



SKILL COUNCIL FOR GREEN JOBS
ANNUAL REPORT
2019-2020



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Vision for SCGJ

LOOKING BACK

SCGJ was incorporated (pre-Paris Agreement) to catalyze growth in Green Businesses through skilling and entrepreneurship development, with operations commencing in FY 2016-17. In the initial 2 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 accords prime focus to industry connect, for demand aggregation, definition of job roles & validation of NOS and QP's. SCGJ has, so far, developed 51 QPs along with Model Curriculum and Handbooks. It has established 540 training centers, across 24 states, along with 1810 trainers, 278 Assessors and 4.44 lakhs trainees have been certified by SCGJ.

SCGJ implemented the "Green Businesses" component of SMARTGRAM initiatives (focus on renewable energy interventions and skilling) which were taken up in 50 Villages in Haryana, adopted by former President, Hon'ble late Shri Pranab Mukherjee , with CSR funding support from IREDA & REC.

Team India got Gold Medal in "Water Technology" during the World Skills Competition held at Kazan, Russia in 2019 for which SCGJ was also felicitated by Hon'ble Minister, Skills Development and Entrepreneurship. The award in Water Technology coincided with the launch of Jal Shakti Abhiyan, which has paved way for significant traction in this critical sector.

Renewable Energy sector has been introduced as a skill for competition in the World Skill 2021 and SCGJ looks forward to active participation by its certified Trainees

EVOLVING ROLE

SCGJ is now metamorphosing from primary role of “Skilling & Certification” to “Green Entrepreneurs Development” by implementing a range of activities under program mode. More than 90% of employment/ livelihoods in Green Businesses are created in MSME's and, hence, large number of livelihood opportunities, for SCGJ certified trainees, will be as Green Entrepreneurs, viz as consultants/ value added resellers/sub-contractors to large industry.

As illustration, in the Solar sector, Rooftop Solar & Solar IP Sets (under KUSUM scheme), offer the highest employment potential. To ensure adequate revenue streams, even in rural areas, SCGJ is upgrading its Suryamitra course to Suryamitra+, to enable “Green Entrepreneurs” undertake Business Development activities for other Green Businesses, eg micro grids, biogas plants, solar dryers & chillers, water treatment units, etc.

Similarly in Waste sector, the SCGJ Training programs linked to Swachh Bharat Abhiyan (urban) are being upgraded with added modules for organized “collection & aggregation” of Plastic Waste as well as Used Cooking Oil (for dispatch to approved processing units). Focus is also being given to Swachh Bharat Abhiyan (Rural) for farm waste management, with 4 QPs developed, viz Agri-residue Aggregator, Manure Aggregator, Biomass Depot Operator and Manager-Waste Management. These will act as a key stimulus for implementation of JI-VAN and SATAT programs under National Policy on Biofuels.

Under Jal Shakti Abhiyan, SCGJ has developed 2 QPs as well as Participant Handbook in Waste Water Treatment, which has been used for Training Common ETP operators in Delhi. SCGJ is also developing QPs for RPL of existing STP technicians in “Gated establishments”, to provide multi-trade skills in maintenance of Sewage Treatment Plants (STP's) as well as Rain Water Harvesting (RWH) units, thereby optimizing treated water re-use as well as rain water harvesting.

For PM Awas Yojana/Green Construction, SCGJ proposes to launch targeted training programs to meet skilled manpower requirement under PMAY, which incorporate new concepts of green buildings and sustainable building materials.

LOOKING AHEAD

During the past decade, there has been growing awareness, amongst Corporations, that beyond meeting aspirations of shareholders & employees, they have fundamental commitment to the community at large. This has led to significant growth in ESG investments, which opened up many opportunities for Green Businesses.

However, even larger impact has come from wide spread concerns of citizenry on

Message from the Chairman's desk

environment and climate change issues, in OECD as well as Developing Economies. This has led to Policies at National level as well as UN level, such as UN SDG's and NDC's under Paris Agreement. Recognizing that achievement of SDG's & NDC's cannot be achieved through mandates but needs deep involvement of community and businesses, concept of Green Economy has evolved. Green Economy is defined as an economy that results in improved human well-being and social equity, while significantly reducing environmental and ecological risks. In other words, Green Economy involves embedding social, environmental, and ecological dimensions into business plans and national programs.

This led to "Green New Deal" in USA as well as "European Green Deal". Programs which involve trillions of dollars investments on programs for Decarbonization & Resource Efficiency along with Clean Air & Water, Forest cover & Biodiversity. These programs are intended to catalyse significant economic growth and jobs creation within the implementing nations. To ensure level playing field to local Industry, regarding sustainability, the "European Green Deal" envisages a Carbon Border Adjustment Mechanism on imports.

Indian Prime Minister has repeatedly articulated India's commitment to "Low Carbon, Inclusive & Sustainable Growth path". These are also captured in various Missions as well as in the "Atmanirbhar" vision, supported by Production Linked Incentives coupled with Phased Manufacturing Programs. These will attract investments in Solar & Wind Power Equipment, Energy Storage, EV's, Advanced Biofuels, etc, but will only address supply side issues. To generate demand, there will be need to create enabling eco-system for Sustainable Energy/ Mobility. In addition, to realize the full potential of Green Economy, there is need to focus on sectors of Waste management, Water management, Green Buildings, Sustainable Agriculture/ Animal Husbandry, etc. To catalyse growth in these sectors, largely under MSME's, it's imperative to establish policies and systems, which support "decentralized architecture" for production and consumption of goods & services, especially in rural areas. SCGJ, drawing upon its experiences in the "SMARTGRAM" initiative, intends adopting select Districts, where Industry Members can showcase best practices, thereby enable "Institutionalize Green Economy" and catalyse large scale replication.

ACKNOWLEDGEMENT

SCGJ has achieved its impressive growth due to the unstinted support from its GC members and highly motivated, young, team, inspiringly led by the CEO.

In a world which is going through pandemic induced health & economic crises as well as disruption in business models, SCGJ needs even closer collaboration with its GC & Advisory Board Members, as well as MSME Members and other stakeholder groups. I have no doubt that this will be forthcoming and, in post Covid era, SCGJ will emerge an even stronger entity, expanding its footprint to global markets, especially in collaboration with ISA Members.



