of Bio-CNG plants.

2.4 Activities of SCGJ during 2020-21

9. Online Solar Energy Training program for ISA member countries

In order to mitigate the gap with respect to policy, regulatory, legal, financial and technical aspects in ISA Member Countries, the International Solar Alliance (ISA), has launched a initiative on conducting on line Training program for Bankers, Solar Entrepreneurs and others. As part of this activity, SCGJ has provided structured training 998 to bankers, Solar Entrepreneurs and others from 42 ISA member countries on solar proposal evaluation, solar roof top systems and solar mini grids. These training programmes were delivered by SCGJ certified Master Trainers. It was a 5 days online training program (10 structured lectures of 1.5 hrs each). 15 batches have been conducted including 5 batches in French and Spanish language.

10. Indian Rooftop PV Installers Skilling & Employment (IRISE) project of GIZ

'Indian Rooftop PV Installers Skilling and Employment (IRISE)' is a GIZ funded project that aims to implement capacity building activities for improving the market development and quality of rooftop PV systems in India. As a consortium partner in the project, SCGJ has been supporting RENAC, the lead project partner on delivering a range of technical content related services and organizational services for implementing multiple upskilling trainings and workshops. One of the key objectives of the project is to improve PV rooftop installation quality through Up-skilling 1500 Indian solar installers (certified Suryamitra) and other stakeholders including EPC companies etc through Train-the-Trainers and hands-on trainings, revision of curricula, trainings of e-mobility and showcasing the German dual VET apprenticeship experience.

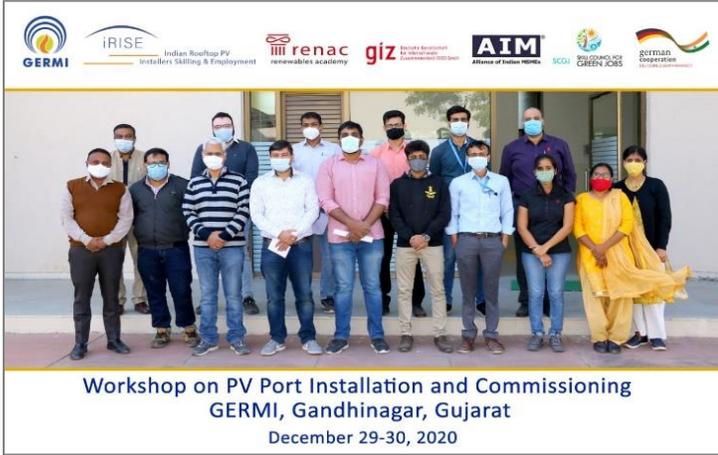
1500 "Suryamitra" candidates are being upskilled through 10 days physical training at 30 Training partners' premises located across 13 states and UTs. Over 70 trainers have also been trained and certified by the German Master Trainers and Experts through a virtual TOT conducted over 4 months. To enhance their employability, Suryamitra certified candidates are being upskilled on various aspects of quality and safety in solar rooftop installations, using PV Port as a benchmark. Designed by GIZ, PV Port and Store is a standardized portable "plug n play" 2KWp solar rooftop system suitable for residential and commercial consumers which will be used as a benchmark system for installation trainings under the project. To address the challenges involved with small scale grid connected rooftop solar power plants (<3KW capacity), GIZ proposed the concept of this innovative energy system.

Upskilling selected stakeholders on rooftop installation, including PV Port through IRISE project has its origins through another GIZ funded project "Trainings on Rooftop PV in India (TROPHI)" where multiple trainings were provided to discom staff on grid integration along with Suryamitra TOTs. GIZ while recognizing the potential of solar rooftop in creating additional employment across the country and the importance of sharing best practices around skilling and capacity building, formulated this project while building on its prior experience. With the recent success with the TOTs and the growing interest for such interventions in the market; GIZ has enhanced the scope of the project whereby 450 more suryamitras will be upskilled with the support of 15 additional training partners across the country.



2.4 Activities of SCGJ during 2020-21

On site trainings under GIZ IRISE Project



2.4 Activities of SCGJ during 2020-21

Capacity Building of Field Workers of Noida Authority



Health Check up



Health Check up



Women Participation in Training



Training

2.4 Activities of SCGJ during 2020-21

(c) Advocacy

Some of the major on line events where SCGJ played active role:

S.No.	Webinar/ Virtual Meeting/ Workshops	Date
1.	Virtual meeting on "Online Skill Training course for ETP/CETP/STP operators/technicians" by GIZ on	07 th May 2020
2.	Online Panel Discussion with Sector Experts on Enhancing Multi-Hazard Disaster Management in the context of COVID-19 by HCL	15 th June 2020
3.	Webinar on waste management during Covid-19 pandemic by UNEP	15 th June 2020
4.	Virtual meeting on Scopi18 th June 2020ng study on "Green Jobs and Eco-entrepreneurship opportunities for women" by UNDP	23 rd June 2020
5.	Webinar on Launch of India Roadmap on Low Carbon and Sustainable Mobility (Decarbonisation of Indian Transport Sector) by FICCI	23 June, 2020
6.	Virtual meeting on Pursuing a clean air agenda in India during the COVID crisis- on the opportunities and challenges for progress on air pollution mitigation in India by CPR	17 th July, 2020
7.	Virtual Meeting on Schemes & Issues Pertaining to the Biogas Programme in India by NITI Aayog	21-July-2020
8.	Workshop on "Regulations and financing of apprenticeships" by ILO	23 rd July 2020
9.	Webinar on UK- India Webinar on COVID-19 and Waste Water: Sewage Surveillance for Early Warning by IAESPH	24 th July 2020
10.	Webinar on "Biogas: Ek Kadam Atmanirbharta ki aur" on case studies on Biogas as an option to become energy independent by IBA	25 th July 2020
11.	Workshop on Dissemination Workshop: A study on 'Future Job roles in Operations and Maintenance of Bio-CNG plants in India by DFID	29 th July 2020
12.	Two Virtual meeting on Task Force on Bioenergy 2020-21 by CII	17 th Aug., 2020
13.	Virtual conference on Waste Management Technology, Trend & Development	14 th Aug. 2020
14.	Webinar on MNRE-CEEW Industry Consultation Workshop on Bioenergy- conceptualize India's Bioenergy Mission	06 th August 2020
15.	Webinar- Organized by TERI On Clean fuel for cooking: Solution to achieve better air quality	19 th September, 2020
16.	Round Table Theme Presentation by Innovative Thought Forum On Contributed on Skilling in Emerging Green Jobs in India for Pragmatic ways for Atmanirbhar Bharat	December, 2020
17.	Webinar- Organized by UNDP Launch of Human Development Report 2020,	16th December, 2020
18.	international conference on "Advances in agricultural & food sciences to face the challenges to environment and biosecurity" organized by Sharda University	17th January, 2021
19.	Meeting- Organized by United Nations Children's Fund Possibility of Connecting with UNICEF on Green Economy Access to Youth	9th February, 2021
20.	World Sustainable Development Submit – 2021 thematic track on 'Harnessing the socio-economic co-benefits of renewable energy: Making the Paris Agreement a success for the planet and the people'	10 February, 2021
21.	Seminar: Skills after Covid: shaping TVET to meet the needs of the next generation: British Council UK Skills Seminar in partnership with the Welsh Government	March 2 nd 2021
22.	Training: Editors Training for the Online-Training course "Wastewater Treatment Plant Technicians" Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH	March 23 rd 2021

2.4 Activities of SCGJ during 2020-21

Department for International Development
UK Government

Department for International Trade

SCGJ | SKILL COUNCIL FOR GREEN JOBS

Study Dissemination : Online Meeting

Future Job – Roles in Operations and Maintenance of Bio-CNG Plants

Date: Wednesday, 29 July 2020 | Time: 2:30 – 4:00 PM (IST)

Moderator

Speakers

Anu Gupta
Head, Skills
DFID India

Sh. Dinesh Dayanand Jagdale
JS, MNRE, GOI

Mr. Gavin McGillivray
Head of DFID
India

Dr. Praveen Saxena
CEO, SCGJ

Dr. Parveen Dhamija
Senior Advisor, SCGJ

[Join Microsoft Teams Meeting](#)

To secure your place in the session as participant and to share your questions to the panelists in advance, please email at ramita.Taneja@ficci.com

Online meeting on Future Job - Roles in Operations & Maintenance of Bio-CNG Plants

Zoom Meeting

Recording...

D.P. Saxena, CEO

Girish B

Abhimanu Sahu

Kannan Balara

Jawahar M Jan...

Kacho Ahmad Khan

pkanagavel.niwe

Gopal Krishna ...

Sunil Jain

Kolluru Krishan

Ajit Ajit Samanta

Sarvesh

Sonia Parashar

Parveen

Ankur Sood

Arpit Sharma

Sangeeta

Prem Bharti

Deepak Rai

Mohan Reddy

Arun Chandel

Pushpinder Tiwari

Sonali David, N...

Kamal Saxena

11th GC & 5th AGM of Skill Council for Green Jobs (SCGJ)



Balance Sheet

FY 2019 - 2020

3.0 Balance Sheet of SCGJ

FY 2020 - 2021

SKILL COUNCIL FOR GREEN JOBS BALANCE SHEET AS AT 31.03.2021

CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	[Amount - Rs.]	
		31.03.2021	31.03.2020
CORPUS / CAPITAL FUND	1	4,21,05,716	2,22,77,761
RESERVES AND SURPLUS	2	-	-
EARMARKED / ENDOWMENT FUNDS	3	7,72,76,853	2,10,35,826
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	-
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	4,52,25,041	4,85,77,444
TOTAL		16,46,07,610	9,18,91,031
ASSETS			
FIXED ASSETS	8	6,90,436	46,12,186
INVESTMENTS - FROM EARMARKED / ENDOWMENT FUNDS	9	-	-
INVESTMENTS - OTHER	10	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	16,39,17,173	8,72,78,845
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)		-	-
TOTAL		16,46,07,610	9,18,91,031
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: 26/08/2021

For SKILL COUNCIL FOR GREEN JOBS



Chairman

Treasurer

Secretary



3.0 Balance Sheet of SCGJ

FY 2020 - 2021

SKILL COUNCIL FOR GREEN JOBS INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2021

INCOME	Schedule	[Amount - Rs.]	
		01.04.2020 To 31.03.2021	01.04.2019 To 31.03.2020
Income from Sales / Services	12	-	-
Grants / Subsidies	13	-	-
Fees / Subscriptions Received	14	27,42,35,985	16,56,26,488
Income from Investments (Income on Invest. from earmarked/endow. Funds transferred to Funds.)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	16,44,908	11,06,959
Other Income	18	3,01,131	10,90,854
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
TOTAL (A)		27,61,82,024	16,78,24,301
EXPENDITURE			
Establishment Expenses	20	25,26,51,079	13,99,00,707
Other Administrative Expenses etc.	21	33,86,451	75,53,995
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	0	35,516
Depreciation (Net Total at the year-end - corresponding to Schedule 8)		3,46,539	64,36,104
		25,63,84,068	15,39,26,322
Excess of Income over Expenditure/(Excess of Expenditure over Income)		1,97,97,955	1,38,97,979
Transfer to Earmarked/Endowment Funds - Schedule 3		-1,97,97,955	-1,38,97,979
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: 26/08/2021

For SKILL COUNCIL FOR GREEN JOBS

Chairman

Treasurer

Secretary



4.0 Functional details of SCGJ



Functional Divisions



Standards & Research



Assessment & Assurance



Marketing & Partnerships

Key performance areas of each department

- 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 SBI/World Bank project
- Implementation of GIZ project

- 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

- 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

2020 - 2021

5.0 Standards & Research Group

2020 - 2021

The Standards and Research is the Technical Wing of Skill Council for Green Jobs the major responsibility and achievements during 2020-21 of Standards and Research group are as follows:

STANDARDS & RESEARCH

01

Occupational Mapping
& Skill Gap Analysis

02

Development of Qualification
Packs based on Industry
requirement

03

Curriculum and Courseware
Development

04

Interface with bilateral and
multilateral agencies

05

Coordination with Universities
and Colleges for NSQF alignment
of B.Voc courses

06

All technical matters including
SBI / World Bank Project, GIZ
/RENAC project

Standards and Research Group primarily develops 'National Occupational Standards' and 'Qualification Packs' across cross cutting domain, as per the 'National Skills Qualification Framework' (NSQF). Since Qualification Packs 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 Qualification Packs to supplement the training programs.

Major Achievements during 2020-21

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 Small Hydro, Solar Water pumps, including micro irrigation; micro grids, Green materials with bamboo application in green construction. New QPs are also proposed to be developed for new technologies like floating solar, Solar PV-Wind Hybrid domain etc to meet the future requirements in evolving technology segment.
- A meeting of reconstituted NOS committee on Solar was held on 18th February, 2020 with 10 industry members representing some key solar manufacturers, developers and EPC companies spearhead overall revision/rationalization process in the solar PV domain. 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.

5.0 Standards & Research Group

2020 - 2021

- 8 Qualification Packs on Wind Energy have been reviewed by the NOS committee on wind energy. These QPs are being revised and revived to focus on scaling up trainings on various aspects of wind energy technology through Vayumitra program, in coordination with NIWE, Chennai.
- Through a DFID supported assignment, a study on “Future Job roles in Operation and Maintenance of Bio CNG Plants” has been completed by KPMG. The study outlines key jobs required by the Bio CNG industry in next 3-5 years along with skilled work force numbers for which new Qualification Packs and training material on four job roles have been developed.
- The GIZ supported e- Learning platform on waste water plant technician and solar grid engineer have been made operational.
- SCGJ has been actively involved in providing technical inputs for Skill Gap and employment potential mapping studies carried out by Natural Resources Defense Council (NRDC) and Council on Energy, Environment and Water (CEEW). Further a study on mapping the employment potential through Solar based Mini/Micro Grid segment has been recently completed.
- Creating Jobs and Income: Solar Mini Grids making difference in Rural India, Case Study by SCGJ, CEEW, and NRDC was published in March 2021.
- Employment Potential of Emerging Renewable Energy Technologies, Insights From The Floating Solar Sector, SCGJ, CEEW, and NRDC was published in March 2021
- SCGJ has jointly carried out the skill gap study and occupational mapping of Industrial Wastewater sector, with GIZ and National Productivity Council (NPC).
- Multiple E content have been developed on waste management through HCL CSR support.
- Video content describing covering the best practices for solar rooftop installation including “Dos and Don’t’s” have also been developed with support from Hero Future Energies.
- Impact Assessment Report For Suryamitra Training Program, was completed in December 2020

b) Occupational Mapping and Skill Gap Analysis

- Rationalization process of 19 Solar PV and waste management Qualification Packs completed
- Rationalization process of 8 wind energy Qualification Packs in progress
- A New QP on Small Hydro is submitted to NSDC for approval
- Total development of 51 Qualification Packs
- Borrowing of 2 Qualification Packs
- Obtained more than 1380 validations for 51 QPs developed so far
- Training video for Suryamitra with a focus on adopting best practices in Solar rooftop installation has also been developed with Hero Future Energies

5.0 Standards & Research Group

2020 - 2021

- SCGJ is now aiming to slowly metamorphosize from its role in “Skilling & Certification” to “Green Entrepreneurs Development” by implementing a range of activities in alignment with key schemes of the Government under the program mode. In this context, the below section summarizes the activities undertaken and envisaged.
- So far over 100,000 trainees under the renewable energy domain (largely solar), majority of which are suryamitra (over 75,000) have been trained and certified across the country. Various initiatives are also being carried out to map the impacts of Suryamitra programme, other trainings and identify what new interventions could be carried out to strengthen overall training delivery and adoption of skilled workforce by the industry. In that reference, an impact assessment study of Suryamitra programme has also been completed during the year. At the same time, a range of upskilling trainings are also carried out to ensure that skilled manpower in line with the evolving requirement of the industry is readily available. Through GIZ assistance, 1500 certified Suryamitra are being upskilled with a focus on installation and commissioning of PV Port, an innovative solar plug & play or behind the meter system; across 12 states. For that 30 Training partners have to conduct training for 60 batches of certified suryamitra trainees. Over 70 trainers have also been trained through a 4 months long TOT process, which was largely undertaken virtually.
- GIZ supported online trainings on wastewater treatment plant technician on Open EDX have started
- With a focus on Swachh Bharat Abhiyan (urban), RPL trainings for over 4 lakh Safai Karamcharis and Waste pickers have been implemented by SCGJ. SCGJ has been key SSC for imparting trainings to over 21,000 Safai Karamcharis and waste pickers under various programs of National Safai Karamcharis Finance and Development Corporation (NSKFDC). Subsequently 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. For Swachh Bharat Abhiyan (Rural) and farm waste management, Four QPs namely Agri-residue Aggregator, Manure Aggregator, Biomass Depot Operator and Manager-Waste Management have also been developed
- Under Jal Shakti Abhiyan, SCGJ has developed 2 QPs for Plant Technician/ Helper as well as Participant Handbook in Waste Water Treatment and accordingly implemented multiple RPL trainings for CETP operators in Delhi in early 2020. Focus Group Discussions with ETP and CETP plant association, waste-water industry stakeholders have also been carried out. Further training programs were also being developed for STPs in collaboration with National Mission on Clean Ganga at Haridwar. Online training modules for CETP operators in collaboration with GIZ have also been developed. SCGJ is also planning to develop QPs for RPL of existing STP technicians in gated establishments (Commercial & Industry, Apartment Blocks, etc) to provide multi-trade skills in maintenance of Sewage Treatment Plants (STP’s) as well as Rain Water Harvesting (RWH) units and, thereby, optimizing treated water re-use as well as rain water harvesting. In addition, Ministry of Housing and Urban Affairs, has also given a target for training 6000 trainees on Desludging Operator job roles under Faecal Sludge and Septage Management (FSSM) across the country of which 3150 trainings have been completed.
- To meet the skilled manpower requirement under PMAY/Green construction sector, SCGJ has proposed to develop selected QPs and undertake targeted training programs, which incorporate new concepts of green buildings and sustainable building materials. Further new qualifications and supporting curricula are also being planned to designed and developed for Central Pollution Control Board staff through a GIZ supported capacity building initiative for CPCB. Multiple surveys and focused group discussions have also been carried out with the selected CPCB staff (Scientist B,C and D) as part of training needs assessment.

5.0 Standards & Research Group

2020 - 2021

c) Interface with bilateral and multilateral agencies

GIZ Funded Project IRISE: Under the GIZ funded Project Indian Rooftop PV Installers Skilling and Employment (iRISE), SCGJ is supporting RENAC, the lead project partner on delivering a range of technical content related services and organizational services for implementing multiple trainings and workshops. The project has a primary focus to improve PV rooftop installation quality through of Up-skilling Indian solar installers (certified Suryamitra) and companies through Train-the-Trainer and hands-on trainings, Showcasing the German dual VET apprenticeship experience.

Under the project, 30 Training Partners have been selected across 13 states and UTs to undertake upskilling trainings of 1500 suryamitra certified candidates on various aspects of solar rooftop installations with a particular focus on PV Port, an innovative energy system. Nominated Trainers of the participating training institutions have also attended and completed TOT, which included e-learning, virtual classroom, virtual workshop and a physical installation workshop. Participating training institutions have received a practical training equipment package consisting of a PV Port with lead acid storage battery, and a set of tools through the project budget. They have also been receiving direct financial assistance from the project budget for the implementation of up to 60 upskilling trainings. Recently the scope of the project has been expanded to upskill additional 450 suryamitra certified candidates with the support of 15 new training partners.

With support from GIZ, SCGJ has also created E Learning platform for Solar Grid Engineer and in waste water segment to help the concerned trainees complete the required online training at their convenience. Many other similar virtual training platform are planned to be designed for multiple stakeholders including for site inspections of solar water pumping system under PM KUSUM scheme.

Multiple Interactions with ISA, FCDO (formerly DFID), GIZ, 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.

d) SUPRABHA World Bank Training Program

Under the SUPRABHA World Bank Technical Assistance Program, SCGJ conducted trainings for SBI Officers, Utility Engineers, Entrepreneurs/ Solar Developers and TOTs. In total, 1542 trainees were trained in just over a year through organizing 49 trainings across the country which resulted in training and certification of 295 solar entrepreneurs, 744 utility engineers, 386 SBI bankers, 68 solar developers along with 49 trainers and master trainers.

5.0 Standards & Research Group

2020 - 2021

e) Comprehensive list of Qualification Packs developed so far

SCGJ has developed 50 Qualification Packs and adopted 2 QPs in following sub-sector

Sl. No.	Qualification Pack Title	QP Code	NSQF level
1	Solar PV Installer (Suryamitra)	SGJ/Q0101	4
2	Solar PV Installer - Electrical	SGJ/Q0102	4
3	Solar PV Installer - Civil	SGJ/Q0103	4
4	Rooftop Solar Photovoltaic Entrepreneur	SGJ/Q0104	6
5	Solar Proposal Evaluation Specialist	SGJ/Q0105	5
6	Rooftop Solar Grid Engineer	SGJ/Q0106	5
7	Solar PV Business Development Executive	SGJ/Q0107	5
8	Solar PV Site Surveyor	SGJ/Q0108	6
9	Solar PV Assistant Structural Design Engineer	SGJ/Q0109	5
10	Solar PV Designer	SGJ/Q0110	7
11	Solar PV Project Helper	SGJ/Q0111	2
12	Solar PV Engineer (Option: Water pumping system)	SGJ/Q0112	5
13	Solar Site In-charge	SGJ/Q0113	6
14	Solar PV Project Manager (E&C)	SGJ/Q0114	7
15	Solar PV Maintenance Technician - Electrical (Ground Mount)	SGJ/Q0115	4
16	Solar PV Maintenance Technician - Civil (Ground Mount)*	SGJ/Q0116	4
17	Solar PV O&M Engineer	SGJ/Q0117	5
18	Solar Off Grid Entrepreneur	SGJ/Q0118	5
19	Solar Lighting Assembler (Elective: Home lighting system / Street lights)	SGJ/Q0201	4
20	Solar PV Manufacturing Operator	SGJ/Q0119	4
21	Solar Domestic Water Heater Technician	SGJ/Q0601	4
22	Solar Thermal Plant Installation & Maintenance Technician	SGJ/Q0602	4
23	Solar Thermal Engineer -Industrial Process Heat (Option: Consultant)	SGJ/Q0603	5
24	Improved Cookstove Installer	SGJ/Q2101	4
25	Portable Improved Cookstove Assembler	SGJ/Q2102	3
26	Portable Improved Cookstove Sales and Maintenance Executive	SGJ/Q2104	4
27	Portable Improved Cookstove Distributor	SGJ/Q2105	6
28	Recyclable Waste Collector and Segregator	SGJ/Q6101	4
29	Safai Karamchari (Elective: Wet Cleaning / Mechanised Cleaning)	SGJ/Q6102	3
30	Waste Picker	SGJ/Q6103	3
31	Wastewater treatment plant technician	SGJ/Q6601	4
32	Wastewater treatment plant Helper	SGJ/Q6602	3

5.0 Standards & Research Group

2020 - 2021

Sl. No.	Qualification Pack Title	QP Code	NSQF level
33	Assistant Planning Engineer-Wind Power Plant	SGJ/Q1201	4
34	Site Surveyor Wind Power Plant	SGJ/Q1202	6
35	Construction Technician (Civil)- Wind Power Plant	SGJ/Q1402	4
36	Construction Technician (Mechanical)- Wind Power Plant	SGJ/Q1401	4
37	Construction Technician (Electrical)- Wind Power Plant	SGJ/Q1403	4
38	CMS Engineer- Wind Power Plant	SGJ/Q1501	4
39	O&M Mechanical Technician-Wind Power Plant	SGJ/Q1502	4
40	O&M Electrical & Instrumentation Technician –Wind Power Plant	SGJ/Q1503	4
41	Animal Waste Manure Aggregator (Option: Biogas Plant Operator/Compost Plant Operator)	SGJ/Q6302	4
42	Agri-residue Aggregator	SGJ/Q6201	4
43	Biomass Depot Operator	SGJ/Q6207	4
44	Manager- Waste Management (Elective: Biomass Depot / Compost Yard / Dry Waste Center)	SGJ/Q6501	6
45	Septic Tank Technician	SGJ/Q6402	4
46	Desludging Operator	SGJ/Q6403	4
47	Faecal Sludge Treatment Plant O&M Technician	SGJ/Q6404	4
48	Technician-Paper Bag Manufacturing	SGJ/Q8701	3
49	Paper Bag Maker	SGJ/Q8702	5
50	E-Waste Recycling Entrepreneur	SGJ/Q0202	6
51	Solar Pump Technician	SGJ/AGR/Q6701	4
52	Social Media Executive	SGJ/MES/Q0702	4

Note: *Solar PV Maintenance Technician - Civil (Ground Mount); SGJ/Q0116 shall be retired from Sep 2021

NSQC approved, National Qualifications

SCGJ has 33 QPs which are NSQC approved and have been declared National Qualifications. Their Q-Files are also available on the portal of National Qualification Register (NQR).

f) Model Curriculum and Courseware Development

Total 50 Model curriculums have been developed for 20 Solar PV QPs, 3 Solar Thermal QPs, 8 Wind Energy QPs, 13 Waste Management QPs, 2 Water Management QPs and 4 Clean Cookstove QPs. SCGJ has developed 18 Participant Handbooks for 9 Solar QPs, 7 Waste Management QPs and 2 Water Management QPs. Also, 3 Participant Handbooks are under development for 3 Waste Management QPs. Model Curricula along with Participant Handbooks and Facilitator Guides for 2 Greening NOS (Level 3 and 5) have also been developed and being finalized to be extensively utilized by all SSCs for trainings across all job roles.

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

Participation in Advisory Board Committee for curriculum alignment of B.Voc. Programme in Renewable Energy Technology and Management at: Stella Maris College, Chennai, Tamil Nadu, Pt Ravishankar Shukla University ,St. Berchmans College, Changanacherry, Kerala, Industrial Waste Management at Central University of Haryana, etc. Interaction carried out with Pune University and Tezpur University for incorporating the Green Skills component in their existing course B.Voc. in Renewable Energy Management.

5.0 Standards & Research Group

2020 - 2021

h) 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. SCGJ provides significant importance to these CPD(Continuous Professional Development) approaches to enable individuals to take charge of their career development and aspirations.

Sector specific Labour Market Information

S.No	Sectors	Sub sectors	Existing work force 2020	Workforce required by 2030	2021-2030
1	Renewable Energy	Solar Photovoltaics	1,80,000	9,15,000	7,35,000
2		Solar Thermal	14,500	35,000	20,500
3		Wind Power	60,000	1,80,000	1,20,000
4		Small Hydro Power	10,000	30,000	20,000
5		Biomass/ Cogen/CHP	25,000	1,00,000	75,000
6		Energy Storage	50,000	3,00,000	2,50,000
7		Biofuels (including Biogas)	55,000	2,75,000	2,20,000
	Sub Total RE		3,94,500	18,35,000	14,40,500
8	Sustainable Development	Clean Cook Stoves	75,000	4,00,000	3,25,000
9		Green Construction Matls + Design	2,20,000	25,00,000	22,80,000
10	Waste Management	Water Management	30,00,000	1,90,00,000	1,60,00,000
11		Solid Waste Management	40,00,000	1,98,00,000	1,58,00,000
12		E-Waste Management	70,000	4,00,000	3,30,000
	Sub Total		73,65,000	4,21,00,000	3,47,35,000
14	G. Total		77,59,500	4,39,35,000	3,61,75,500

5.0 Standards & Research Group

2020 - 2021

Job Roles developed so far:

Sector-wise Job Roles	NSFQ Job Levels						QPs Ready
	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	
Solar Photovoltaic	1	0	7	6	3	3	20
Solar Thermal	0	0	2	1	0	0	3
Biomass Energy	0	0	3	0	1	0	4
Waste Management	0	3	4	0	1	0	8
Waste Water Treatment	0	1	3	0	0	0	4
Clean Cooking	0	1	2	0	1	0	4
Wind Energy	0	0	6	1	1	0	8
Total	1	5	27	8	7	3	51

SCGJ Qualification Packs covers following National Classification of Occupation

S.N.	NCO	NSQF	No. of QPs
1	Engineering and Design	5	1
2	Designer,	5	1
3	Manufacturing,	4,3	5
4	Installation, (O&M)	4,3,2,5	13
5	Management,	7,6	3
6	Inspection and Commissioning	5	1
7	Business Development,	5	1
8	Supply chain management	4	2
9	Production	4	1
10	Sanitation,	3	1
11	Waste Collection and Segregation	4,3	2
12	Marketing and sales	6.4	2

SCGJ has also developed 2 Greening NOS, to bring about change in work culture & inculcate adoption of clean technologies & green practices.



Assessment & Assurance Group

2020 - 2021

6.0 Assessment & Assurance Group

2020 - 2021

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:

ASSESSMENTS & ASSURANCE GROUP

01

Affiliating suitable training partners and assessment agencies

02

Organization of meetings of Affiliation Sub-committee

03

Mapping of Training Centers on National Portal with unique identification numbers

04

Training of Trainers

05

Planning of Delivery of Training by affiliated Training Centers as per annual targets

06

Assessment through third party

07

Certification of candidates

08

Coordination with NSDC and uploading of data on National Portal

Major Achievements during April 2020-July 2021

S.No	Scheme	Candidates Certified During April 2020-August 2021
1	PMKVY 2.0	2132
2	PMKVY 2.0 special projects	563
3	PMKVY 2.0 RPL 2 program	35983
4	Govt Schemes e.g., MNRE, NSKFDC, NULM, NBCFDC etc.	12100
5	Market mode program	1174
6	State Govt Funded Programs	1904
7	Conducted TOT	136 Trainers
8	Conducted TOA	77 Assessors

Cumulative Status

- Affiliated 294 Training Centres
- Empaneled 31 Assessments Agencies as per the new SOP issued by NSDC

6.0 Assessment & Assurance Group

2020 - 2021

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 33 NSQC approved QPs, 26 (70%) 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

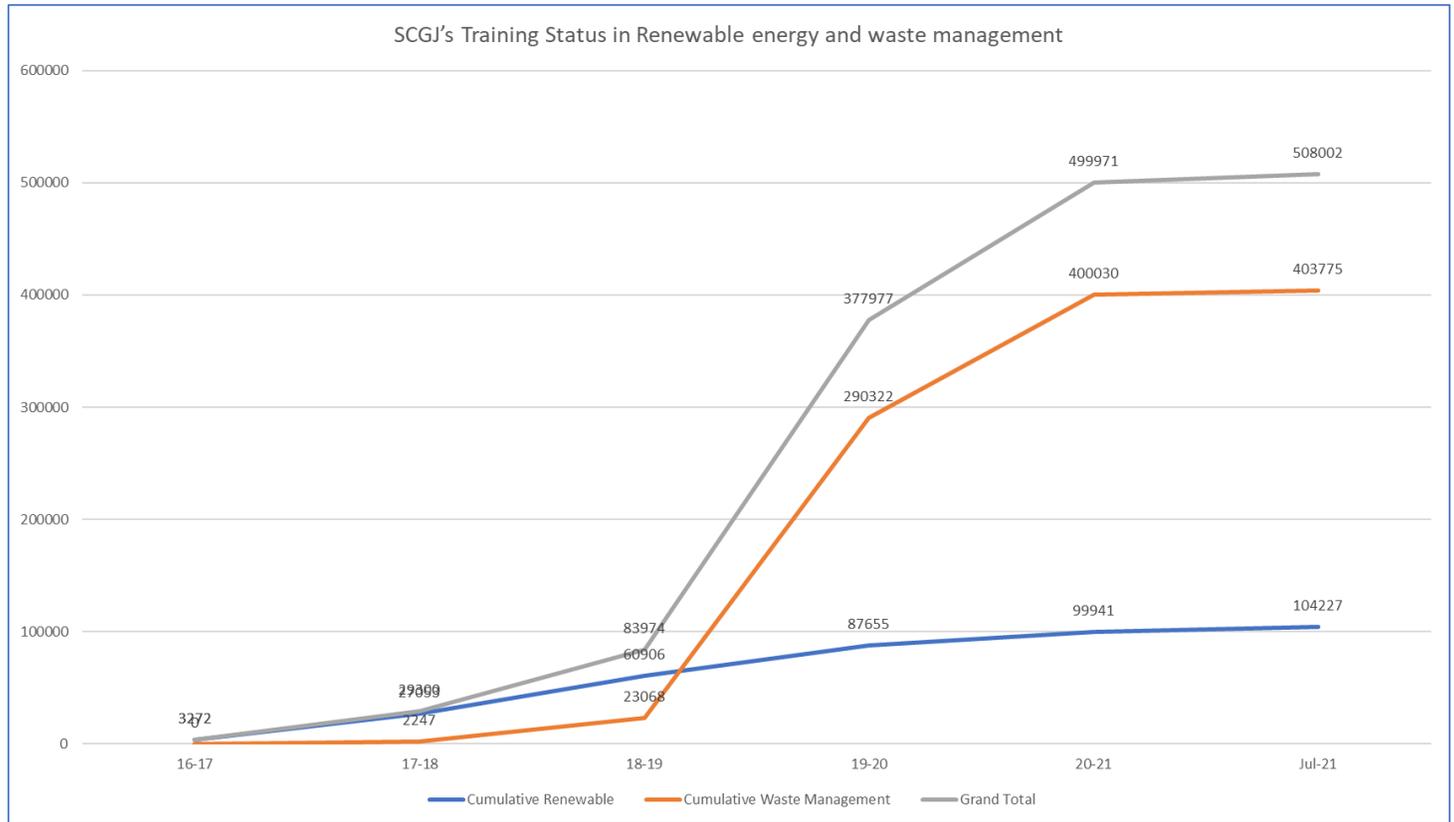
So far, SCGJ has imparted training to about 5 lakh candidates. Details of QP wise trainings are as follows: The QP wise trainings since inception:

Sr No	Job Role	Total Candidates Trained
1	Improved Cookstove Installer	293
2	Manager- Waste Management	17
3	Rooftop Solar Grid Engineer	1,179
4	Rooftop Solar Photovoltaic Entrepreneur	1,198
5	Safai Karamchari	3,96,145
6	Solar Domestic Water Heater Technician	65
7	Solar electric System Installer & Service Provider-RNE701	827
8	Solar Lighting Technician 24.08 V1	1,388
9	Solar Off Grid Entrepreneur	40
10	Solar Proposal Evaluation Specialist	345
11	Solar PV Business Development Executive	40
12	Solar PV Engineer	40
13	Solar Pv Installer – Civil	1,268
14	Solar Pv Installer – Electrical	14,054
15	Solar Pv Installer (Suryamitra)	78,617
16	Solar PV Maintenance Technician - Electrical (Ground Mount)	110
17	Solar PV Maintenance Technician - Electrical (Ground Mount)-SGJ/Q0115	64
18	Solar PV O&M Engineer	70
19	Solar PV Project Helper SGJ/Q0111	50
20	Solar PV Project Helper-SGJ/Q0111	256
21	Solar PV System Installation Engineer	27
22	Solar PV Technician-RNE805	70
23	Waste Picker	2,933
24	Wastewater Treatment Plant Helper	125
25	Wastewater Treatment Plant Technician	793
26	Manager-Waste Management	17
Grand Total		5,00,031

6.0 Assessment & Assurance Group

2020 - 2021

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



6.0 Assessment & Assurance Group

2020 - 2021

Affiliation of Assessment Agencies

NSDC had issued guidelines for Affiliation of Assessment Agencies. Three RFPs, one in February 2019 , September 2019 and April 2021 were floated by SCGJ for affiliation of Assessment Agencies, and the response was evaluated as per the evaluation criteria issued by NSDC. Presentation was made by each respondent and finally following Assessment Agencies have been empanelled by SCGJ.