TABLE OF CONTENT

	Message from the Chairman's desk	
1	Skill Council for Green Jobs (SCGJ)	7
2	Activities of SCGJ during the Year 2019-20	12
	(a) Regional Centre & Centres of Excellence	14
	(b) Consultancy Projects	14
	(c) Advocacy	18
3	Balance Sheet of SCGJ FY 2019-20	21
4	Functional Details of SCGJ	21
4.1	Standards and Research Group 2019-20	24
	• Major Activities	25
	• Major Achievements during 2019-20	25
	• Occupational Mapping and Skill Gap analysis	25
	• Development of Qualification Packs based on Industry requirement	26
	• Interface with bilateral and multilateral agencies	28
	• SUPRABHA World Bank Training Program	28
	• Comprehensive List of Qualification Packs Developed	29
	• Model curriculum and courseware development	30
	• Co-ordination with universities and collages for NSQF alignment of B.Voc. degree programs	30
4.2	Assessment and Assurance Group 2019-20	32
	• Major Activities	33
	• Major Achievements during 2019-20	33
	• Affiliation of Assessment Agencies	34
	• SCGJ E-Learning Management System (SEMS)	35
	• One Day Workshop on “Prevention on Hazardous Cleaning of Sewer and Septic Tanks”	37
	• Renewable Energy introduced in World Skills 2021	38
	• SCGJ Sector wise job Role wise Certifications	38



TABLE OF CONTENT

4.3	Marketing and Partnerships Group	40
	• Major Responsibilities	41
	• Major Achievements	41
	• Activities during 2019-20	42
	• Marketing and Business Development Activities	42
	• Membership of SCGJ	42
	• MoUs signed with Industry / Institutional Engagement	47
	• "SkillseSmile" Campaign	49
	• RPL 4 - Best in Class Employer (BiCE)	50
	• Competitions conducted by SCGJ	52
	• Portal for online Test Solution for Industry	54
	• Participation of SCGJ in Job Fairs	54
	• Media - Print & Social, Marketing Collaterals	55
	• Newsletters Published during 2019-20	57
5	Brief Description of Qualification Packs	58
6.	Minutes of the 4th Annual General Meeting of SCGJ	84



1. SKILL COUNCIL FOR GREEN JOBS (SCGJ)

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.

SCGJ is a national level organization with a government-industry interface and partnership with stakeholders from industry, labour as well as the academia. Its activities are linked to Skill India Mission, National Solar Mission, Swachh Bharat Mission and Make in India initiative of Government of India. SCGJ is closely interacting with Ministry of New and Renewable Energy, Ministry of Environment, Forest & Climate Change, Ministry of Urban Development, Ministry of Water Resources and Niti Aayog.

SCGJ, incorporated on 1st October 2015, is an autonomous body and registered society launched by the Ministry of Skill Development and Entrepreneurship to supplement the Skill India Mission. The Council is an industry led and industry driven organization which is promoted by the Ministry of New and Renewable Energy and Confederation of Indian Industry. All jobs which are contributing towards sustainable development and for mitigation of climate change are categories as Green Jobs. Accordingly, the Skill Council for Green Jobs has been mandated to address following sectors:



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

SCGJ activities are targeted towards Sustainable Development Goals. The SDGs and targets are integrated and indivisible, global in nature and universally applicable, taking into account different national realities, capacities and levels of development and respecting national policies and priorities. Targets are defined as aspirational and global, with each government setting its own national targets guided by the global level of ambition but taking into account national circumstances. Each government will also decide how these aspirational and global targets should be incorporated in national planning processes, policies and strategies. It is important to recognize the link between sustainable development and other relevant ongoing processes in the economic, social and environmental fields.

MANDATE OF SCGJ: KEY ACTIVITIES



OUR KEY GROWTH DRIVERS



Skill India
कौशल भारत - कुशल भारत

Skill India Mission



United Nations Framework
Convention on Climate Change

INDCs



National Solar Mission



Make in India



Smart Cities Mission



Swachh Bharat Mission



Green India Mission



National Water Mission

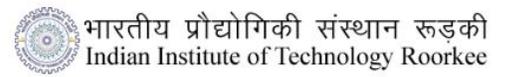
SUSTAINABLE DEVELOPMENT GOALS



GOVERNING COUNCIL

 सत्यमेव जयते	Ministry of Skill Development and Entrepreneurship	 सत्यमेव जयते	Ministry of New and Renewable Energy
 सत्यमेव जयते	Ministry of Power	 सत्यमेव जयते	 National Institute of Solar Energy  National Institute of Wind Energy
 सत्यमेव जयते	Ministry of Social Justice and Empowerment		National Skill Development Corporation

INDUSTRY ASSOCIATIONS IN GC



INDUSTRY IN GC





WorldSkills Competition




INDIA
 Creates history at WorldSkills
 Bags **GOLD** Medal
 in
Water Technologies Skill
 at
WorldSkills Competition
 Kazan, Russia 2019

Founded in 1950, World Skills is 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. 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 picked up from various industries also.

World Skills India is an initiative of the National Skill Development Corporation (NSDC) under the Ministry of Skill Development and Entrepreneurship, Government of India. NSDC, through its World Skills India initiative, has been leading the country's participation at World Skills International competitions since 2011. With this historic triumph, Team India won hearts and set new standards of skilling on the world stage. SCGJ bagged Gold medal for Water Technology Skill at the World Skills Competition 2019 in Kazan, Russia.

Competing with 11 countries, S Aswatha Narayana won Gold medal in Water Technology along with 'Best of Nation' among Indian competitors.

For the World Skills 2021, Renewable Energy has been added as new skill for competition



WorldSkills Competition





2.0 Activities of SCGJ during 2019-20

The scope of Green Jobs cuts horizontally across other industrial sectors. These include adoption of green technology or environment friendly practices for existing industrial processes. This can be characterized either by an environment friendly finished product of that business, or the use of environment friendly processes to develop and deliver the final product or service.

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



SCGJ has identified the skill gaps in the Solar PV, Solar Thermal, Wind, Small Hydro, Clean cooking, Bio mass, waste management, water management Sectors in manufacturing, business development and installation & maintenance. The purpose is to identify manpower requirement for the industry and the type of skill and training they require.