RFP Feb.2019		RFP Sept. 2019	
S. No.	Name of Qualified AAs	S. No.	Name of Qualified AAs
1	ACE Assessments Pvt. Ltd.	1	Confederation of Indian Industry (CII)
2	IRIS Corporate Solutions Pvt. Ltd.	2	TAG Assessors Guild Pvt. Ltd.
3	Diversified Business Solutions Pvt. Ltd.	3	MIRAMS Training Services (India) Pvt.
4	Trendsetters Skill Assessors Pvt. Ltd.	4	Demorgia Consulting Services Pvt. Ltd.
5	Palmary Project & Services Pvt. Ltd.	5	India Skills Pvt. Ltd.
6	Virtual SaaS Pvt. Ltd.	6	Skill Mantra Edu-tech Consulting India
7	Khwaspuria Advisory Private Limited	7	Punia (Premia) Consultancy LLP
8	Udichi	8	Ginger Web Pvt. Ltd.
9	Indore Skill Assessment Services Pvt. Ltd.	9	Yuva Skill Foundation
10	Bhavishya Uday Shiksha Evam Baal Chetna Samiti	10	Nitya Skills Development Organisation Samiti
11	Onecrew Services Private Limited	11	Cee Vision Technologies Pvt. Ltd.
12	Eduvantage Private Limited	12	Ajooni Skills India Pvt. Ltd.
13	Vedokt Skill & Consulting Pvt. Ltd.	13	Agam Skills Pvt. Ltd.

RFP Apr. 2021	
S. No.	Name of Qualified AAs
1	Rajiv Gandhi Education Foundation
2	I-Assess Consultants LLP
3	Glocal Thinkers Pvt. Ltd.
4	BRISK MIND Pvt. Ltd.
5	MS Certification Services Pvt. Ltd.

6.0 Assessment & Assurance Group

2020 - 2021

SCGJ E-Learning Management System (SEMS)

Skill council for Green Jobs has launched a “SCGJ E-Learning Management System” (SEMS), which is an aggregation platform of various e-learning activities in the Green Business sector promoted by SCGJ. Launched on 15th August 2020, SEMS shall assist the TP’s to facilitate online skill activities in the area of Renewable Energy & Waste Management by aggregating all the Training Partners on a single digital platform and then making learning activities accessible to all candidates across India. More than 50 Training Partners have been registered on SEMS with over 20 Training modules already live.

Objectives of SEMS

- To support training partners to conduct conventional and new e-learning initiatives.
- Re-gain momentum of skill development activities and adapt to new normal.
- Encourage partners to share their knowledge through webinar series.
- Empower students with diverse e-learning options in the area of Renewable Energy and Waste Management.

Highlights of SEMS

- Dedicated portal to put information about their e-trainings supported by SCGJ
- Option for candidates to register in their e-learning activities from SEMS portal
- Feature for TPs to create online MCQ test for each e-learning activity
- Option for candidates to attempt assessment test and view their result
- Instant certification generation for candidates who clear assessment
- Interface to interact with SCGJ for all TOT programs conducted online

On 15th August 2020 SCGJ Launched
SCGJ e-Learning Management System (www.sems.training)



6.0 Assessment & Assurance Group

2020 - 2021

Training Partners registered on SEMS

Sr. No.	Name Of TP	State
1	Modus Globalray Services LLP	Rajasthan
2	Gujarat Institute Of Solar Energy (Run By GIM Education Foundation)	Gujarat
3	ACME ENTERPRISES	Rajasthan
4	Non-Conventional Energy And Rural Development Society	Tamil Nadu
5	SKILLS ROOT EDU TECH CONSULTING INDIA PVT LTD	Madhya Pradesh
6	SLMDS SKILL DEVELOPMENT PVT. LTD.	Rajasthan
7	Marcus Projects Pvt Ltd	UP
8	NIRT RENEWABLE ENERGY PRIVATE LIMITED	Tamilnadu
9	DELHI INSTITUTE OF SOLAR ENERGY & TECHNOLOGY	DELHI
10	Tamilnadu Advanced Technical Training Institute (TATTI)	Tamilnadu
11	Ever Green Energy Technologies Private Limited	Kerala
12	All India Agrasen Technical Education And Research Foundation	Rajasthan
13	Kwatt Solutions Private Limited	Maharashtra
14	Gati Academy	Telangana
15	Saltlake Institute Of Engineering & Management Ltd	West Bengal
16	SAMPOORNA SAMITI	Madhya Pradesh
17	Softtek Institute Of Information Technology(SIIT)	Jammu And Kashmir
18	Kam Avida Enviro Engineers Pvt. Ltd.	Maharashtra
19	Saitech Energy Space Systems Pvt.Ltd	Madhya Pradesh
20	Samaj Seva Ek Sankalp Samiti	Chhattisgarh
21	Panacea Education	Gujarat
22	ASPIRE DISRUPTIVE SKILL FOUNDATION	Gujarat
23	Sparsh Eductional And Health Care Society	Odisha
24	Innodust Techsolution Private Limited	Odisha
25	Arbutus Consultants Pvt Ltd	Maharashtra
26	YOUTH RURAL DEVELOPMENT	Odisha
27	Arravalee Sansthan	Rajasthan
28	Society For Education & Environmental Training (SEET)	Haryana
29	Beltron Telecom Green Energy Systems Ltd	Bihar
30	Hooghly Engineering & Technology College Society Skill Development Centre	West Bengal
31	Dr. Mrs. Francis Memorial Community Care Foundation	Tamil Nadu
32	Mahindra Susten Pvt.Ltd.	Maharashtra

6.0 Assessment & Assurance Group

2020 - 2021

Sr. No.	Name Of TP	State
33	Gujarat Energy Research And Management Institute	Gujarat
34	Technology Informatics Design Endeavour(TIDE)	Karnataka
35	Institute Of Renewable Energy Technology And Management	Chhattisgarh
36	Renewable Energy Centre- Mithradham	Kerala
37	Society For Education & Environmental Training (SEET)	Haryana
38	Creative Brains Educational And Welfare Society	Madhya Pradesh
39	Rohit Mishra	Madhya Pradesh
40	Jain Welfare Trust	Rajasthan
41	MANJUMA SUNNY CONSULTANCY & TRAINING PRIVATE LIMITED	DELHI
42	ARUNIKA GREEN ENERGY PRIVATE LIMITED	Tamil Nadu
43	SANT MAHAVIR JAIN TRUST	Haryana
44	Unique Call Solutions Pvt Ltd	Madhya Pradesh
45	Honeybees Skill And Social Explore Foundation	Tamil Nadu
46	GSES India Sustainable Energy Pvt. Ltd	New Delhi
47	Solar Promotion Society	Uttar Pradesh
48	Visvesvaraya Foundation	Rajasthan
49	Centurion University Of Technology & Management	Odisha
50	FLORANCE INSTITUTE OF SOLAR TECHNOLOGY [FIST]	Tamil Nadu
51	Rishan Infoskills Pvt. Ltd.	Haryana
52	Institute Of Solar Power Technologies & Vocational Training	Hyderabad
53	MITCON Consultancy & Engineering Services Ltd	Maharashtra
54	PRAGYA SOLAR	Uttar Pradesh
55	SR CORPORATE CONSULTANT PRIVATE LIMITED	Chhattisgarh
56	CLR Skills Training Foundation	Maharashtra
57	EPITOME EDU SERVICES	Gujarat
58	Skill Council For Green Jobs	Delhi
59	Environment Conservation Society (Switchon Foundation)	West Bengal
60	SMAART TECH	Maharashtra
61	Anthropower Training Pvt. Ltd	Delhi

6.0 Assessment & Assurance Group

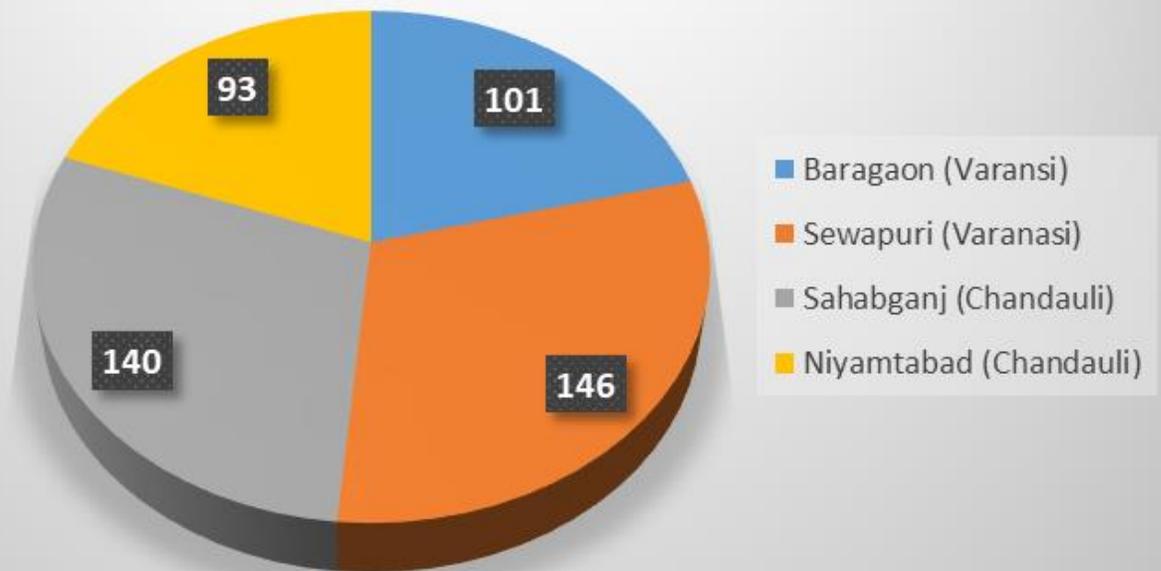
2020 - 2021

Safai Karmachari Training under Sankalp Project

Skill Acquisition and Knowledge Awareness for Livelihood Promotion (SANKALP) is one of the biggest initiatives of "Skill India Mission" to enhance institutional mechanism for skill development and increase access to quality and market-relevant training for the workforce. It is aimed at institutional reforms and improving quality & market relevance of skill development training programs in long and short term Vocational Education and Training (VET). It is also aimed at channelizing energy of youth in proper education, skill and jobs. It is providing market relevant training to youths and enhance their employability potential to maximum extent possible.

The Ministry of Skill Development and Entrepreneurship selected Two Blocks from each district of Varanasi and Chandauli to provide training in deferent sectors. The aim was to skill certify all workers of Panchayats in the trades they are working The Ministry of Panchayati Raj and its concern departments of State and District level are involved to provide the list of Candidates. SCGJ provided skill training to Safaikaramcharis. Under the project a total 480 candidates were given training district of Varanasi and Chandauli. In Varanasi district 247 candidates in 08 Batches and in Chandauli district 233 candidates were trained in 07 batches respectively. The certificates were given by the Minister of Skill Development and Entrepreneurship, Hon'ble Shri Mahendra Nath Pandey on 21st Dec.2020.

Training for Safai Karamchari under Sankalp Project



6.0 Assessment & Assurance Group

2020 - 2021

Safaimitra Suraksha Challenge

More than 70% of Indian household are connected to a septic tank for the collection of waste water. Government of India has now made it mandatory for every household to de-sludge their septic tank at least once in every three years. Further the CPCB has issued guidelines banning the discharge of waste water into open nalas and water bodies. The collected waste water has to be discharged into the sewerage treatment plant of the ULB. India has a dubious record of a death of a sanitation worker once in every five days & majority of these deaths have occurred during the cleaning of septic tank, which is why the MS ACT 2013 has included septic tank cleaning in its ambit and termed it as hazardous cleaning & has made mechanized cleaning a mandatory process with proper use of PPE's. Well designed septic tank cleaning machine must be capable of suction of the waste water from within the tank blowing back of the waste water into the tank for agitating the sludge deposited at the bottom & creating a homogeneous slurry, back into the tank. Lastly to be fully self-contained so as to ensure no leakage or spillage during transportation & discharge of the waste water into the STP. All the above needs to be done without any human contact with the waste water and by wearing the prescribed PPE's namely hard hat / goggles / mask / reflecting jacket / gloves & gumboots.

In this regards SCGJ has conducted the trainings of Desludging operators in the following States:

Sr. No	State Wise	Number of Candidates Trained
1	Chhattisgarh	600
2	Haryana	346
3	Maharashtra	301
4	Tamil Nadu	607
5	Uttar Pradesh	465
6	Punjab	317
7	Jharkhand	90
8	Bihar	100
9	Andhra Pradesh	199
10	Madhya Pradesh	150
Grand Total		3175



6.0 Assessment & Assurance Group

2020 - 2021



6.0 Assessment & Assurance Group

2020 - 2021

Renewable Energy introduced in World Skills 2021

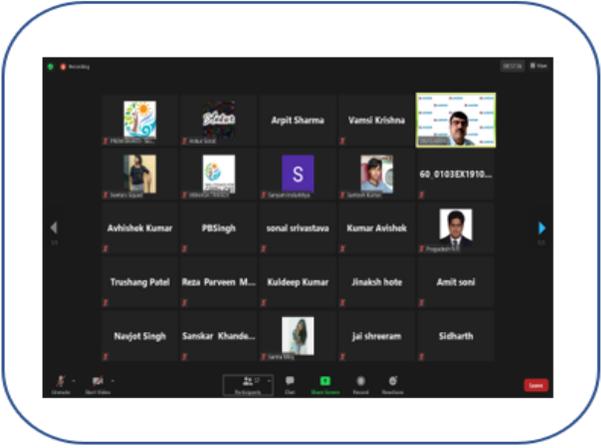
World Skills International is the largest skill competition in the world, organized once every two years in one of the member countries. More than 1300 contestants below the age of 23, compete for gold, silver and bronze medals, in over 50 skills. The competition is held over a span of four days. Being 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, WorldSkills vision is to improve the world through the power of skills. It has 75 Member countries and regions, working with youth, educators, governments, and industries to help prepare the workforce and talent for the jobs of the future.

World Skills International has announced Renewable Energy as a new skill to be introduced in World Skills 2021 and Skill Council for Green Jobs (SCGJ) has been given the responsibility of :

- Identification of institutes/organizations (having requisite infrastructure).
- Facilitate internal screening in identified institutes/organizations.
- Nominate expert to represent India at World Skills 2021
- Preparation of two-level Test Projects.
- Infrastructure set up for conduct of local level competitions.
- Facilitate in Identification of Jury & assessors for pre-national/national competitions.
- Facilitate training boot camps before national competition & post national competition.
- Facilitate internal screening of candidates at identified institutes /organizations.
- Facilitate in Organizing pre-nationals/national competition.
- Arrange for training post nationals.
- Facilitate in selection of final team for participation at World Skills 2021.

In order to prepare the candidates for the World Skills & India Skills, SCGJ has organized weekly Industry Led preparation Sessions

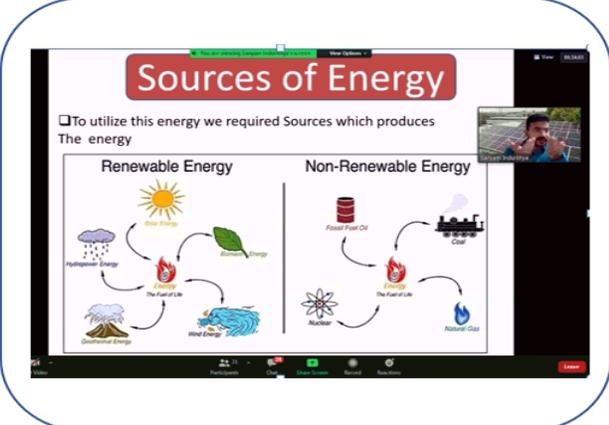
Event Name	World Skills – Shanghai 2022
Session Date	25/06/2021
Speaker	Mr Vikas Arya
Topic	Solar Energy
Number of Participants	40
Short Description about the session	Power Generation capacity in the country. Potential of Solar PV generation state wise. Working Principle of Solar PV System. Types of Solar System. Major Component of Solar System. Insight of Solar module fabrication. Current and future technology in solar PV Module



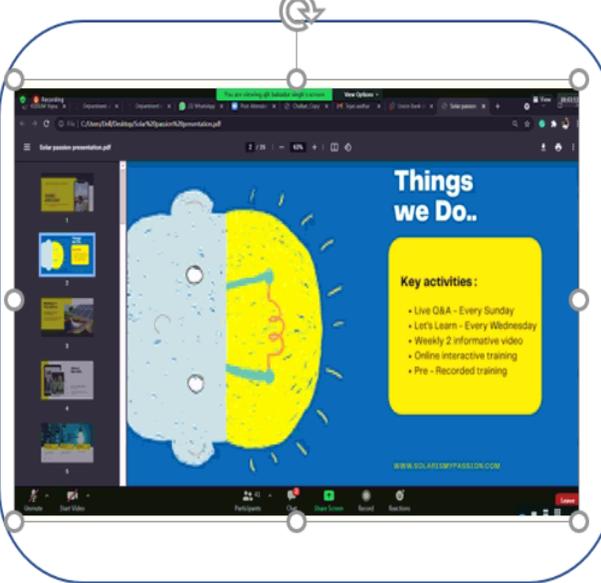
Screenshot of the session

6.0 Assessment & Assurance Group

2020 - 2021

Event Name	World Skills – Shanghai 2022	
Session Date	02/07/2021	
Speaker	Mr. Sanyam Indurkha	
Topic	Solar PV Technology	
Number of Participants	40	
Short Description about the session	Types of energies, types of Renewable and Non Renewable energies. Introduction of solar energy. Solar Radiation scenario in India. Types of Solar Power Plant. Energy Auditing of a House. About energy and power, Net Metering Systems, 3kWp on Grid Solar Power Plant Working and online Demonstration. Job and Business Opportunity in Solar Industry	

Screenshot of the session

Event Name	World Skills – Shanghai 2022	
Session Date	09/07/2021	
Speaker	Mr. Ajit Bahadur	
Topic	Role of policy in the solar industry	
Number of Participants	30	
Short Description about the session	Different policies to promote solar energy by State and Central Government. Grid connect solar rooftop policy. KUSUM policy, Comp A-B-C, Role of SNA / DISCOM	

Screenshot of the session

6.0 Assessment & Assurance Group

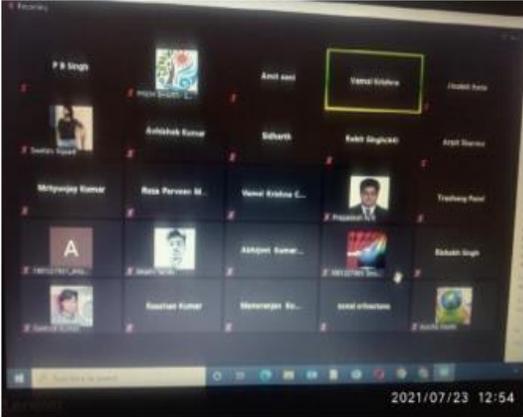
2020 - 2021

Event Name	World Skills – Shanghai 2022
Session Date	16/07/2021
Speaker	<u>Dr. Rimika Kapoor</u>
Topic	Biogas – an Excellent Opportunity for Climate Change Mitigation & Promotion of Organic Agriculture in India
Number of Participants	40
Short Description about the session	Waste collection and its management to generate the energy. Types of Wastes and its composition. Recommended Approaches to Waste Processing & Disposal. Resource (Waste) Availability & Potential for Bio methanation in India. Potential of Biogas. Composition of Biogas and its production and utilization. Process of biogas production from different waste. Types of Biogas plant. Upgraded & Bottled Biogas as a Replacement of Existing Petroleum Fuels for Vehicular Applications in India. Utilisable Forms of Biogas Digested Slurry.



Screenshot of the session

Event Name	World Skills – Shanghai 2022
Session Date	23/07/2021
Speaker	<u>Mr. Vamsi Krishna Chirammana</u>
Topic	Opportunities & Entrepreneurship in Solar Energy
Number of Participants	32
Short Description about the session	<u>Covering Scope</u> of Solar Energy sector, Opportunities available in the Solar Sector and Entrepreneurship initiatives. Giving Live examples and what are the skills, sets required to start a career in this sector



Screenshot of the session

6.0 Assessment & Assurance Group

2020 - 2021

Event Name	World Skills – Shanghai 2022
Session Date	30/07/2021
Speaker	Dr. Japen Gor
Topic	Geometric relation and Policies.
Number of Participants	35
Short Description about the session	Geometric relation between earth and sun. Types of Solar Radiations. Different types of <u>wavelengths, radiation and importance of visible waves.</u> AM1.5 and its understanding Detailed understanding of Peak Sun Hour, Standard Testing Conditions, Weather Station, sensors. Insolation Map Solar System - Day and Night, Seasons, Sun Path, Importance of Winter Solstice, Shadow Understanding Latitude and Seasonal Optimisation of Tilt Angle.

A screenshot of a presentation slide titled "Latitudes & Tilt Angle". The slide features a central diagram of Earth with its axis tilted, surrounded by four smaller Earth diagrams illustrating the seasons: Summer, Autumn, Winter, and Spring. The text "Seasons" is written in a stylized font above the diagrams. Below the diagrams, it says "Karditsian Planetarium". The slide is displayed on a screen with a date and time stamp "2021/07/30 12:58" in the bottom right corner.

Screenshot of the session

6.0 Assessment & Assurance Group

2020 - 2021

Session Date	06/08/2021
Speaker	Dr. Manoj Verma
Topic	Wind Energy Potential & Future Status
Number of Participants	30
Short Description about the session	<p>Wind power is one of the most established and critically stabilizing renewable energy sources for the overall portfolio. Global wind energy installations reached 743 GW in 2020 and are expected to reach 1212 GW in 2025. By 2025, Wind Energy will have powered over 700 million homes and decreased CO2 emissions by 3 billion tonnes. India's wind energy potential is around 300GW onshore and 195GW offshore. Wind Energy also offers the benefit of an established supply chain, boosting domestic markets and providing full-time direct local jobs totaling over 1.2 million now, with a projected 3.3 million by 2025. Add to that the millions of indirect employment, micro-economies, and energy security it provides nations. Wind energy is still highly competitive and efficient, with plant load factors of over 40%. Wind energy is one of the most dependable renewable energy sources and can satisfy peak demand. By combining the benefits of wind and solar energy, we can take the next significant step in realizing India's renewable energy potential. These initiatives will improve efficiency and generation while ensuring power stability and sustainability.</p>

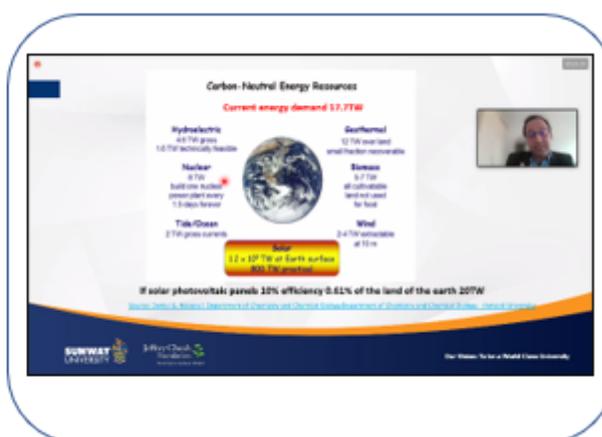


Screenshot of the session

6.0 Assessment & Assurance Group

2020 - 2021

Event Name	World Skills – Shanghai 2022
Session Date	13/08/2021
Speaker	Dr. Adarsh Kumar Pandey
Topic	Innovations in Solar Energy and its Role in Sustainable Development Goals
Number of Participants	35
Short Description about the session	<p>The session was on "Innovations in Solar Energy and its Role in Sustainable Development Goals". The session started with covering basic environmental problems then moved to top 10 problems to be faced by humanity by 2050. Then, how solar PV can solve the problem was explained. After that, the concept of sustainability and sustainable development goals and its role in solar PV was explained. Then, innovations in Solar energy focussed on PV were explained in detail. At the end my experimental work on hybrid PV systems and self-cleaning glass for PV was explained to students. Overall session covered the innovations in solar energy and its role in SDGs.</p>



Screenshot of the session



Marketing & Partnerships Group

2020 - 2021



7.0 Marketing & Partnerships Group

2020 - 2021

Marketing and Partnerships is the Industry, bilateral and multilateral interface wing of Skill Council for Green Jobs. The major responsibilities and achievements during 2020-21 of Marketing & Partnerships Group are as follows:

MARKETING & PARTNERSHIPS

01

Improving Industry linkages
in all the sub-sectors

02

Improving visibility of Skill
Council for Green Jobs

03

Organization of AGM and
Governing Council Meetings

04

All matters relating to
Membership of SCGJ,
including growth

05

MoUs with Industry and other
Skill Development bodies

06

Partner with Countries +
Bi & Multi lateral organizations

07

Organizing & Participating in
Conferences and Exhibitions

08

Centers of Excellence

09

RPL Type 4 "BiCE" Certification
Program under PMKVY.

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
- Implementation of RPL Type 4- Best in Class Employer "BiCE" Certification Program under PMKVY

7.0 Marketing & Partnerships Group

2020 - 2021

Major Achievements during 2020-21

- SCGJ was assigned a total target of 3,08,209 numbers under RPL Type 4- Best in Class Employer “BiCE” Certification Program under PMKVY. The bifurcation of these targets in the off-line and the on-line mode was 2,63,209 & 45,000 respectively. We did an enrollment of 97.33% of the total target and an assessment of 93.59%.
- Information collected about all MSME’s in the country and for all Green business sectors. Industry Database developed for all sub-sectors.
- Participation in over 38 skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas; majority of which were done online.
- SCGJ website is being made more dynamic.
- Organized 2 Governing Council meetings and 1 AGM in the given period.
- Interacted with industry and made 51 industries as Members / SCGJ Associates.
- Centers of Excellence has grown to 7 [GERMI, Seacom, Trident College of Engineering, ANERT, NISE, NIWE+Vestas and CVC]. Talks are on with and MPSOSEB & EDII.
- SCGJ has signed in total MoUs with 54 institutions / industry organizations.
- Campaigns like “SkillseSmile”, Celebration of World Environment Day “Ye Dharti hamari hai” & National New Education Policy was run with effervescent energy.
- SCGJ received 14,453 views in social media with 8961 followers.
- With Madhya Pradesh State Open School Education Board (MPSOSEB) under the MOU signed with them SCGJ is in the process to install a paper recycling machine in Bhopal to make recycled paper out of old files which have now been digitalized. Our process to train candidates on paper bag making will be the next step.
- “Involve the Guru” Skilling Entrepreneurship - is combining efforts 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).

7.0 Marketing & Partnerships Group

2020 - 2021

Activities during 2020-21

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.

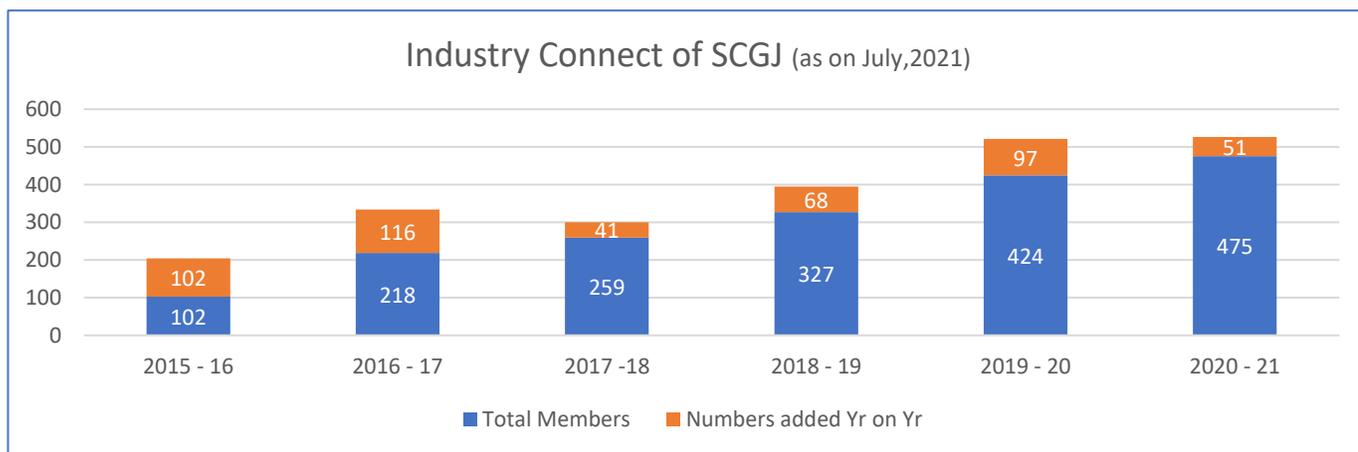
a) Marketing and Business Development Activities

- Logo of SCGJ has more visibility now
- Preparation & printing of Publicity material – Brochures, Standees and Banners
- A new set of publicity and material for out reach have been developed
- SCGJ website is being made more vibrant, interactive & dynamic
- An Audio Video film on Safai Karamchari was developed
- On-line meetings are being conducted
- SCGJ Newsletters published are 15 in number.(4 issues during a year)
- SCGJ participation in FICCI Annual Expo 2020 (FAE 2020 virtual event)
- SCGJ supported the Webinar on Progressive and Futuristic Skill Development: Need of the hour by ASSOCHAM
- MOU signed with Madhya Pradesh State Open School Education Board (MPSOSEB)

b) Membership of SCGJ

Marketing and Partnership Group during this covid hit period tried to broaden the industry base of SCGJ and develop industry associates. Over 431 industry, mainly MSMEs were contacted and informed about the activities of SCGJ. The group was able to convince 51 new industries to become a part of SCGJ.

Industry Connect of SCGJ						
Heads	2015 - 16	2016 - 17	2017 -18	2018 - 19	2019 - 20	2020 - 21
Governing Council	6	10	11	12	13	15
Advisory Board	4	5	5	5	15	15
Members	5	17	21	25	26	43
Industry Associates	49	94	101	117	153	185
Validating Members	38	92	121	168	217	217
Total Members	102	218	259	327	424	475
Numbers added during the year	102	116	41	68	97	51



7.0 Marketing & Partnerships Group

2020 - 2021

Industry Linkages:



7.0 Marketing & Partnerships Group

2020 - 2021

Industry Linkages:



7.0 Marketing & Partnerships Group

2020 - 2021

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 54 industry / organizations with a view to cooperate in its activities and also help in achieving placement of SCGJ certified candidates.

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

7.0 Marketing & Partnerships Group

2020 - 2021

MoUs / Agreements signed with:



7.0 Marketing & Partnerships Group

2020 - 2021

Centers of Excellence

There are seven Centres of Excellence as on date:

1. Gujrat Energy Research & Management Institute (GERMI), at Gandhinagar, Gujarat
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, Kerala
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

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.

7.0 Marketing & Partnerships Group

2020 - 2021

Skill Se Smile Campaign

SkillSeSmile” campaign, was created as a calendar for SSCs to post and activate their social media by including #SkillSeSmile. Further as ambassadors of Skill India, the SSC’s were requested to participate in the campaign as well by doing following activities:

- Sharing the photographs along with skill sets learnt during lockdown on social media and nominating others for taking the challenge
- Creating a video and nominating others for #SkillSeSmile Challenge
- Promoting content from their own handles on social media
- Ensuring the information is shared with partners and corporates
- Ensuring all the employees of SSC to share their photo along with skill learnt during the lockdown
- This was followed very effervescently on the social media



7.0 Marketing & Partnerships Group

2020 - 2021

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

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

7.0 Marketing & Partnerships Group

2020 - 2021

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.



7.0 Marketing & Partnerships Group

2020 - 2021

SCGJ News Letters.

Green Jobs News
January, 2018

Towards Affordable Disposal Alternatives of biomass: Need for strategic approach

The Kyoto Protocol, which has entered into force in December 2005, remains an essential vehicle for decarbonising the world's energy system. The latest UN Environment Programme Global Waste Report shows that current strategies will only deliver a partial solution to the problem of waste management. The report also highlights the need for a strategic approach to waste management, particularly in the context of climate change. The report is available at www.unep.org/globalwaste.

1st Issue (Jan 2018)

Green Jobs News
April, 2018

Environment, Ecology & Economics – Sustainable Forestry & Green Jobs

The Green Jobs Council has been set up to coordinate the efforts of various stakeholders in the field of green jobs. The Council will focus on promoting sustainable forestry and green jobs, and will also work on developing a national strategy for green jobs. The Council will be chaired by the Minister of Environment, Ecology and Climate Change, and will include representatives from various stakeholders, including industry, academia, and civil society.

2nd Issue (Apr 2018)

Green Jobs News
July, 2018

Oilsha Skill Conclave - 6th and 7th May 2018

The Oilsha Skill Conclave was held on 6th and 7th May 2018 at the Oilsha Skill Centre, Oilsha, Odisha. The conclave was organized by the Oilsha Skill Centre and was attended by representatives from various stakeholders, including industry, academia, and civil society. The conclave focused on the theme of 'Skill Development for Green Jobs' and discussed various initiatives and projects in the field of green jobs.

3rd Issue (Jul 2018)

Green Jobs News
October, 2018

Solar Skill Competition at Renewable Energy India Expo, Greater Noida

The Solar Skill Competition was held at the Renewable Energy India Expo, Greater Noida, on 10th October 2018. The competition was organized by the SCGJ and was attended by representatives from various stakeholders, including industry, academia, and civil society. The competition focused on the theme of 'Solar Skill Development' and tested the skills of participants in various areas related to solar energy.

4th Issue (Oct 2018)

Green Jobs News
January, 2019

SCGJ Awards 2018: Inter Solar in Bangalore held on 13th December 2018

The SCGJ Awards 2018 were held in Bangalore on 13th December 2018. The awards were presented to various stakeholders who have made significant contributions to the field of green jobs. The awards were presented by the SCGJ and were attended by representatives from various stakeholders, including industry, academia, and civil society.

5th Issue (Jan 2019)

GREEN JOBS NEWS
April, 2019

8th Meeting of the Governing Council of Skill Council for Green Jobs

The 8th Meeting of the Governing Council of Skill Council for Green Jobs was held on 13th April 2019. The meeting was attended by representatives from various stakeholders, including industry, academia, and civil society. The meeting focused on the theme of 'Sustainable Energy, Circular Economy & Resource Efficiency' and discussed various initiatives and projects in the field of green jobs.

6th Issue (Apr 2019)

GREEN JOBS NEWS
July, 2019

Incentive green businesses based on economic cost of pollution

The SCGJ is working on developing a framework for incentivizing green businesses based on the economic cost of pollution. This framework will take into account the environmental benefits of green businesses and the economic costs of pollution. The framework will be used to identify and incentivize green businesses that are contributing to a sustainable and low-carbon economy.