2.0 Activities of SCGJ during 2019-20

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 2019-20	Target	Achievement 31.3.2020
1	Number of states in which the SSC is working with the State Schemes?	15	16
2	Total Number of Personnel added in HQ FY 19-20	1	1
3	GC Meetings Periodicity	4	1+1
4	News Letter	4	4
5	Total Trainers Certified in FY 19-20	1200	856
6	Total Assessors Certified in FY 19-20	250	148
7	Total QPs Rationalized in FY 19-20	0	1
8	New QPs added in FY 19-20	13	5
9	Total Content Created in FY 19-20	8	5
10	Total Trainer Manuals Created in FY 19-20	9	1
11	Total Online Content Created in FY 19-20	4	6
12	Total Exhibitions Participated in FY 19-20	3	4
13	Total Job Melas Participated in FY 19-20	8	9
14	Total Articles Published in Press in FY 19-20	20	22
15	Total Posts on Facebook/ Tweets in FY 19-20	2000	8850
16	Total Industry members added in FY 19-20	50	118
17	Total Number of Jobs Aggregated in FY 19-20	40,000	32000
18	Total Number of Companies Covered in FY 19-20	30	34
19	Total Certifications in PMKVY -2 in FY 19-20-SST	50,000	6,776
20	Total Certifications in PMKVY -2 in FY 19-20-RPL	150,000	3,37,966
21	Total Certifications in PMKVY -2 in FY 19-20- Special projects	2,000	509
22	Total Certifications in other GoI Schemes in FY 19-20	40,000	14,843
23	Total Certifications in State Government Schemes in FY 19-20	10,000	7167
24	Total Certifications in Non- Government Funded Programs in FY 19-20	10,000	1597
25	Skill Gap studies during FY 19-20	1	1
26	Total future job roles developed	8 underdevelopment	



2.0 Activities of SCGJ during 2019-20

Major Achievements of SCGJ during 2019-20 and up to 31.8.2020:

(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.

SCGJ has now 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.

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. GC may give approval to proceed further in this direction.

(b) Consultancy Projects:

Having initiated its core activities, SCGJ has expanded its activities to taking up consultancy projects in the area of Skilling for Green Jobs Sectors.

Following are some of the new assignments initiated by SCGJ during 2019-20:

I. Simultaneous intervention of renewable energy systems and skilling for 5 smart model villages of Haryana adopted by Hon'ble President of India - Project extended to 45 more villages

The Rashtrapati Bhawan initiative to develop Smart Gram Model in five villages namely Daulha, Harchandpur, Alipur, Tajnagar and Rojka Meo selected by Govt. of Haryana has been extended to 45 more villages of the same vicinity. SCGJ, was given the mandate to study the energy and environment patterns of the villages.

SCGJ implemented the "Green Businesses" component of SMART GRAM initiatives (focus on renewable energy interventions and skilling) with CSR support from IREDA & REC.

As part of extension of Smart gram initiative, SCGJ prepared sustainable development plan for these 50 villages selected on peripheral fringes of the existing five villages in five clusters in a range of 5 KM which included providing improved cooking solutions to households and water filter, 10 Urja Shops(2 in each cluster), setting up of 10 Material Recovery Facility(MRF) for solid waste management (2 in each cluster) and 225 E- Rickshaw Entrepreneur(5 per village) along with skilling and training of the manpower to employed for managing these activities. The project is receiving funding from Rural Electrification Corporation Limited(RECL) under their CSR mandate.

- o Installation of aggregate 226 kWp solar rooftop capacity on multiple public buildings
- o Distribution of 13874 nos. of clean cookstove.
- o 1169 nos. of mechanical and 200 RO water purifiers were distributed.
- o 25 entrepreneurs supported for adopting E-rickshaws.
- o Multiple training and capacity building activities were undertaken

Relentless efforts were made to take up activities relating to promotion of E-Rickshaw, setting up of waste management units and urja shops. However, a very limited success was achieved on these activities. In view of COVID situation, no progress could be made during the current financial year. The project has also completed its sanctioned duration on 31st March 2020.



2.0 Activities of SCGJ during 2019-20

II. Short term training of dependents of Safai Karamcharis 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 Karamcharis 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.

During the year 2019-20, NSKFDC has sanctioned short term training of 1000 dependents of safaikaramcharies in solar domain and RPL of 350 safaikaramcharies. Further SCGJ has conducting 132 workshops on “Prevention of Hazardous Cleaning of Sewers and Septic Tanks” as a special assignment from NSKFDC.

III. 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 Program. The World Bank is supporting the Govt's program to generate electricity from the widespread installation of GRPV 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 more than 1500 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.

IV. 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.

A new proposal has been submitted for an assignment to be executed under the project within sanctioned outlay for study entitled “Impact of Skilling & Training on Working of Field/Sanitary Workers under Covid 19 Pandemic”.

V Skill training for Wastewater Treatment Plant Technicians

SCGJ has now entered into wastewater treatment training. As a first step SCGJ conducted Training of Trainers(ToT) on Wastewater Treatment Plant Technician. SCGJ aggregated demand from most of the CETPs in Delhi. There were 10 Trainers from NPC, Wastewater Treatment Plant, operation and maintenance industry certified and registered under Takshashila.

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. The Waste Water trainings were conducted in the month of February and March 2020. The Skill Training was provided to the CETP Staff in order to improve in the following areas:

- Plan, monitor, control and document operational processes.
- Recognise faults in the operational process and measures to eliminate the fault
- Recognise dangers in the operational process and carry out safety measures
- Operate plant and machinery, inspect, service and maintain machines, equipment, piping systems and structural facilities



2.0 Activities of SCGJ during 2019-20

- Recognise the dangers in dealing with electricity; assess faults; and carry out electrical engineering tasks
- Collect and evaluate data and optimize processes
- Monitor and document compliance with legal requirements
- Working in environmental and hygiene-conscious manner.

Skill trainings were also planned for CETPs in Gujarat and STPs in Hardwar which could not be conducted due to the emergence of the Covid 19 pandemic.

IV. Online Training program for Bankers and Solar Entrepreneurs of ISA member countries

International Solar Alliance (ISA), has launched Eight new initiatives on 27th April 2020. In order to mitigate the gap with respect to policy, regulatory, legal, financial and technical aspects in ISA Member Countries, the ISA has launched the 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.

Country wise details are as follows:

Batch I : 21st -25th July, 2020		
Total Number of participants :42		
S.No	Country	Number of participants
1	Sri Lanka	25
2	Kingdom of Tonga	5
3	Fiji	12
(Batch II : 10th -14th August, 2020		
Total Number of participants : 50		
S.No	Country	Number of participants
1	Nigeria	17
2	Gambia	6
3	Namibia	3
4	Mozambique	3
5	Somalia	7
6	Sudan	9
7	Tanzania	5
Batch III: 17th – 21st August, 2020)		
Total Number of participants : 50 (Delivered in Franch)		
S.No	Country	Number of participants
1	Benin	10
2	Comoros	6
3	Togo	10
4	Senegal	14
5	Djibouti	10



2.0 Activities of SCGJ during 2019-20

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

SCGJ participated as a stakeholder in the meetings held for preparation of online skill training course for Common Effluent Treatment Plants and other Wastewater Treatment Plant.