7th Issue (Jul 2019)

GREEN JOBS NEWS
October, 2019

4 years of SCGJ- Progress Report

The SCGJ has celebrated its 4th anniversary and has achieved significant milestones in its journey. The progress report highlights the SCGJ's efforts in promoting green jobs, developing a national strategy for green jobs, and organizing various initiatives and projects. The report also discusses the challenges faced by the SCGJ and the way forward.

8th Issue (Oct 2019)

GREEN JOBS NEWS
January, 2020

World Skills Kazan 2019 – Gold Medal in Water Technology

The SCGJ team has won a Gold Medal in Water Technology at the World Skills Kazan 2019 competition. This is a significant achievement for the SCGJ and its participants. The team was represented by the SCGJ and was trained by the SCGJ. The team's success is a testament to the SCGJ's efforts in promoting green jobs and skill development.

9th Issue (Jan 2020)

7.0 Marketing & Partnerships Group

2020 - 2021

SCGJ News Letters.



10th Issue (Apr 2020)



11th Issue (Jul 2020)



12th Issue (Oct 2020)



13th Issue (Jan 2021)

SCGJ News Letters for the Current year (2021-22)



14th Issue (Apr 2021)



15th Issue (Jul 2021)

7.0 Marketing & Partnerships Group

2020 - 2021

“Involve the Guru” Skilling Entrepreneurship

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 kadar hai”. As also to spread the message in these 53 districts of Madhya Pradesh by marketing aids to the general public.

This will imbibe the will to get certified in their domain either in existing skill or aspire for other skills. SCGJ will spread the information on the various Job Roles courses available for students from 6th class onwards. The exposure to these courses will help children to finally decide by class 9th to then choose a course for skilling themselves. 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.



7.0 Marketing & Partnerships Group

2020 - 2021

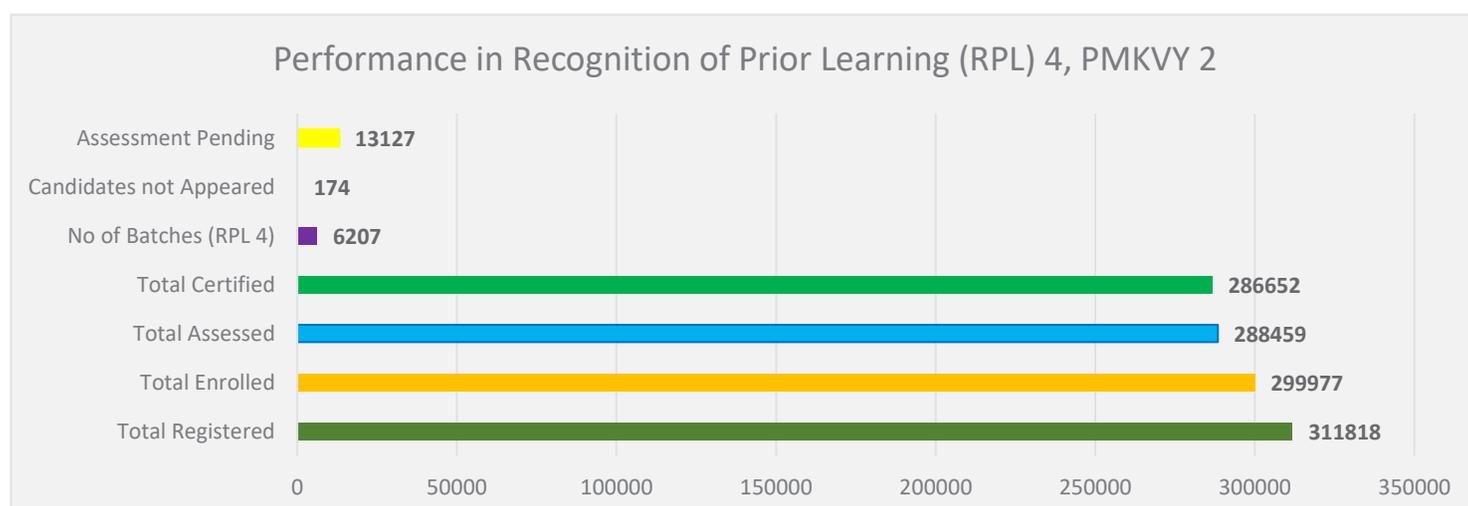
Best in Class Employer (BiCE):

The foray of SCGJ's journey in RPL 4 "Best in Class Employer" (BiCE) under the PMKVY scheme commenced as NSDC's executive committee approved the targets for SCGJ. The 'term sheet' for it was signed on 26.04.2018. SCGJ was initially assigned the target of 72,514 numbers. On successful completion of this target, the second target was assigned and approved by NSDC of 1,62,231 numbers. This 2nd phase which commenced from 04.07.2019 brought about our total target to 2,34,745. We went ahead to further increase our target by 73,464 numbers which were further allotted in the 3rd Phase commencing 05.11.2019 and bringing the grand total of our target to 3,08,209 Nos. The bifurcation of these targets in the off-line and the on-line mode was 2,63,209 & 45,000 respectively. We have completed the enrollment of 2,99,977 numbers, assessed 2,88,459 candidates. Due to lockdown for Covid 19, result upload is pending for 13,127 Safai Karamcharis which will be completed subject to assessment (online assessment readiness is there) in the current circumstances. During the process of assessments, we have covered 15 States and as many as 399 locations. The Safai Karamchari candidates and their family were instilled with a feeling of 'dignity of labor'.

SCGJ achieved an enrollment 97.33% and Assessed 93.59 % of the target.

RPL 4 "BiCE" Qualification Packs	
Solar PV Installer (Suryamitra)	
Solar PV Installer – Electrical	
Solar PV Installer – Civil	
Safai Karmachari - Wet Cleaning and Mechanized Cleaning	

Target Assigned: Phase -wise RPL4 Off-line & On-line Numbers				
Sr. No.	Phase	Total Tgt Numbers	Off - line	On - line
1	Phase I	72514	72514	0
2	Phase II	162231	117231	45000
3	Phase III	73464	73464	0
Grand Total		308209	263209	45000
Completed Certification		286652	242733	43919



7.0 Marketing & Partnerships Group

2020 - 2021

RPL4 - Best in Class Employer (BiCE)



Orientation & Assessments being conducted at Jhunjhunu & Kota, Rajasthan for RPL Type 4 Safai Karamchari



Certificate Distribution at Bijni Municipal Corporation, Assam for RPL Type 4 Safai Karamchari



Certificate Distribution at Srinagar Municipal Corporation, Jammu & Kashmir for RPL Type 4 Safai Karamchari

7.0 Marketing & Partnerships Group

2020 - 2021

FICCI Annual Expo 2020 (FAE 2020)

SCGJ has also participated in the FICCI Annual Expo 2020 (FAE 2020), a one-of-its-kind virtual event in the country focused on manufacturing and services sectors.

Started on 11th December 2020 and extending for a period of one year, this unique event operates with the objective of elevating Indian business sector while envisioning new prospects and accelerating businesses. It's salient features include the following:

- Virtual stalls with branding
- Virtual hand shakes and chat
- B2B Meetings with participants and visitors
- The state-of-art auditorium is fully equipped to host large-format webinars and conferences

SCGJ's Industry members and TP's are welcome to share our space for a limited period of time to showcase their products and services in the Renewables Lobby and Skill development Lobby respectively.



7.0 Marketing & Partnerships Group

2020 - 2021

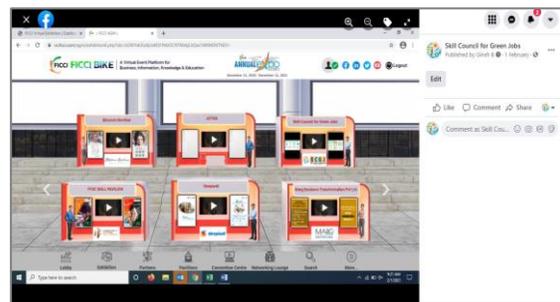
Social Media



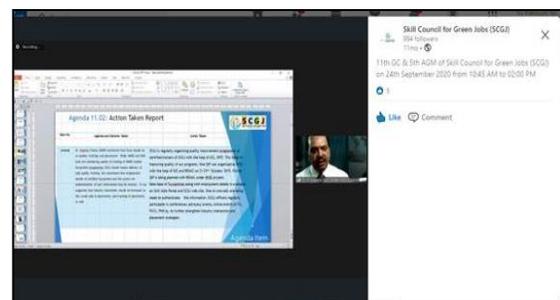
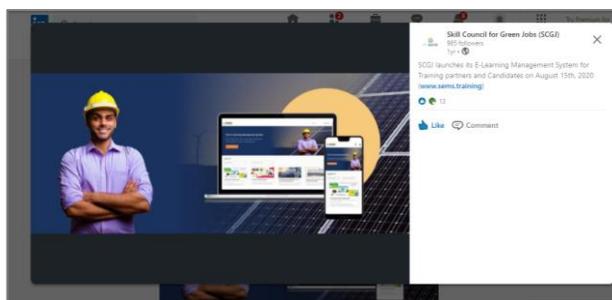
SCGJ had a Page views of 1,772 FY 2020-2021 and 1887 followers till date



SCGJ had a Page Views of 11,015 FY 2020-2021 and 6080 followers till date



SCGJ had a Page Views of 1666 FY 2020-2021 and 994 followers till date



Social Media Highlights FY 2020 - 2021

Platform	Page Views	Followers till date
Facebook	11015	6080
Twitter	1772	1887
LinkedIn	1666	994
Total	14453	8961



Qualification Packs developed by Skill Council for Green Jobs

2020 - 2021



8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

1. Solar PV Installer (Suryamitra) SGJ/Q0101

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	300	<p>After the training, the candidate would suitable to work as Solar PV Installer. S/He has the competence for mechanical, civil and electrical installation of rooftop Solar PV Power Plants as well as maintaining them properly ensuring proper customer support.</p> <p>S/He will be trained on Solar PV and will be able to do:</p> <ul style="list-style-type: none"> • Site Survey for installation of Solar PV System • Assess the customer's Solar PV requirement • Procure Solar PV system components • Install Civil and Mechanical parts of Solar PV System • Install Electrical components of Solar PV System • Test and Commission Solar PV System • Maintain Solar Photovoltaic System • Maintain Personal Health & Safety at project site • Customer orientation for Solar PV System <p>S/He 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.</p>
Trainee Qualification	10th pass + ITI/ Diploma (Electrical, Electronics, Civil, Mechanical, Fitter, Instrumentation, Welder)	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI/Diploma + 3 years of experience or B.Tech + 2 years of experience	

2. Solar PV Installer – Electrical SGJ/Q0102

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	220	<p>After the training, the candidate would suitable to work as Solar PV Installer- Electrical. S/He specializes in electrical installations and commissioning of Solar Photovoltaic Systems.</p> <p>S/He will be trained on Solar PV and will be able to do:</p> <ul style="list-style-type: none"> • Site Survey for installation of Solar PV System • Install Electrical components of Solar PV System • Test and Commission Solar PV System • Maintain Personal Health & Safety at project site <p>S/He 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.</p>
Trainee Qualification	10th + I.T.I (Electrical and Electronics)/ Diploma (Electrical, Electronics)/10 pass+3 years of experience as Electrician	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI / Diploma (Electrical, Electronics) + 3 years of experience or B.Tech (Civil / Electrical / Electronics /Electrical and Electronics Eng.) / MSc Physics + 2 years of experience	

8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

3. Solar PV Installer - Civil SGJ/Q0103

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	180	<p>After the training, the candidate would suitable to work as Solar PV Installer – Civil. S/He specializes in civil and mechanical installation of Solar Photovoltaic Systems. S/He will be trained on Solar PV and will be able to do:</p> <ul style="list-style-type: none"> • Site Survey for installation of Solar PV System • Install Civil and Mechanical parts of Solar PV System • Maintain Personal Health & Safety at project sit <p>S/He 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.</p>
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	
Trainer Qualification & Experience	ITI / Diploma + 3 years of experience or B.Tech (Civil, Mechanical, Electrical, Instrumentation, Electronics, Electrical and Electronics Eng.) + 2 years of experience	

4. Rooftop Solar Photovoltaic Entrepreneur SGJ/Q0104

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	80	<p>After the training, the candidate would suitable to work as Rooftop Solar PV Entrepreneur. S/He is an individual having the ability to venture into Solar Rooftop market to lead an enterprise, prepare the feasibility study report and is responsible for the managing the complete Solar rooftop PV project lifecycle.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Carry out market research and prepare a cost estimate for a Rooftop Solar Photovoltaic plant • Prepare site feasibility report • Manage Solar PV project for its entire lifecycle • Entrepreneurship skills • Maintain Personal Health & Safety at project site <p>S/He will be able to venture into Solar Rooftop market to lead an enterprise as S/He would have understanding of solar business models and the technical knowledge of rooftop solar PV plants along with the components available in the local market. S/He will prepare feasibility study report and basic energy generation forecasting using simulation software. S/He will be responsible for the managing the complete Solar PV rooftop project for its life.</p>
Practical Project Work Hours	40	
Trainee Qualification	B.E./B.Tech. /Any Graduate with Science background, preferred	
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience	B.E/B.Tech/MSc Physics + 5 Years of relevant industry experience or B.Tech. + MBA / M.Tech. + 3 Years relevant industry experience	

8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

5. Solar Proposal Evaluation Specialist SGJ/Q0105

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	80	<p>After the training, the candidate would suitable to work as Solar Proposal Evaluation Specialist. S/He has competency to review feasibility of the site for installation, assess the techno-commercial feasibility and financial viability of setting up a Solar PV Power Plant.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Check site feasibility of Solar PV Power Plant • Assess the technical feasibility of Solar PV Power Plant • Determine financial viability of the Solar PV Power Plant • Optional: Entrepreneurship Skills <p>S/He 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.</p> <p>S/He will be able to providing techno-commercial advice, preparing lending or funding documents and write or review Solar PV project reports.</p>
Trainee Qualification	Any Graduate/ Post Graduate (MBA/CA) with 3 Years of experience in a financial institution/bank/managing project finance for graduates	
Entry Age (years)	Minimum age: 23	

6. Rooftop Solar Grid Engineer SGJ/Q0106

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	80	<p>After the training, the candidate would suitable to work as Rooftop Solar Grid Engineer. S/He has competency of pre-commissioning inspection, interconnection and post commissioning testing of grid connected Solar PV Roof Top Power Plants. S/He is able to monitor safe and appropriate performance of the grid connectivity.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Pre-Commissioning Inspection of the Grid Connected Rooftop Solar PV Power Plant • Post Commissioning Testing of the Grid Connected Rooftop Solar PV Power Plant • Maintain Personal Health & safety at project site <p>S/He 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.</p>
Trainee Qualification	B.E./B.Tech (Electrical, Mechanical or equivalent) with NA of experience	
Entry Age (years)	Minimum age: 20	
Trainer Qualification & Experience		

8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

7. Solar PV Business Development Executive SGJ/Q0107

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would suitable to work as Solar PV Business Development Executive. S/He is specialized in developing solar PV business for a company.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Develop and mobilize rooftop solar PV business • Develop of off grid solar PV business • Develop of ground mount solar PV business • Work effectively with others <p>S/He 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.</p>
Trainee Qualification	BBA/B.Com/B.Tech/BE/B.V oC(Renewable Energy or equivalent) /10th+ 2 years ITI with 3 years relevant experience	
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience		

8. Solar PV Site Surveyor SGJ/Q0108

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	120	<p>After the training, the candidate would suitable to work as Solar PV Site Surveyor. S/He is specialized in survey of the site for setting up a solar power plant.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Survey site for installation of ground mount solar PV power plant • Survey site for Installation of rooftop solar PV power plant • Maintain personal health & safety at project site • Work effectively with others <p>S/He would be able to survey the proposed site, provide complete land map with elevations, arrange for soil testing & test reports, provides details of approach to site, water table at site, quality of ground water, availability of water for module cleaning at site, availability of grid, location nearest substation where the solar power is to be delivered etc. For rooftop solar power plants, s/he would be able to survey rooftop for availability of shadow free open area, roof load bearing capacity, drawings of beams and columns, load of the building and the voltage at which it is be connected to grid etc.</p>
Trainee Qualification	Diploma/B.E. /B.Tech preferably in Civil Engineering. Experience: 3 Years	
Entry Age (years)	Minimum age: 25	
Trainer Qualification & Experience	Diploma/ B.E. / B. Tech. preferably in Civil Engineering + 3 years of experience in doing site surveys for Solar PV power plants	

8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

9. Solar PV Assistant Structural Design Engineer SGJ/Q0109

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	200	After the training, the candidate would suitable to work as Solar PV Business Development Executive. S/He is specialized in developing solar PV business for a company.
Trainee Qualification	BBA/B.Com/B.Tech/BE/B.VoC(Renewable Energy or equivalent) /10th+ 2 years ITI with 3 years relevant experience	S/He will be trained on and will be able to: <ul style="list-style-type: none"> • Develop and mobilize rooftop solar PV business • Develop of off grid solar PV business • Develop of ground mount solar PV business • Work effectively with others
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience		S/He 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.

10. Solar PV Designer SGJ/Q0110

QUALIFICATION PACK DETAILS		
NSQF Level	7	Description
Course Duration/ Training Hours	200	After the training, the candidate would suitable to work as Solar PV Designer. S/He is specialized in designing of solar PV power plant.
Trainee Qualification	Graduate (B.Tech - Solar/ Electrical, Electronics, Civil, Mechanical/ Energy Systems) OR Post Graduate (M.Tech - Solar/ Renewables/Energy Studies) With 5 Years Solar PV experience for Graduate, 3 Years Solar PV experience for Post-Graduate	S/He will be trained on and will be able to: <ul style="list-style-type: none"> • Review the structural design of solar PV power plant • Review electrical design of solar PV power plant • Prepare energy simulation report • Maintain personal health & safety at solar PV project site • Work effectively with others S/He would be able to review civil and electrical design of the Solar PV power plant & prepare the energy simulation report.
Entry Age (years)	Minimum age: 25	
Trainer Qualification & Experience		

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SOLAR PHOTOVOLTAIC

11. Solar PV Project Helper SGJ/Q0111

QUALIFICATION PACK DETAILS		
NSQF Level	2	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would suitable to work as Solar PV Project Helper. S/He would be trained to assists in various activities relating to SPV installations both ground mounted and roof top.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Assist in installation and maintenance of solar PV power plant • Assist in installation and maintenance of off grid solar systems • Maintain personal health & safety at workplace <p>S/He 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.</p>
Trainee Qualification	Ability to read and write	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI / Diploma in technical education + 2 years of hands-on working experience of Installation and Maintenance of Solar PV power plants	

12. Solar PV Engineer (Option: Solar Water Pumping Engineer) SGJ/Q0112

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	300 + 120 (Optional)	<p>After the training, the candidate would become Solar PV Engineer. S/He would be trained to design, installation and commission solar PV power plant, its quality assurance and HSE issues.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Prepare site feasibility study report • Design of solar PV power plant • Installation and commissioning of solar PV power plant • Quality Assurance of solar PV power plant & components • Maintain personal health & safety at project site • Work effectively with others <p>S/He would be able to take responsibility of design, installation and commissioning of solar power plant at site, its quality QA and HSE issues.</p> <p>Option: Solar Water Pumping Engineer: As part of optional learning, he would also be able to design, install and commission solar water pumping systems.</p>
Trainee Qualification	B.E./B.Tech OR Diploma (Electrical/Electronics/ Civil/ Mechanical) with 2 years of relevant experience	
Entry Age (years)	Minimum age: 20 year	
Trainer Qualification & Experience	Engineering Graduate + 3 years of experience in designing and installation of Solar PV Power plant or Diploma + 5 years of experience in designing and installation of Solar PV Power plant	

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SOLAR PHOTOVOLTAIC

13. Solar Site In-charge SGJ/Q0113

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar PV power plant Site In-charge. S/He will be trained to be responsible for all the activities at site relating to Installation and commissioning of solar PV power plant.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Manage installation and commissioning of solar PV power plant at site • Maintain health & safety at project site • Work effectively with others <p>S/He would receive components of the solar PV power plant, check them for specifications and quality and get the solar PV power plant installed as per the design. S/He would also get the substation and grid interface constructed incorporating grid code and regulatory provisions. S/He will be able to commission DC and AC parts of solar power plant and undertake grid connection, data acquisition and monitoring equipment installed.</p>
Trainee Qualification	B.E./B.Tech. + 3 years' experience in solar PV power plant installation and commissioning or M.Tech. / MBA + 1 year of experience in solar PV power plant installation and commissioning	
Entry Age (years)	Minimum age: 25	
Trainer Qualification & Experience	Graduate + 3 years of experience in managing installation & commissioning of solar PV power plants	

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

QUALIFICATION PACK DETAILS		
NSQF Level	7	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar PV Project Manager (E&C) with competency to manage erection and commissioning of one/ multiple solar PV power plants at one site or different sites.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Manage installation of solar PV power plant • Maintain health & safety at project site • Work effectively with others <p>S/He with his team of site in-charge and commercial manager, receives different components of the solar PV power plant (modules, inverter, transformers etc.) procured 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.</p>
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. / M.Tech. / MBA with 3 years of experience in renewable energy/power sector utilities/consulting firms/solar PV power plant installation and commissioning	
Entry Age (years)	Minimum Age: 30	
Trainer Qualification & Experience	B.E./ B.Tech. in Engineering and Technology + 7 years of experience in managing installation & commissioning of Solar PV projects or M.Sc. / M.Tech. / MBA + 5 years of experience in managing installation & commissioning of Solar PV projects	

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SOLAR PHOTOVOLTAIC

15. Solar PV Maintenance Technician - Electrical (Ground Mount) SGJ/Q0115

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar PV Maintenance Technician for electrical components in a ground mount power plant.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Carry out electrical maintenance of the ground mount solar PV power plant • Maintain personal health & safety at solar PV power plant • Work effectively with others <p>S/He 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.</p>
Trainee Qualification	ITI - Electrical and Electronics	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	Graduate + 2 years of experience in Operation and Maintenance of Solar PV power plant	

16. Solar PV Maintenance Technician - Civil (Ground Mount) SGJ/Q0116

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar PV Maintenance Technician for civil components in a ground mount power plant.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Carry out civil/ mechanical maintenance of solar PV power plant • Maintain personal health & safety at solar PV power plant • Work effectively with others <p>S/He would be able to periodically check all the civil / mechanical parts of the solar power plant for its stability and long life incorporating quality craftsmanship and complying with all applicable codes, standards, and safety requirements.</p>
Trainee Qualification	10th pass preferred	
Entry Age (years)	Minimum Age:18	
Trainer Qualification & Experience	Graduate + 2 years of experience in Operation and Maintenance of Solar PV power plant	

8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

17. Solar PV O&M Engineer SGJ/Q0117

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar PV O&M Engineer. S/He would be able to monitor operation of the Solar PV power plant using SCADA or any other monitoring system.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> Operate Solar PV power plant Carry out electrical maintenance of Solar PV power plant Carry out civil / mechanical maintenance of Solar PV power plant Maintain personal health & safety at project site Work effectively with others <p>S/He would be able to keep watch on voltages at various levels, operational efficiencies of individual components, generation of power; compute performance ratio and compare with simulated values etc. S/He is trained to identify electrical faults from SCADA/any monitoring system and get them rectified in the plant down to modules string level. S/He is also trained to maintain civil and mechanical works of the plant through the maintenance team.</p>
Trainee Qualification	Diploma (Electrical/Electronics/ Civil/ Mechanical) or Pre-final engineering and technology candidate with 3 years of formal engineering education	
Entry Age (years)	Minimum age: 20	
Trainer Qualification & Experience	Certified Solar PV Engineer + 1 year experience or Certified Solar PV O&M Engineer + 1 year experience or Graduate + 2 years of experience in operating & maintaining of Solar PV power plants	

18. Solar Off Grid Entrepreneur SGJ/Q0118

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar Off Grid Entrepreneur, who does business of solar off grid systems.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> Develop solar lighting solutions business Develop solar PV pumping business Develop solar PV off – grid power plant business Entrepreneurship skills Maintain personal health and safety at project site Work effectively with others <p>S/he would be able to identify potential market and the client needs / requirements to propose the right kind of technically and economically feasible Off Grid Solar solutions. S/he will be well acquainted with Government policies and different suppliers of Off Grid solar solutions like home lighting, lanterns, street lighting, small solar systems and pumps. S/he will be able to select right product from the suppliers and sells them to the customer. S/he would have knowledge of standard installation and maintenance practices for different kinds of Off Grid solar products.</p>
Trainee Qualification	12th pass preferably	
Entry Age (years)	Minimum Age:18	
Trainer Qualification & Experience	Graduate + 2 years of working experience in Solar off-grid sector (education qualification can be relaxed in case of extraordinary relevant field experience)	

8.0 Qualification Packs developed by SCGJ

SOLAR PHOTOVOLTAIC

19. Solar PV Manufacturing Operator SGJ/Q0119

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Solar PV Manufacturing Technician. S/He would learn various processes involved in manufacturing of Solar PV Modules.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Carry out the manufacturing of Solar PV Modules • Maintain personal health & safety in a manufacturing facility • Work effectively with others <p>S/He 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.</p>
Trainee Qualification	10th pass	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience		

20. Solar Lighting Assembler(Elective: Home Lighting System/ Street Lights) SGJ/Q0201

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	220(40/40 (Elective))	<p>After the training, the candidate would be suitable to work as Solar Lighting Technician. S/He would assemble, test and repair different types of solar photovoltaic (SPV) lamps adhering to basic electrical standards.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Assembly of different types of solar lamps • Repair of solar lamps • Maintain personal health & safety in a manufacturing facility • Maintain Personal Health and safety at project site <p>Option1: Home lighting system Assembly and Repair of solar home lighting systems.</p> <p>Option2: Street light Assembly and Repair of solar street lights.</p>
Trainee Qualification	8th pass	
Entry Age (years)	Minimum Age:18	
Trainer Qualification & Experience	10th pass + ITI or Diploma in technical education + 1 year of manufacturing solar lighting device or 2 years of experience in O&M of solar lighting devices	

8.0 Qualification Packs developed by SCGJ

SOLAR THERMAL

21. Solar Domestic Water Heater Technician (Option: Manufacturing Technician) SGJ/Q0601

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200 + 100 (Optional)	<p>After the training, the candidate would be suitable to work as Solar Domestic Water Heater Technician. S/He would specialize in the installation, commissioning and maintenance of Solar Water Heaters.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Carry out installation and commissioning of Solar Water Heater • Carry out maintenance of Solar Water Heater • Maintain personal health & safety at solar thermal project site • Work effectively with others Option: Manufacturing Technician • Carry out manufacturing of Solar Water Heater Tank <p>S/He would be able to install, commission and maintain solar water heater of a desired capacity designed as per the specifications of components such as collectors (PFC/ETC), storage tanks, hot and cold water pipelines, piping for hot water up to the use point, heat exchanger, circulation pumps, controls etc.</p> <p>Option: Manufacturing Technician: As an additional skill, manufacturing of Solar Water Heater Tank will be offered as it complements the skills of the technician and helps her/him in lean periods of seasonal business.</p>
Trainee Qualification	8th pass preferably	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	<p>10th pass + ITI or Diploma in technical education</p> <p>+ 1 year of manufacturing solar domestic water heater or</p> <p>2 years of experience in O&M of solar domestic water heater</p>	

8.0 Qualification Packs developed by SCGJ

SOLAR THERMAL

22. Solar Thermal Engineer – Industrial Process Heat (Option: Consultant) SGJ/Q0603

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	360 + 40 (Optional)	<p>After the training, the candidate would be suitable to work as Solar Thermal Engineer - Industrial Process Heat. S/He would specialize in utilization, installation and maintenance of Solar Thermal Technologies based systems for supply of process heat in industry.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Design solar thermal technology solutions for industrial process heat applications • Ensure installation, testing and commissioning of solar thermal systems • Carry out maintenance of solar thermal systems • Maintain personal health & safety at solar thermal project site • Work effectively with others <p>Option: Solar Thermal Consultant Industrial Process Heat: S/He would be able to identify the requirement of heat at desired temperatures for different processes across the industry, identify the solar thermal technologies capable of delivering heat at those temperatures with relative efficiencies and cost. S/He will be able to survey available open ground/ roof area for installation of solar thermal technologies, select the technology, get system of appropriate capacity installed and integrate with the existing heat source and ensure regular maintenance of the system. S/He will be developing entrepreneurship skills for starting and managing new business.</p>
Trainee Qualification	B.E. / B.Tech (Mechanical /Chemical/ Civil)	
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience	B.E. / B.Tech. (Mechanical /Chemical/ Civil) + 3 years of experience in designing and installing solar thermal technology solutions or Certified Solar Thermal Engineer with 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

SOLAR THERMAL

23. Solar Thermal Engineer – Industrial Process Heat (Option: Consultant) SGJ/Q0603

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	360 + 40 (Optional)	After the training, the candidate would be suitable to work as Solar Thermal Engineer - Industrial Process Heat. S/He would specialize in utilization, installation and maintenance of Solar Thermal Technologies based systems for supply of process heat in industry.
Trainee Qualification	B.E. / B.Tech (Mechanical /Chemical/ Civil)	<p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Design solar thermal technology solutions for industrial process heat applications • Ensure installation, testing and commissioning of solar thermal systems • Carry out maintenance of solar thermal systems • Maintain personal health & safety at solar thermal project site • Work effectively with others
Entry Age (years)	Minimum Age: 21	Option: Solar Thermal Consultant Industrial Process Heat S/He would be able to identify the requirement of heat at desired temperatures for different processes across the industry, identify the solar thermal technologies capable of delivering heat at those temperatures with relative efficiencies and cost. S/He will be able to survey available open ground/ roof area for installation of solar thermal technologies, select the technology, get system of appropriate capacity installed and integrate with the existing heat source and ensure regular maintenance of the system. S/He will be developing entrepreneurship skills for starting and managing new business.
Trainer Qualification & Experience	B.E. / B.Tech. (Mechanical /Chemical/ Civil) + 3 years of experience in designing and installing solar thermal technology solutions or Certified Solar Thermal Engineer with 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

CLEAN COOKING

24. Improved Cookstove Installer SGJ/Q2101

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	120	<p>After the training, the candidate would be suitable to work as Improved Cookstove Installer. S/He would specialize in construction of cookstove as per standard mould(s) and installation at appropriate site.</p> <p>S/He will be trained on:</p> <ul style="list-style-type: none"> • Collection of Materials and Preparation of Appropriate Mixture • Construction of Improved Cookstove • Installation and Demonstration of Improved Cookstove • Health and Work Safety while Construction and Installation of Improved • Cookstove Entrepreneurship in Installation of Improved Cookstove <p>S/He 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.</p>
Trainee Qualification	5th Pass Preferably	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass + 2 years of relevant industry experience	

25. Portable Improved Cookstove Assembler SGJ/Q2102

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	120	<p>After the training, the candidate would be suitable to work as Portable Improved Cookstove Assembler.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Collect Different Parts of Portable Improved Cookstove • Assemble and fit components of Portable Improved Cookstove • Work Safely while Assembling and Fitting of Component <p>S/he will 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.</p>
Trainee Qualification	10th pass preferred	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass + 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

CLEAN COOKING

26. Portable Improved Cookstove Sales and Maintenance Executive SGJ/Q2104

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	80	<p>After the training, the candidate would be suitable to work as Portable Improved Cookstove Sales and Maintenance Executive. After the training.</p> <p>S/he will be trained on:</p> <ul style="list-style-type: none"> • Identification and operation of portable improved cookstove • Demonstration and handling of sales of portable improved cookstove • Health and work safety while identification and demonstration of portable improved cookstove • Aftersales and maintenance services of portable improved cookstoves <p>Portable improved Cookstove sales and maintenance executive is responsible for marketing, selling and aftersales service of Cookstove.</p>
Trainee Qualification	8th pass	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass + 2 years of experience in sales and maintenance	

27. Portable Improved Cookstove Distributor SGJ/Q2105

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	80	<p>After the training, the candidate would be suitable to work as Portable Improved Cookstove Distributor.</p> <p>S/he will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Ensure statutory compliances, laws, policies and procedures • Develop product portfolio • Recruit key personnel for management of operations • Develop demand and distribution channel • Manage overall operations of the business and its expansion • Ensure health and safety in operations <p>S/He will be responsible for increasing market for 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.</p>
Trainee Qualification	12th Pass + 2 years of experience in any distribution or similar operations	
Entry Age (years)	Minimum Age: 21	
Trainer Qualification & Experience	12th pass + 4 years of experience in distribution / channel sales or Graduate + 2 years of experience in distribution / channel sales	

8.0 Qualification Packs developed by SCGJ

WASTE MANAGEMENT

28. Recyclable Waste Collector and Segregator SGJ/Q6101

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	160	<p>After the training, the candidate would be suitable to work as Recyclable Waste Collector. S/He would be responsible for collection and proper segregation of Recyclable waste.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Collect Recyclable waste • Segregate Recyclable waste • Maintain health and work safety. • Entrepreneurship
Trainee Qualification	Ability to read and write	S/He 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.
Entry Age (years)	Minimum age: 16	
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

WASTE MANAGEMENT

29. Safai Karamchari (Elective: Wet Cleaning/ Mechanized Cleaning) SGJ/Q6102

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	200(Elective:40/40)	After the training, the candidate would be suitable to work as Safai Karamchari.
Trainee Qualification	Ability to read and write	<p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Clean roads, pavements and public areas • Clean floor(s) of buildings • Maintain personal health & safety while cleaning • Work effectively with others while cleaning <p>S/He 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.</p>
Entry Age (years)	Minimum age: 18	<p>Option1: Wet Cleaning S/he would specialize in wet cleaning, cleaning and washing bathrooms, lavatory and removing garbage and other waste in closed dustbin.</p>
Trainer Qualification & Experience	10th Pass + Minimum 2 years of experience in supervising cleaning activity	<p>Option2: 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.</p>

8.0 Qualification Packs developed by SCGJ

WASTE MANAGEMENT

30. Waste Picker SGJ/Q6103

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	160	<p>After the training, the candidate would be suitable to work as Waste picker. S/He will be able to collect and recover reusable and recyclable solid waste from the source of waste generation for sale to recyclers directly or through intermediaries to earn her/his livelihood.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Search and collect reusable and recyclable refuse • Preparation and sale of reusable and recyclable refuse • Collection of waste from door-to-door • Maintain personal health and safety <p>S/He would be able to prepare the 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. Also identify 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.</p>
Trainee Qualification	Not Applicable	
Entry Age (years)	Minimum Age: 18	
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant industry experience or working in relevant NGO/ waste management organization	

31. Animal Waste Manure Aggregator (Option: Biogas Plant Operator/Compost Plant Operator) SGJ/Q6302

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	45+45/45(Optional)	<p>After the training, the candidate would be able to work as animal waste manure aggregator. During the training.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Set-up drop points for collecting waste manure • Collect waste manure, hygienically, from designated areas • Appropriately store and dispatch of waste manure • Maintain basic health and workplace safety <p>S/he will be given an option to get training to work as: Biogas Plant Operator, where in S/he will be trained on:</p> <ul style="list-style-type: none"> • Monitoring, operation and maintenance of biogas plant <p>Or</p> <p>Compost Plant Operator, where in S/he will be trained on:</p> <ul style="list-style-type: none"> • Monitoring, operation and maintenance of compost plant <p>On completion of training and certification, S/he will 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.</p>
Trainee Qualification	5th pass	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant experience	