VI. 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.

VII. Future job roles in operations and maintenance of Bio-CNG plants

The study was commissioned by DFID India, 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 organized a webinar on Dissemination of study findings for Future Job Roles in Operations and Maintenance of Bio-CNG plants. A total of 44 participants including sector Experts and industry participated.

VIII Participation of SCGJ in Skill Acquisition and Knowledge Awareness for Livelihood Promotion (SANKALP) project of MSDE.

The Ministry of Skill Development and Entrepreneurship (MSDE), has launched the 'Skills Acquisition for Livelihood Promotion' (SANKALP) programme, which is a World Bank loan assisted project. The project focuses on transforming the overall skilling ecosystem of India covering both Central and State level agencies for improved outcomes for women participation.

SCGJ has developed and submitted a proposal on Gender Sensitization and Prevention of Sexual Harassment (POSH) at the workplace. This would strongly contribute in ensuring that equal roles, responsibilities, opportunities, and expectations are assigned to both men and women. In consortium with M/s kWatt Solution Pvt. Ltd., Pune, SCGJ has also submitted an application with EoI for imparting skill training in non-traditional trades solar lighting technicians and identifying interventions required to make skill training and workforce participation, through either wage employment and/or entrepreneurship more conducive for women



2.0 Activities of SCGJ during 2019-20

(c) Advocacy

- SCGJ participated in the following prominent Skill related and Green Businesses related Events during April 2020 to August, 2020:
- Two day RPL Training on Septic Tank Technician for CFAR employees, 10-11th April 2019
- SCGJ presentation made in 3rd Pacific Grouping Working Lunch, High Commission of the Republic of Fiji - New Delhi, 26 April 2019
- The Decarbonizing Growth Summit, 9th May, 2019 Taj Lands End, Mumbai.
- Focus Group Discussion at IHC, Delhi to discuss various aspects and need of skill and capacity building in the industrial wastewater treatment processes, 21 st May, 2019
- Workshop on Municipal Solid Waste Management: Status, Challenges and Way forward organized by PHD Chamber at PHD house New Delhi, 29 th May 2019
- Breaking Barriers and Building Careers for Women in Sustainability at IHC, New Delhi, 04 th June 2019
- Energy Horizons 2019, CEEW annual meet, Hyate , New Delhi, 18 - 19 July 2019
- CII WINDIA, 07 August 2019, The Lalit, New Delhi.
- CEO Conclave 2019 at Pragati Resort, Hyderabad 26 th August 2019
- 1Virtual meeting on "Online Skill Training course for ETP/CETP/STP operators/technicians" by GIZ on 07th May 2020
- 1Online Panel Discussion with Sector Experts on Enhancing Multi-Hazard Disaster Management in the context of COVID-19 by HCL on 15th June 2020
- Webinar on waste management during Covid-19 pandemic by UNEP on 18th June 2020
- Virtual meeting on Scoping study on "Green Jobs and Eco-entrepreneurship opportunities for women" by UNDP on 23rd June 2020
- Webinar on Launch of India Roadmap on Low Carbon And Sustainable Mobility (Decarbonisation Of Indian Transport Sector) by FICCI on 23 June, 2020
- 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 on 17th July
- Virtual Meeting on Schemes & Issues Pertaining to the Biogas Programme in India by NITI Aayog on 21-July-2020
- Workshop on "Regulations and financing of apprenticeships" by ILO on 23rd July 2020
- Webinar on UK- India Webinar on COVID-19 and Waste Water: Sewage Surveillance for Early Warning by IAESPH on 24th July 2020
- Webinar on "Biogas: Ek Kadam Atmanirbharta ki aur"- on case studies on Biogas as an option to become energy independent by IBA on 25th July 2020
- Workshop on Dissemination Workshop: A study on 'Future Job roles in Operations and Maintenance of Bio-CNG plants in India by DFID on 29th July 2020
- Two Virtual meeting on Task Force on Bioenergy 2020-21 by CII on 17th August 2020
- Virtual conference on Waste Management Technology, Trend & Development on 14th August 2020
- Webinar on MNRE-CEEW Industry Consultation Workshop on Bioenergy- conceptualize India's Bioenergy Mission on 06th August 2020



2.0 Activities of SCGJ during 2019-20



World Sustainable Development Summit held in New Delhi on 29th to 31st Jan 2020



Breaking Barriers and Building Careers for Women in Sustainability organized by CEEW on 04 June'19 at IHC, New Delhi



Balance Sheet

FY 2019-2020



3.0 Balance Sheet of SCGJ during 2019-20

SKILL COUNCIL FOR GREEN JOBS BALANCE SHEET AS AT 31.03.2020

[Amount - Rs.]

CORPUS / CAPITAL FUND AND LIABILITIES	Schedule	31.03.2020	31.03.2019
CORPUS / CAPITAL FUND	1	2,25,78,735	83,59,783
RESERVES AND SURPLUS	2	-	-
EARMARKED / ENDOWMENT FUNDS	3	2,10,35,826	2,56,38,969
SECURED LOANS AND BORROWINGS	4	-	-
UNSECURED LOANS AND BORROWINGS	5	-	16,62,375
DEFERRED CREDIT LIABILITIES	6	-	-
CURRENT LIABILITIES AND PROVISIONS	7	4,84,37,389	1,84,55,455
TOTAL		9,20,51,949	5,41,16,583
ASSETS			
FIXED ASSETS	8	48,19,706	1,03,83,888
INVESTMENTS - FROM EARMARKED / ENDOWMENT FUNDS	9	-	-
INVESTMENTS - OTHER	10	-	-
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	8,72,32,244	4,37,32,696
MISCELLANEOUS EXPENDITURE { to the extent not written off or adjusted }		-	-
TOTAL		9,20,51,949	5,41,16,583
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For V.D. Tiwari & Co.
(FRN: 0028532N)



CA Pushpinder Tiwari
Partner
M.No: 503170

Place: New Delhi
Date:

For SKILL COUNCIL FOR GREEN JOBS

Chairman

Treasurer

Secretary





3.0 Balance Sheet of SCGJ during 2019-20

**SKILL COUNCIL FOR GREEN JOBS
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31.03.2020**

INCOME	Schedule	(Amount - Rs.)	
		01.04.2019 To 31.03.2020	01.04.2018 To 31.03.2019
Income from Sales / Services	12	-	-
Grants / Subsidies	13	-	-
Fees / Subscriptions Received	14	16,56,26,488	7,00,46,748
Income from Investments (Income on Invest. from earmarked/endow. Funds transferred to Funds.)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	11,06,959	6,62,586
Other Income	18	11,84,309	11,88,200
Increase / (decrease) in stock of Finished goods and works-in-progress	19	-	-
TOTAL (A)		16,79,17,756	7,18,97,534
EXPENDITURE			
Establishment Expenses	20	13,99,00,707	5,63,76,706
Other Administrative Expenses etc.	21	75,53,996	64,96,104
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	35,516	25,133
Depreciation (Net Total at the year-end - corresponding to Schedule 8)		62,28,585	68,09,808
		15,37,18,804	6,97,07,751
Excess of Income over Expenditure/(Excess of Expenditure over Income)		1,41,98,952	21,89,783
Transfer to Earmarked/Endowment Funds - Schedule 3		-1,41,98,952	-21,89,783
		-	-
Net Surplus/Deficit		-	-
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For V.D. Tiwari & Co.
(FRN: 002127/N/DELHI)



CA Pushpinder Tiwari
Partner
M.No: 503170

Place: New Delhi
Date:

For SKILL COUNCIL FOR GREEN JOBS

Chairman

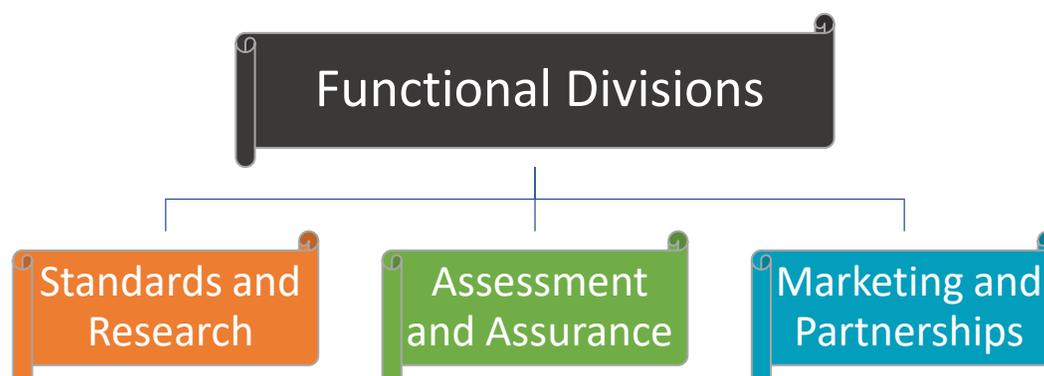
Treasurer

Secretary





4.0 Functional details of SCGJ



Key Performance Areas of each Department:

Standards and Research	Assessment and Assurance	Marketing and Partnerships
<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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 	<ul style="list-style-type: none"> • 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.

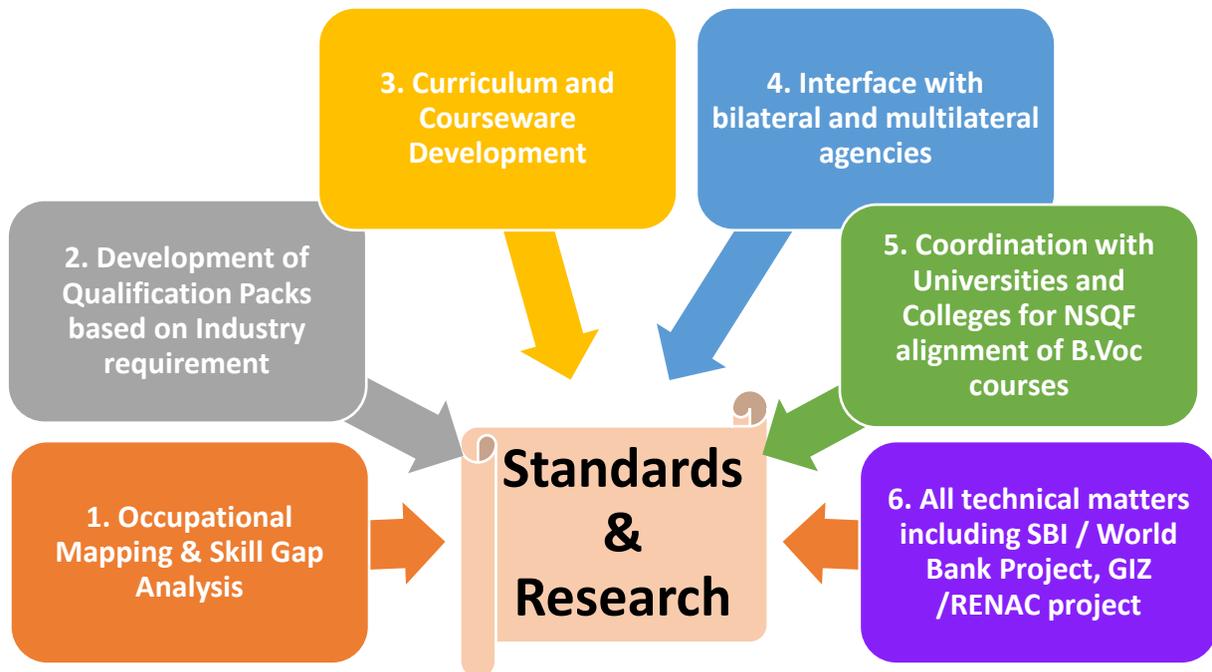


**Standards & Research
Group 2019-2020**



4.1 Standards & Research Group

The Standards and Research is the Technical Wing of Skill Council for Green Jobs the major responsibility and achievements during 2019-20 of Standards and Research group are as follows:



The Standards and Research Group develops 'National Occupational Standards' and 'Qualification Packs' as per the 'National Skills Qualification Framework' (NSQF). Since Qualification Packs are developed based on Job Roles available in the industry, this process involves extensive interface with the Sector specific industry, organizations and experts. The training is delivered in alignment with QP/NOSs developed by SCGJ. The Council has also developed Model Curriculum and Courseware for its Qualification Packs to supplement the training programs.

Major Achievements during 2019-20

(a) Occupational Mapping and Skill Gap Analysis

SCGJ has initiated Occupational Mapping, Skill Gap Analysis and Development of National Occupational Standards in Solar Water pumps, including micro irrigation, micro grids along with bamboo application in green construction.

A meeting of reconstituted NOS committee on Solar was held on 18th February, 2020 in SCGJ with 10 industry members representing some key solar manufacturers, developers and EPC companies to initiate and spearhead the overall revision/rationalization process in the solar PV domain.



4.1 Standards & Research Group

Through a DFID supported assignment, recently a study on “Future Job roles in Operation and Maintenance of Bio CNG Plants” has been carried out 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 suitable training standards and materials would be developed.

Future job roles on Solar PV-Wind Hybrid domain are proposed to be developed by joining hands with DFID and KPMG.

SCGJ has been actively involved in providing technical inputs for Skill Gap studies carried out by Natural Resources Defense Council (NRDC) and Council on Energy, Environment and Water (CEEW). New QPs are also proposed to be developed for new technologies like floating solar to meet the future requirements

SCGJ has been closely working with NSDC and Urban Management Centre (UMC) for Occupational Mapping, Skill Gap Analysis and Development of National Occupational Standards in Faecal Sludge and Sewage Management (FSSM) sector and the study has been complete and based on the study there have been development of Qualification Packs.

SCGJ has jointly carried out the skill gap study and occupational mapping of Industrial Wastewater sector, with GIZ and National Productivity Council (NPC)

(b) Development of Qualification Packs based on Industry requirement

- In house development of 20 Qualification Packs
- Total development of 51 Qualification Packs
- Borrowing of 2 Qualification Packs
- Obtained more than 1380 validations for 51 QPs developed so far.
- Development of 9 video content for delivering trainings across selected solar job roles is currently on going

Solar Photovoltaic

- Ground Mount Solar PV
- Rooftop Solar PV Power Plants
- Solar Off Grid Systems
- Solar PV Module Manufacturing

Solar Thermal

- Domestic water heating system
- Industrial Solar Thermal systems

Wind Power

- Site survey
- Wind power plants
- O&M of wind power plants

Clean Cook Stoves

- Improved Cook Stove

Water Management

- Wastewater Treatment plants

Waste Management

- Solid Waste Mangement



4.1 Standards & Research Group

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 program mode. In this context, the below section summarizes the activities undertaken and envisaged.

So far over 84,000 trainees under the renewable energy domain (largely solar), majority of which are suryamitra have been trained across the country. Various initiatives are also being carried out to map the impacts of Suryamitra programme and identify what new interventions could be carried out to strengthen training delivery and adoption of skilled workforce by the industry. At the same time, a range of upskilling trainings are also being planned and carried out to ensure that skilled manpower in line with the evolving requirement of the industry is readily available.

With a focus on Swachh Bharat Abhiyan (urban), RPL trainings for over 3.59 lakh Safai Karamcharis and Waste pickers have been implemented by SCGJ. SCGJ has been key SSC for imparting trainings to over 10,000 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 been developed. Further Training on these will also inherently support JI-VAN and SATAT programs under National Policy on Biofuels as well as facilitate farm fertility enhancement through Compost (Co-Product of Biogas). SCGJ is also planning to develop specific training modules with a focus on creating new jobs for youth and semi- skilled technicians linked to waste collection, transportation, aggregation at biomass depots & sales to Biomass Depots as well as on Government Financial Assistance & Credit schemes of Banks.

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 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 are also proposed for CETP operators in collaboration with GIZ. 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.

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. SCGJ's focus will be on imparting skills & developing Green Entrepreneurs for productions & sales of Green Construction materials (e.g. bamboo in modern construction).



4.1 Standards & Research Group

(c) Interface with bilateral and multilateral agencies

Consortium Partner for implementation of the World Bank SUPRABHA TA program for Rooftop Solar sector being implemented through SBI.

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 organisational 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 who will undertake upskilling trainings of 50 suryamitra certified candidates on various aspects of solar rooftop installations with a particular focus on PV Port. Nominated Trainers of the participating training institutions will also be prepared for the upskilling trainings with a series of ToTs. Participating training institutions will receive 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 will also receive direct financial assistance from the project budget for the implementation of up to 60 up skilling trainings on a per participant basis.

Jointly carried out the skill gap study and occupational mapping of Industrial Wastewater sector, with GIZ and National Productivity Council (NPC)

Interactions with ISA, DFID, GIZ, SDC, World Bank and GBCI 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 TA Program SCGJ conducted trainings for Bank Officers, Utility Engineers, Entrepreneurs/ Solar Developers and TOTs.

During the Year 2019-20 SCGJ had organized more than 35 training for multiple stakeholders and trained more than 1100 candidates across 17 different states of India. Under the program, so far more than 1500 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.



4.1 Standards & Research Group

(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	7
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 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 Technician (Options: Home lighting system / Street lights)	SGJ/Q0201	4
20	Solar PV Manufacturing Technician	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 (Options: 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



4.1 Standards & Research Group

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

NSQC approved, National Qualifications

SCGJ has 33 QPs which are NSQC approved and have been declared National Qualifications. These Q-Files are 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.

(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. Participation in Advisory Board Committee for curriculum alignment of B.Voc. Programme in Industrial Waste Management at Central University of Haryana. Interaction with Pune University and Tezpur University for incorporating the Green Skills component in their existing course B.Voc. in Renewable Energy Management.