8.0 Qualification Packs developed by SCGJ

WASTE MANAGEMENT

32. Agri-residue Aggregator SGJ/Q6201

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	72	After the training, the candidate would be able to work as Agri-residue Aggregator.
Trainee Qualification	5th pass	<p>During the training, S/he will be trained to:</p> <ul style="list-style-type: none"> Assess demand for agriculture residues and coordinate with farmers Set up nodal points and procure agri-residues Densify and store agri-residue bales Sell and market agri-residue bales Maintain basic health and workplace safety
Entry Age (years)	Minimum Age: 18	<p>On completion of training and certification, s/he 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 bales. S/he would also perform sale of the bales based on end requirements.</p>
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant experience	

33. Biomass Depot Operator SGJ/Q6207

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	72	After the training, the candidate would be appropriately trained to work as Biomass Depot Operator.
Trainee Qualification	10th pass	<p>S/He will be trained to:</p> <ul style="list-style-type: none"> Purchase of agriculture residue biomass from farmers/aggregators for stocking Re-bale to densify collected agri-residue and standard of further supply Appropriate storage of bales Safety of bales and Depot from fire and other hazards Maintain basic health and workplace safety
Entry Age (years)	Minimum age: 18	<p>On completion of training and certification S/he 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 fire and other hazards as per standards.</p>
Trainer Qualification & Experience	12th Pass + Minimum 2 years of relevant experience	

8.0 Qualification Packs developed by SCGJ

WASTE MANAGEMENT

34. Manager- Waste Management Elective: Biomass Depot or Compost Yard or Dry Waste Center SGJ/Q6501

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	90 (Elective:30)	<p>After the training, the candidate would be suitable to work as Manager- Waste Management.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Carry out market analysis • Formulate an operational plan • Ensure compliance with applicable statutory laws, policies and procedures • Ensure health and safety at workplace <p>Elective 1: Biomass Depot</p> <ul style="list-style-type: none"> • Specialize in overall operations of biomass depot and associated business <p>Elective 2: Compost Yard</p> <ul style="list-style-type: none"> • Specialize overall operations of compost yard and associated business <p>Elective 3: Dry Waste Center</p> <ul style="list-style-type: none"> • Specialize overall operations of dry waste collection center and associated business <p>On completion of training and certification, S/he 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.</p>
Trainee Qualification	Graduate + minimum two years of experience in the field of waste management	
Entry Age (years)	Minimum Age: 23	
Trainer Qualification & Experience	Graduate + minimum four years of experience in the field of waste management	

8.0 Qualification Packs developed by SCGJ

WASTE MANAGEMENT

35. E-waste Recycling Entrepreneur SGJ/Q0202

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	120	<p>After the training, the candidate would suitable to work as E-Waste Recycling Entrepreneur. S/He has the competence for carry out market analysis and formulate an operational plan to sets up E-waste recycling unit. S/He will be trained on entrepreneurship for setting up of E-waste recycling unit and will be able to:</p> <ul style="list-style-type: none"> •Carry out market analysis of recycled material and reusable components extracted from E-waste •Identify key suppliers of E-waste •Prepare a business plan for procurement of E-waste, management of assets, workforce and finances •Liaise with government authorities/local authorities, corporation etc. for smooth conduct of business operations •Improve entrepreneurship skills •Acquire requisite infrastructure/land for setting-up E-waste recycling plant •Set up and manage E-waste recycling plant •Manage human resource •Maintain health and safety at workplace •Improve communication and soft skills which include etiquette manner, perception etc.
Trainee Qualification	Graduate(Preferably in electrical, electronics, environment or chemical discipline)	<p>S/He will be able to oversee the acquisition of assets such as machinery, vehicles and workforce and set up and manage e-waste recycling plant. S/he ensures fulfilment of statutory compliances and norms of health and safety at work place. S/he is also responsible for overall marketing, creating partnerships for business development.</p>
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience	Graduation with two years of experience in relevant waste management organisation or similar occupation	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

36. Wastewater treatment plant technician SGJ/Q6601

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Wastewater Treatment Plant Technician. S/He would specialize in operation & maintenance of the Industrial and Housing Societies Wastewater Treatment Plants.</p> <p>S/He will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Operate the Wastewater Treatment Plant • Monitor and Maintain Wastewater Treatment Plant • Work Safety at Wastewater Treatment Plant <p>S/He would be able to operate Wastewater Treatment Plant and other related equipment. S/He would be able to perform the operation and cleaning of different screens, valves in a Wastewater Treatment Plant and charge the slurry tank. S/He would be able to do add desired quantity of chemicals and microbes to treat water. S/He would also facilitate the calibration of process control equipment as needed.</p>
Trainee Qualification	12th Class or 10th + I.T.I	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience		

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

37. Wastewater treatment plant Helper SGJ/Q6602

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	160	<p>After the training, the candidate would be suitable to work as Wastewater Treatment Plant Helper. S/He would assist in Operation and Maintenance of Industrial and Housing Societies Wastewater Treatment Plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Maintain the Wastewater Treatment Plant • Assist the Supervisor in Wastewater Treatment Plant • Work Safety at Wastewater Treatment Plant <p>S/He 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.</p>
Trainee Qualification	Ability to read and write	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience		

38. Septic Tank Technician SGJ/Q6402

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	80	<p>Septic Tank Technician is responsible for fabrication of different types of septic tanks/ soak pit and install at the site(commercial/institutional/residential). He/ She is responsible for selecting suitable configuration of septic tanks as per client requirement and execute its fabrication and installation with fellow masons. He/ She also undertake the work of repair and maintenance of existing septic tanks.</p> <p>After the training, he/she will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Assess the site and size of the septic tanks • Excavate, fabricate and install fixed septic tanks as per Central Public Health and Environmental Engineering Organization(CPHEEO) norms • Install prefabricated septic tanks • Repair and maintain septic tanks • Work effectively with co-workers • Maintain Health and safety in septic tank fabrication and installation
Trainee Qualification	5th Pass, Minimum experience of 3 year in masonry work	
Entry Age (years)	Minimum Age: 19	
Trainer Qualification & Experience	10th Pass, Minimum 2 years of experience in supervising masons and installation of septic tanks	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

39. Desludging Operator SGJ/Q6403

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	120	<p>The Desludging Operator is responsible for emptying, transport and disposal of faecal sludge from the septic tank to desludging site / Faecal Sludge Treatment Plant. He /She has to operate pumps, suction hoses and other machinery/equipment to empty the septic tank and appropriately dispose the sludge. As an entrepreneur he/she would be trained to venture into desludging services for managing Faecal Sludge.</p> <p>After the training, he/she will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Empty sludge from the septic tank • Demonstrate preventive maintenance of desludging tank • Transport sludge in a safe manner to dedicated sludge disposal sites • Dispose sludge safely at the dedicated sludge disposal site • Set up venture for emptying, transport and disposal of sludge • Work effectively with co-workers • Maintain health and safety while emptying, transporting and disposing off sludge at the dedicated sludge disposal site
Trainee Qualification	5th Pass	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass, Minimum 2 years of experience in faecal sludge and septage management	

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>The Faecal Sludge Treatment Plant (FSTP) operation and maintenance technician is responsible for carrying out day-to-day operations of the FSTP. He /She is also responsible for routine maintenance of pumps, engines, motors, filters, bar screens, valves, pipes, and any other equipment used in FSTP.</p> <p>After the training, he/she will be trained on and will be able to:</p> <ul style="list-style-type: none"> • Identify various components of Faecal Sludge Treatment Plant(FSTP) • Identify Repair and Maintenance tools and equipment • Identify Personal Protective Equipment • Perform day to day operation of Faecal Sludge Treatment Plant(FSTP) • Carryout routine maintenance of pumps, engines, motors, filters, bar screens, valves, pipes and any equipment's at the FSTP • Work effectively with co-workers • Maintain personal health and safety while operating FSTP
Trainee Qualification	ITI or Equivalent	
Entry Age (years)	Minimum Age: 18	
Trainer Qualification & Experience	"Education Qualification : ITI /Diploma or B.Tech orThe education qualification can be relaxed in case of extraordinary relevant field experience Minimum 3 years of relevant industry experience for ITI /Diploma or Minimum 2 years of relevant industry experience for B.Tech	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

41. Assistant Planning Engineer – Wind Power Plant SGJ/Q1201

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Assistant Planning Engineer – Wind Power Plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Assist in project planning for wind power plant • Assist in project evaluation and monitoring for wind power plant • Perform basic health and safety practices at project site (Ground and Height) • Work effectively with others <p>S/He would carry out planning of workflow for turbines & electrical system's Erection & Commissioning (E&C), conduct statistical studies of product quality and time usage and analyse production costs and complying with all operational manuals, applicable codes, standards and safety requirements.</p>
Trainee Qualification	ITI / Diploma (Electrical, Mechanical, Civil)	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI/Diploma + 4 years of relevant industry experience or B.Tech./B.E. + 3 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

42. Site Surveyor-Wind Power Plant SGJ/Q1202

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description After the training, the candidate would be suitable to work as Site Surveyor - Wind Power Plant. S/He will be trained to: <ul style="list-style-type: none"> • Conduct site survey for wind power plant • Perform basic health and safety practices at project site (Ground and Height) • Work effectively with others S/He carries out site inspection, site assessment, checking site access, approach roads, grid availability for power evacuation, substation availability & its capacity and other relevant proximity of site.
Course Duration/ Training Hours	120	
Trainee Qualification	B.E. / B. Tech. (Electrical/ Mechanical/ Civil/ Electronics and Communication / Electrical and Electronics/ Control & Instrumentation)	
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience	B.E./B. Tech (Electrical/ Mechanical/ Civil/ Electronics and Communication / Electrical and Electronics/ Control & Instrumentation) + 5 years of relevant industry experience or M.E./M.Tech. (Electrical, Electronics, Instrumentation, Renewable Energy) + 3 years of relevant industry experience	

43. Construction Technician (Mechanical) - Wind Power Plant SGJ/Q1401

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description After the training, the candidate would be suitable to work as Construction Technician (Mechanical) - Wind Power Plant. S/He will be trained to: <ul style="list-style-type: none"> • Carry out the installation of mechanical components of wind power plant • Perform testing and commissioning of mechanical components of wind power plant • Perform basic health and safety practices at project site • Work effectively with others S/He would carry out installation, testing, erection & commissioning of all mechanical parts & components of wind power plant including WTG, transformer, blades, nacelle, junction boxes and other associated accessories as per design drawing.
Course Duration/ Training Hours	200	
Trainee Qualification	12th pass preferably	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI/Diploma + 3 years of relevant industry experience or B.Tech./B.E. + 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

44. Construction Technician (Civil) - Wind Power Plant SGJ/Q1402

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as Construction Technician (Civil) - Wind Power Plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Carry out installation of civil components of wind power plant • Perform basic health and safety practices at project site (Ground and Height) • Work effectively with others <p>S/He would undertake site labelling, tower foundation, transformer foundation, switchyard & switchgear foundation and control room building foundation as per design drawing and preparation of approach road to the site.</p>
Trainee Qualification	12th pass preferably	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI/Diploma + 3 years of relevant industry experience or B.Tech./B.E. + 2 years of relevant industry experience	

45. Construction Technician (Electrical) - Wind Power Plant SGJ/Q1403

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	160+ 40/40 (Optional)	<p>After the training, the candidate would be suitable to work as Construction Technician (Electrical) - Wind Power Plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Carry out installation of electrical components of wind power plant • Perform testing and commissioning of electrical components of wind power plant • Perform basic health and safety practices at Project Site (Ground and Height) • Work effectively with others <p>S/He would carry out installation, testing & commissioning of wind power plant including WTG, transformer, poles, O/H line, U/G cables, junction boxes, feeder pillars and other associated accessories like CMS with applicable codes, standards, and safety requirements.</p>
Trainee Qualification	12th pass preferably	
Entry Age (years)	Minimum Age:18	
Trainer Qualification & Experience	ITI/Diploma + 3 years of relevant industry experience or B.Tech./B.E. + 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

46. CMS Engineer- Wind Power Plant SGJ/Q1501

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as CMS Engineer- Wind Power Plant. S/He would be responsible for carrying out installation and commissioning of Condition Monitoring System (CMS) of the wind power plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Carry out installation and commissioning of Condition Monitoring System of Wind Power Plant • Operate and Maintain CMS of Wind Power Plant • Perform basic health and safety practices at Project site (Ground and Height) • Work effectively with others <p>S/he would further, plan and monitor the operation and maintenance of the CMS with a continuous stream of system data, mostly based on vibration monitoring and other operating conditions.</p>
Trainee Qualification	B. Tech (Electrical, Electronics)	
Entry Age (years)	Minimum age: 20	
Trainer Qualification & Experience	B.E/B. Tech (Electrical, Electronics) + 3 years of relevant industry experience or M.E/M. Tech. (Electrical, Electronics, Instrumentation, Renewable Energy) + 1 year of relevant industry experience (education qualification can be relaxed in case of extraordinary relevant field experience)	

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as O&M Mechanical Technician –Wind Power Plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Carry out operation of mechanical components of wind power plant • Carry out maintenance of mechanical components of wind power plant • Perform basic health and safety practices at project site (Ground and Height) • Work effectively with others <p>S/He would carry out operations and maintenance of mechanical components of wind power plant, complying with all operational manuals, applicable codes, standards, and safety requirements.</p>
Trainee Qualification	12th pass preferably	
Entry Age (years)	Minimum Age:18	
Trainer Qualification & Experience	ITI/Diploma + 3 years of relevant industry experience or B.Tech./B.E. + 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

WASTE WATER TREATMENT

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	<p>After the training, the candidate would be suitable to work as O&M Electrical & Instrumentation –Wind Power Plant. S/He would inspect, diagnose, troubleshoot and repair electrical & instrumentation systems of wind power plant.</p> <p>S/He will be trained to:</p> <ul style="list-style-type: none"> • Carry out operation of electrical & instrumentation systems of wind power plant • Carry out maintenance of electrical & instrumentation systems of wind power plant • Perform basic health and safety practices at project site (Ground and Height) • Work effectively with others <p>S/he is expected to perform operation and maintenance of switchgear, transformer, O/H and U/G Lines, SCADA, communication system (Fibre Optics) and complying with all operational manuals, applicable codes/standards, and safety requirements.</p>
Trainee Qualification	12th pass preferably	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI/Diploma + 3 years of relevant industry experience or B.Tech./B.E. + 2 years of relevant industry experience	

8.0 Qualification Packs developed by SCGJ

OTHER GREEN JOBS

49. Technician-Paper Bag Manufacturing SGJ/Q8701

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	225	<p>After the training, the candidate would suitable to work as Technician - Paper Bag Manufacturing. S/He has the competence to cut, crease, fold, paste and print the paper bag from different types of paper including recycled and waste paper using appropriate equipment. S/He will be trained on paper bag manufacturing and will be able to :</p> <ul style="list-style-type: none"> • Check machines, tools and equipment for paper bag manufacturing • Carry out paper cutting and creasing • Make eyelets in paper bag • Paste, print and dispatch paper Bag • Maintain basic health and workplace safety • Improve communication and soft skills which include etiquette manner, perception etc. <p>S/He would make eyelets and fix the handle or paste paper twisted rope handle to manufacture the final product. Suitably pack the finished product for dispatch to the customer.</p>
Trainee Qualification	Ability to read and write	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th pass with three years of experience in relevant waste management organization or similar occupation	

50. Paper Bag Maker (Enterprise Developer) SGJ/Q8702

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	130	<p>After the training, the candidate would suitable to work as Paper Bag Maker. S/He has the competence to carry out market analysis and sets up a production unit for manufacturing paper bags from paper/recycled paper. She/He will be trained on developing enterprise for paper bag manufacturing unit and will be able to :</p> <ul style="list-style-type: none"> • Carry out market analysis for raw material procurement and assess demand of paper bag • Identify key suppliers of raw material for paper bag • Prepare a business plan for marketing a paper bag • Liaise with government authorities/local authorities, corporation etc. for smooth conduct of business operations • Improve Entrepreneurship skills • Acquire requisite infrastructure/land • Set up and manage paper bag manufacturing plant • Manage human resource • Ensure health and safety at workplace • Improve communication and soft skills which include etiquette manner, perception etc. <p>S/he 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 is also responsible for overall management, recruitment and sustenance of the business</p>
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	
Trainer Qualification & Experience	10th pass with three years of experience in Paper Bag Manufacturing	



Minutes of the 5th Annual General Meeting

2020 - 2021

9.0 Minutes of the 5th Annual General Meeting

The Fifth Annual General Meeting of the Skill Council for Green Jobs was held at 12.15 pm on 24th September, 2020 , under the Chairmanship of Mr. K. Krishan, Chairman, CVC Biorefineries Private Limited and Chairman, SCGJ, through video conferencing.