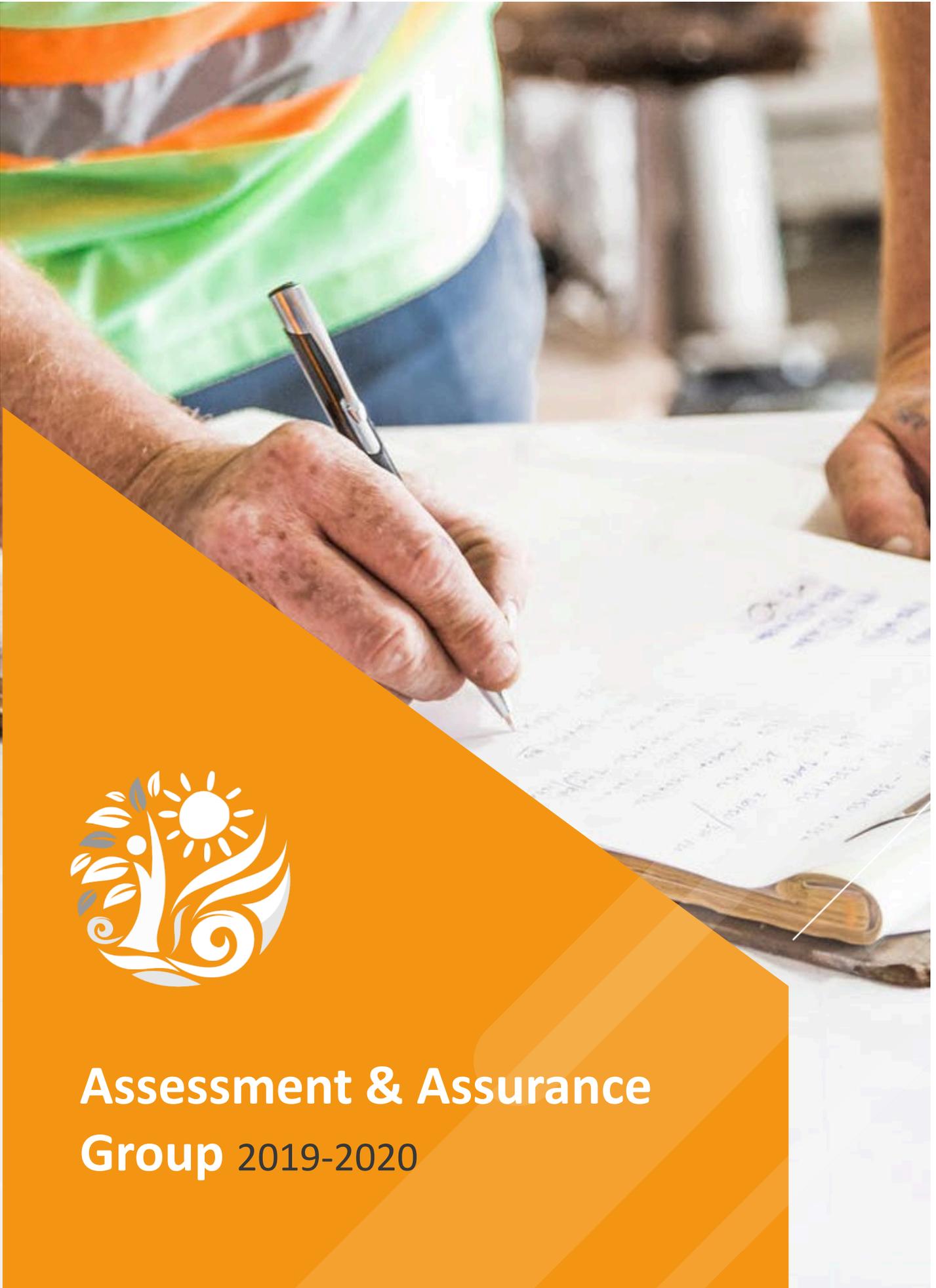
4.1 Standards & Research Group



Focus Group Discussion on 21st May 2019 at IHC, Delhi to discuss various aspects and need of skill and capacity building in the industrial wastewater treatment processes



Training for wastewater treatment plant technicians at Mayapuri New Delhi Feb 2020



Assessment & Assurance
Group 2019-2020



4.2 Assessment & Assurance Group

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



Major Achievements during 2019-20

S.No	Scheme	Candidates During 01.04.2019 - 31.08.2020
1	PMKVY 2.0	6,776
2	PMKVY 2.0 special projects	509
3	PMKVY 2.0 RPL 2 program	76,196
4	Govt Schemes e.g., MNRE, NSKFDC, NULM, NBCFDC etc.	14,843
5	Market mode program	1,597
6	State Govt Funded Programs	7167
7	Conducted TOT	856 Trainers
8	Conducted TOA	148 Assessors

Cumulative Status

- Certified 4.41 lakh Candidates since inception.
- Affiliated 529 Training Centres
- Empanelled 28 Assessments Agencies as per the new SOP issued by NSDC



4.2 Assessment & Assurance Group

Affiliation of Assessment Agencies

NSDC had issued guidelines for Affiliation of Assessment Agencies. Two RFPs, one in February 2019 and another in September 2019 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 wise list of Empanelled Assessments Agencies

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	6	Skill Mantra Edu-tech Consulting India
7	Khwaspuria Advisory Private Limited	7	Virtual Education Trust
8	Aon (CoCubes) Technologies Pvt. Ltd.	8	Ginger Web Pvt. Ltd.
9	Indore Skill Assessment Services Pvt. Ltd.	9	Induslynk Training Services Pvt. Ltd. (Mettl)
10	SP Institute of Workforce Development Pvt. Ltd.	10	Punia (Premia) Consultancy LLP
11	Bluestone Solutions Private Limited	11	Independent Qualitative Assessors Guild Pvt. Ltd. (iQAG)
12	Bhavishya Uday Shiksha Evam Baal Chetna Samiti	12	Prima Competencies Pvt. Ltd.
13	Udichi		
14	Onecrew Services Private Limited		
15	Vedokt Skill & Consulting Pvt. Ltd.		
16	Eduvantage Private Limited		



4.2 Assessment & Assurance Group

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.