Following were present in the Meeting:

1. Mr K. Krishan, Chairman, CVC Biorefineries Private Limited ---- in Chair
2. Dr G Upadhya , Advisor-HR, MNRE
3. Dr. Vasanta Thakur, Scientist D, Ministry of New and Renewable Energy
4. Col. Arun Kumar Chandel, Sr Head, National Skill Development Corporation
5. Mr. Mohan Reddy, Head, National Skill Development Corporation
6. Ms Sonali David, Consultant, NSDC
7. Dr A K Tripathi, Director General, National Institute of Solar Energy
8. Dr K Balaraman, Director General, National Institute of Wind Energy
9. Dr P Kanagavel, Director and Division Head, National Institute of Wind Energy
10. Prof Arun Kumar, AHEC, IIT Roorkee
11. Mr. Ashish Trivedi, Senior Manager, Confederation of Indian Industry
12. Mr. Kacho Ahmad Khan, CEO, Kargil Renewable Energy Development Agency
13. Mr. Ashish Trivedi, Senior Manager, Confederation of Indian Industry
14. Mr Sunil Jain, Chief Executive Officer & Executive Director, Hero Future Energies Ltd
15. Mr Sudhir Agarwal, Chairman & Managing Director, Patanjali Renewables
16. Mr Gaurav Mehta, MD, Dharma Life Foundation
17. Mr Atul Saxena,CEO, Growdiesel Ventures Ltd
18. Mr Abhimanyu Sahu, COO, Schneider Electric India Foundation
19. Mr Amar Variawa, Director, Marketing & Public Affairs, Vestas Wind Technology India
20. Cmde (Dr) Jawahar M Jangir, Director Industrial Relation & Principal, Bharatiya Skill Development University
21. Mr. Abhinav Mahajan, Director, Integrated Batteries
22. Mr Vijay Saxena, Plant HR Head, Adani Solar Mundra
23. Ms. Soraya Rebello, Head CSR, Jakson Ltd.
24. Mr Gopal Krishna Mallik, Head HR, IEEMA
25. Mr. R K Verma, Secretary, Sai Engineering Foundation
26. Mr. Nakul Patel, Director, Shreenath Smart Technologies Pvt. Ltd.
27. Mr. Anupam Jain, Chairman & Managing Director, Ecoinch / Rationale De Design
28. Mr. Swapnil Tripathi, Chief Executive Officer, Suyaash Infracon Pvt Ltd.
29. Mr. Randhir Singh, Director, Emperia Energy Pvt. Ltd
30. Mr. Iytha Mallikarjuna, CEO, Foresight Edutech Pvt. Ltd.
31. Dr. P. Saxena, CEO, Skill Council for Green Jobs - Member Secretary

Also present:

32. Dr (Mrs.) P. Dhamija, Advisor – Biomass and Sustainable Livelihoods, SCGJ
33. Ms Sangeeta Patra, Head – Marketing and Partnerships, SCGJ
34. Mr Arpit Sharma, Head – Assessment and Assurance, SCGJ
35. Mr Deepak Rai , Head – Standards and Research, SCGJ
36. Mr. Pushpinder Tiwari, Partner, VD Tiwari & Associates

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

9.0 Minutes of the 5th Annual General Meeting

Welcome and opening remarks by the Chairman

1. Mr. K Krishan, Chairman, Skill Council for Green Jobs, welcomed members of the General Body and Guests. Adapting to the new norm, he has put his thoughts in the Chairman's message available in the Annual Report 2019-20 of SCGJ. He briefly captured the evolution of SCGJ starting with the commercial operations from 2016-17 to 2019-20 activities undertaken by SCGJ during the year 2019-20. He mentioned that the nascent SCGJ has shown traction in the last three years from National Solar Mission, to Swachh Bharat Abhiyan and then last year to Bio-Fuel, Jal Shakti Abhiyan, Pradhan Mantri Awaas Yojna. He mentioned that SCGJ was witnessing an exponential continuous growth however this year that growth has been put on a reset by the pandemic. The economic consequences of the pandemic can be witnessed across all sectors however including in skilling ecosystem, however that also provides an opportunity for introspection.
2. Mr. Krishan highlighted that pandemic has opened up new opportunities for online learning. He said that we should develop into a green economy which is the new thrust globally. The focus on green economy has significantly increased with Green deals of USA and Europe. Keeping in view its development agenda and climate change responsibilities; India has announced its Intended Nationally Determined Contribution (INDC) in form of both quantitative and qualitative commitments for period 2021 to 2030, which covers all aspects of Green economy. SCGJ as an agile organisation has responded to this economic disruption in primarily two ways by initiating online trainings and launch of SCGJ e learning management system (SEMS). He appreciated the efforts of SCGJ in starting the online trainings on solar for a range of stakeholders including over 140 bankers and entrepreneurs from 15 ISA member countries. Such online trainings also provide stimulus for SCGJ member companies to foray into new markets. The creation of SEMS platform has facilitated delivery of various market mode trainings through training partners.
3. The Chairman mentioned that SCGJ is steadily moving forward in creating skilled manpower across Green business sectors. Having introspected SCGJ will develop the various programs which were being worked upon to be implemented fully next year after the pandemic, so as to continue the great growth story of the past years.
4. The Chairman requested Dr. Saxena, Secretary and CEO, SCGJ to take up agenda for the meeting.
5. Dr P Saxena, CEO, SCGJ thanked the chair and informed the members that SCGJ through C.V. Raman institute of Bhubaneswar and NSDC participated in World Skill Completion 2019 in Kazan Russia, and got the first ever Gold medal India got in Skilling. This Gold medal was won in the field of Water Technology for India. He emphasized that for this SCGJ was also felicitated by Hon'ble Minister Shri Pandey and the Secretary for Ministry of Skill Development and Entrepreneurship. The CEO thanked the Governing Council and the General Governing Body members for their continued support and guidance.

9.0 Minutes of the 5th Annual General Meeting

AGENDA ITEM 5.01

To grant leave of absence to the members not present in the meeting.

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

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

AGENDA ITEM 5.02

Presentation of Minutes of the Fourth Annual General Meeting of SCGJ held on 25th September, 2019

5.02.01 Minutes of the Fourth Annual General Meeting of SCGJ held on 25th September, 2019 were circulated to all the members. It was informed that no comments were received. The minutes were presented before the Members of General Body.

5.02.02 The General Body members noted the Minutes of Fourth Annual General Meeting were approved.

AGENDA ITEM 5.03

Action Taken Report on the decisions of the Fourth Annual General Meeting of SCGJ

5.03.01 No specific action item mentioned. The General Body noted present position on the decisions taken in the Fourth Annual General Meeting.

AGENDA ITEM 5.04

Presentation of Activities of SCGJ during 2019-20

5.04.01 Dr. P. Saxena, CEO announced that three new Governing Council members have joined Skill Council for Green Jobs, namely Mr Sunil Jain, CEO & ED, Hero Future Energies; Mr Abhimanyu Sahu, COO, Schneider Electric India Foundation and Mr Vijay Saxena, Plant HR Head, Adani Solar Mundra. He made a presentation before the General Body on the activities of SCGJ during the year 2019-20 and in the first two quarter of the year 2020-21. He stated that SCGJ had met almost all the targets of the Annual Business Plan. 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, etc. The members were informed that SCGJ had studied the market requirement of all key sectors and accordingly developed Qualification Packs and other courseware for training purpose.

5.04.02 CEO, SCGJ outlined the major activities of SCGJ in last one year. Informing about other activities during 2019-20 and up to August, 2020, CEO mentioned that double the number of the given target in trainings has been done in the RPL category of the program on different job roles, majorly in Solar and Waste Water. 50 QPs have been developed, 856 trainers and 148 assessors were certified. Total of 4.4 lakh trainings have been completed in the country. 118 industry members were added and 32000 number of jobs were aggregated.

5.04.03 While highlighting on Regional Center and Centers of Excellence, Dr Saxena mentioned that SCGJ has set up one regional centre cum Centre of Excellence at Bengaluru which is being developed for research in skilling requirements and supplementing the skill gap analysis specifically in the sustainable development, Rural Sustainable Mobility and Institutionalized approach to Green Economy domains. The centre is also being utilized to develop models of entrepreneurship development in sustainable economy. With that currently SCGJ has its presence in three regions viz.in Bengaluru (Southern region), Kolkata (Eastern region) and Ahmedabad (Western Region) to widen its outreach to industry as well as training partners. Further, it is proposed to develop National Institute of Wind Energy, Chennai as COE of Wind in association with Vestas and National Institute of Solar Energy Gurgaon as COE of Solar Energy.

9.0 Minutes of the 5th Annual General Meeting

5.04.04 The CEO informed the members that having initiated its core activities, SCGJ has expanded its activities to taking up Consultancy Projects in the area of Skilling for Green Jobs Sectors. Under the Smartgram initiatives, SCGJ prepared sustainable development plan for 50 villages of Haryana adopted by Hon'ble President of India, with CSR support from IREDA & REC. After completing the base line study, implementation work along with Multiple training and capacity building activities were undertaken which has resulted in Installation of aggregate 226 kWp solar rooftop capacity on 61 public buildings; distribution of 13874 nos. of clean cookstoves; 1169 nos. of mechanical and 200 RO water purifier. The project was instrumental in grooming of 12 women entrepreneurs in promoting renewable energy systems and 25 entrepreneurs supported for adopting E-rickshaws. The project also developed plans of waste management in these villages.

5.04.05 Dr Saxena informed that SCGJ has developed a Training Delivery Plan of 35 hrs. for upskilling Safai Karamchari under Recognition of Prior Learning (RPL) programme. It covers important topics such as Mechanized Cleaning, Key Provisions of Manual Scavenging Act 2013 and Mechanized and Safe Cleaning of Sewer and Septic Tanks, Personal Health and Safety etc. A pictorial participant handbook on the safe sanitation cleaning processes has also been prepared. SCGJ has completed RPL training for 5000 Safai Karamcharies during 2017-18, 5000 Safai Karamcharies and 3000 waste pickers in 2018-19 and 1350 Safai Karamcharies during 2019-20.

5.04.06 The members were informed that International Solar Alliance (ISA) has launched an initiative on conducting Training program for Bankers and Solar Entrepreneurs. The program is focused on conducting virtual training sessions for bankers on technical feasibility, due diligence, risk identification and mitigation, credit appraisal and solar insurance amongst others. It was decided by ISA that the programme will be initiated with training to 500 candidates from Banks. Considering the experience of SCGJ in providing structured training to bankers, it was decided by ISA that the online trainings for 500 Bankers and officers in the solar sector for ISA member countries would be organized jointly by SCGJ and IREDA. SCGJ has so far delivered online training to 142 candidates from 15 countries. These training programmes have been delivered by SCGJ certified master trainers and officers of IREDA and SBI. It is a 5 days online training program (10 structured lectures of 1.5 hrs. each). So far, 3 batches have been conducted including one in French language.

5.04.07 The members were informed that during the year 2019-20, SCGJ has conducted 256 workshops launched under the Ministry of Social Justice financed by NSKFDC. HCL foundation has sanctioned RPL training of 4000 Safai Karamcharies of Noida, against which SCGJ has delivered training to 3,425 candidates with the help of its training partners across 3 locations in NOIDA. Emphasis has been on mechanized training, safety, health & hygiene and dignity of labor. SCGJ has now entered into wastewater treatment training and conducted Training of Trainers (ToT) on Wastewater Treatment Plant Helpers & Technician. 10 Trainers from NPC, Wastewater Treatment Plant, operation and maintenance industry have been certified and registered under Takshashila. SCGJ has also conducted training of 118 wastewater treatment plant technicians in different Wastewater treatment plants of Delhi, namely Mayapuri, Bawana, Badli and G.T.Karnal Road CETPs. A study on Future job roles in operations and maintenance of Bio-CNG plants has been commissioned by DFID India, under the Skills for Jobs Programme, in partnership with SCGJ to help identify new age and emerging job roles in the Bio-CNG plants

5.04.08 CEO informed that SCGJ participated in over 40 prominent Green Jobs related events during April 2020 to August, 2020

The General Body noted the progress and complemented SCGJ team under the guidance of Mr. K. Krishan, Chairman for its commendable work.

9.0 Minutes of the 5th Annual General Meeting

AGENDA ITEM 5.05

To receive, consider and adopt the Annual Report and audited financial statements for the Financial Year ending 31.03.2020

5.05.01 Dr. Saxena, CEO, SCGJ informed that important activities of Skill Council for Green Jobs during its fifth year of operation (2019-20) are presented in the Annual Report 2019-20. The Annual report was circulated to all members through e mail along with agenda papers.

5.05.02 The General Body received, considered and adopted the Annual Report and audited financial statements for the Financial Year ending 31.03.2020, by passing the following resolution:

"...RESOLVED THAT pursuant to the provisions of the Societies Registration Act, 1860, and other applicable provisions, if any, annual report and audited financial statements of the Skill Council for Green Jobs be and is hereby approved."

AGENDA ITEM 5.06

To consider and approve appointment of auditor for the financial year 2019-20

5.06.01 The General Body Members were informed that M/s V.D. Tiwari & Co., Chartered Accountant, Delhi (Firm Registration No. 002882N) were appointed by the SCGJ as Statutory Auditors for the Year 2019-20 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.

5.06.02 The General Body considered and approved appointment of auditor for the financial year 2019-2020 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 5.07

Any other item, with the permission of the Chair

5.07.01 The issue relating to Converting SCGJ to as a Section 8 Company

5.07.02 Dr. Praveen Saxena, CEO, SCGJ informed the members about the discussions held in the 10th and 11th GC regarding conversion of SCGJ from a society to a Section 8 company. In the 10th GC, it was decided to move towards conversion of SCGJ from society to section 8 company. This was further discussed in the 11th GC meeting held today where in the CA of SCGJ mentioned that such a conversion will require approval of General Body and a clarity on how the shareholding may be divided. This was deliberated in detail. NSDC suggested that industry should own the shareholding. Chairman, SCGJ mentioned that the sense of ownership for the industry is important for ensuring the buy- in of a diverse range of skilling interventions. The GC had decided that the issue of Converting SCGJ to a Section 8 Company may be deliberated in the General Body meeting to be held immediately after the this meeting on 24th September, 2020. (11th GC).

9.0 Minutes of the 5th Annual General Meeting

5.07.02 Dr. AK Tripathi, DG, NISE mentioned that SCGJ as an organization may not get the range of benefits from the Government, if it becomes a Section 8 company and so the GC may consider to convert only a part of the organization to Section 8 company. The other half to remain as a Society as it has its own benefits.

5.07.03 Dr. P Kanagavel, Director and Division Head, National Institute of Wind Energy emphasized that it is not a good idea to move from a Society to Section 8 Company now and should examine all aspects of it to work upon only after the economic situation changes positively.

5.07.04 Mr. R K Verma, Secretary, Sai Engineering Foundation, in Himachal Pradesh, mentioned that section 8 companies are also not for profit and can take advantages of government schemes.

5.07.05 Chairman, SCGJ mentioned that in his experience conversion from society to a Section 8 company takes over 5-6 months and compliance obligation significantly increases. He suggested to evaluate the pros and cons of such a conversion in detail in the next 6 months and accordingly discuss & decide on the outcome.

5.07.06 Mr. Sunil Jain, CEO and ED, Hero Future Energies endorsed the view of the Chair and suggested to outline both Pros and Cons with both modalities and decide later. Expressed caution as compliance.

Other observations of Members:

5.07.07 Prof. Arun Kumar, AHEC, IIT Roorkee enquired if there is any way to reduce the establishment cost? It was clarified that establishment cost largely entail rental for office along with manpower cost and SCGJ has been conservative towards those expenses. All efforts are being made to minimize the expenditure. Dr. Saxena reiterated that SCGJ has a dues of over INR 20 Cr from MSDE and the release of pending payments from ministry shall ensure the financial stability of the organization.

5.07.08 Mr. Amar Variawa, Director Marketing and Public Affairs, Vestas enquired on the gender diversity related aspects in renewable energy skilling and if more programs could be designed for female candidates. CEO, SCGJ informed that over the year a lot of aspects on gender equality and women empowerment were incorporated by SCGJ and now almost 18-19% participation of women candidates in vocational trainings are being seen. He mentioned that industry must also support actively to undertake multiple trainings for specifically women candidates across multiple job roles. Requested Industry to support such trainings for 1000-5000 trainings for the specific requirement. Mr. Amar Variawa expressed his keenness to take it forward.

5.07.09 Mr. Anupam Jain, Chairman and MD, Ecoinch / Rationale De Design mentioned that they have also developed a range of e-learning content along with e-learning management system and accordingly would like to collaborate on SEMS. CEO welcomed the idea for better business.

5.07.10 Dr P Kanagavel, Director and Division Head, NIWE mentioned that as gradually “Vayumitra” training courses are planned to be delivered at NIWE, more QPs with a focus on manufacturing and IOT application in wind energy sector might be needed. Dr. Praveen Saxena, CEO, SCGJ highlighted that 8 QPs on wind energy have been developed in collaboration with Vestas and SCGJ will assess if more QPs are required by the industry. He stated that more QPs can be developed as per Industry requirement.

5.07.11 Mr Sunil Jain, CEO and ED, Hero Future Energies suggested to focus more on the switch towards digitization across various basic job roles including solar installation, O&M. He mentioned that in just like every other industry, the solar photovoltaic energy sector stands to benefit from digitalization significantly. CEO assured to incorporate key aspects of digitization in the concerned qualifications.

9.0 Minutes of the 5th Annual General Meeting

5.07.12 Mr. Vijay Saxena, Plant HR Head, Adani Solar Mundra highlighted that trained manpower is also poised to be required for solar manufacturing as a lot of focus on domestic manufacturing is being provided by both the Government and leading companies in solar energy space. He extended help to make courses on Cell & Module manufacturing to fill in the industry requirement.

5.07.13 Mr. Atul Saxena, CEO, Grow diesel Ventures Ltd. stated that Eco-preneurship is the next focus area. He mentioned that Ministry of Petroleum is looking at Bio-CNG as the big area of revolution and several thousand of Bio-CNG Refinery would be established soon.

5.07.14 In his concluding remarks, Mr K. Krishan, Chairman, SCGJ thanked the members for their participation in the meeting and conveyed that that SCGJ shall get over the hump created by the pandemic and continue on the growth path not just in revenue but also in contributing to the green economy of our country. He said that we look forward to the continued support and guidance from the Industry.

The meeting ended with vote of thanks to the Chair.

Dr. Praveen Saxena

Secretary - GC, & CEO
Skill Council for Green Jobs (SCGJ)



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