SCGJ launches

SCGJ E-learning Management System (SEMS) Portal

15th August, 2020





4.2 Assessment & Assurance Group

Training Partners registered on SEMS as on 31.08.2020

1	Modus Globalray Services LLP
2	Gujarat Institute of Solar Energy (Run by GIM Education Foundation)
3	Acme Enterprises
4	Non-conventional Energy and Rural Development Society
5	Skills Root Edu Tech Consulting India Pvt. Ltd.
6	SLMDS Skill Development Pvt. Ltd.
7	Marcus Projects Pvt. Ltd.
8	NIRT Renewable Energy Private Limited
9	Delhi Institute of Solar Energy & Technology
10	Tamilnadu Advanced Technical Training Institute (TATTI)
11	Ever Green Energy Technologies Private Limited
12	All India Agrasen Technical Education and Research Foundation
13	kWatt Solutions Private Limited
14	Gati Academy
15	Saltlake Institute of Engineering & Management Ltd.
16	Sampoorna Samiti
17	Softtek Institute of Information Technology (SIIT)
18	Kam Avida Enviro Engineers Pvt. Ltd.
19	Saitech Energy Space Systems Pvt. Ltd.
20	Samaj Seva Ek Sankalp Samiti
21	Panacea Education
22	Aspire Disruptive Skill Foundation
23	Innodust Techsolution Private Limited
24	Arbutus Consultants Pvt. Ltd.
25	Youth Rural Development
26	Arravalee Sansthan
27	Hooghly Engineering & Technology College Society Skill Development Centre
28	Gujarat Energy Research and Management Institute
29	Technology Informatics Design Endeavour (TIDE)
30	Institute of Renewable Energy Technology and Management
31	Renewable Energy Centre- Mithradham
32	Sparsh Educational & Health Care Society
33	Beltron Telecom Green Energy Systems Ltd.
34	Francis Institute of Training & Research
35	Mahindra Susten Pvt. Ltd.
36	Society for Education & Environmental Training (SEET)
37	Creative Brains Educational and Welfare Society
38	Rohit Mishra
39	Jain Welfare Trust
40	Manjuma Sunny Consultancy & Training Private Limited
41	Arunika Green Energy Private Limited
42	Sant Mahavir Jain Trust
43	SDM Skills Education
44	Unique Call Solutions Pvt Ltd



4.2 Assessment & Assurance Group

One Day Workshop on “Prevention on Hazardous Cleaning of Sewer and Septic Tanks”

As a part of yearlong celebration of 150th Birth Anniversary of Mahatma Gandhi by the Ministry of Social Justice and Empowerment, it was decided to hold workshops on precautionary measures to be taken for hazardous cleaning of sewers and septic tanks. The workshop were to be conducted for over 200 in big municipalities to sensitise the key stakeholders including the senior officers of municipalities, engineers, sanitation supervisors, contracts etc. The responsibility of conducting 100 workshops including development of workshop content & technical material (PPTs and videos in 5 different languages) was given to Skill Council for Green Jobs. The workshop technical material was reviewed by a committee headed by Secretary, Ministry of Social Justice and Empowerment. The training material was approved and used by 20 training partners of SCGJ spread PAN India. The delivery of workshops was launched on 2nd October, 2018 by Hon'ble Minister Social Justice and Empowerment. The task of 132 workshops is to be completed by 2nd October, 2019. The State wise breakup is as follows:

Sr. No.	State	Number of Workshops Conducted
1	Andhra Pradesh	3
2	Gujarat	6
3	Jammu & Kashmir	38
4	Karnataka	2
5	Madhya Pradesh	6
6	Maharashtra	6
7	Odisha	3
8	Rajasthan	18
9	Tamil Nadu	34
10	Uttar Pradesh	6
11	West Bengal	9
12	West Bengal	1
Total		132





4.2 Assessment & Assurance Group

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.
- **Sept 2021 WorldSkills Shanghai**
- Facilitate training boot camps before national competition & post national competition.
- Facilitate internal screening of candidates at identified institutes /organizations.
- Facilitate in Organising pre-nationals/national competition.
- Arrange for training post nationals.
- Facilitate in selection of final team for participation at World Skills 2021.

SCGJ Sector Wise Job Role Wise Certification			
Sector	Job Role	Job Role wise Certification	Sector Wise Certification
Renewable Energy	Solar Pv Installer (Suryamitra)	66992	84,154
	Solar Pv Installer - Electrical	10509	
	Solar Pv Installer - Civil	1157	
	Solar Lighting Technician Options: Home Lighting System Street Lights	1155	
	Rooftop Solar Photovoltaic Entrepreneur	1122	
	Rooftop Solar Grid Engineer	1119	
	Solar electric System Installer & Service Provider-RNE701	726	
	Solar Proposal Evaluation Specialist	335	
	Improved Cookstove Installer	288	
	Solar PV Project Helper-SGJ/Q0111	250	
	Solar PV Maintenance Technician - Electrical (Ground Mount)	156	
	Solar PV O&M Engineer	70	
	Solar PV Technician-RNE805	65	
	Solar Domestic Water Heater Technician	63	
	Solar Off Grid Entrepreneur	40	
	Solar PV Business Development Executive	40	
	Solar PV Engineer	40	
Solar PV System Installation Engineer	27		
Waste Management	Safai Karamchari	354463	3,59,912
	Waste Picker	4636	
	Wastewater Treatment Plant Technician	702	
	Wastewater Treatment Plant Helper	94	
	Manager- Waste Management	17	
Grand Total		4,44,066	4,44,066



4.2 Assessment & Assurance Group



Participated in the Rajasthan Skills Summit, Dec 2019 – at Jaipur, Rajasthan



Training of Safaikaramcharies organised by SCGJ in various States



Marketing & Partnerships Group 2019-2020



4.3 Marketing & Partnerships Group

Marketing and Partnerships is the Industry, bilateral and multilateral interface wing of Skill Council for Green Jobs. The major responsibilities and achievements during 2019-20 of Marketing & Partnerships Group are as follows:



Major Responsibilities

- 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.
- Memorandum of Understanding (MoUs) with Industry and other Skill Development bodies.
- 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.
- RPL Type 4- Best in Class Employer “BiCE” Certification Program under PMKVY.

Major Achievements

- SCGJ was assigned a total target of 3,08,209 numbers. 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.
- 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 52 skill development related events & exhibitions including Skill Competitions, meetings and Kaushal Melas. Of which online participation in such activities was 37 in numbers.



4.3 Marketing & Partnerships Group

- Organized 2 Governing Council meeting and 1 AGM in the given period.
- Interacted with industry and made 59 industries as Members / SCGJ Associates.
- SCGJ has signed in total MoUs with 49 institutions / industry organizations
- “SkillseSmile” campaign was run with effervescent energy.
- SCGJ featured in Print media 23 times & in Social media SCGJ received 8850 hits.
- MOU with Youth4Work for psychometric evaluation and our sector related pre-assessment tests plus sample papers for self-evaluation by any candidate interested in sectors under SCGJ through our website. This will be available as an Android app also. This app may be utilized by the following:
 - ✓ Industry – May utilize it for psychometric tests and other internal exams.
 - ✓ Candidates / Students – May use it for practice question papers on our various sectors. They may also produce the analytics of their performance in these tests to the organizations they are appearing for the jobs.
 - ✓ Trainers – May utilize it for making their tests and particularly for assessing.

Activities during 2019-20

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, 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 new set of publicity and material for out reach have been developed and printed

(a) Marketing and Business Development Activities

Preparation & printing of Publicity material – Brochures, Standees and Banners

- Branding with a cause involving “TARAGram”, an NGO which secures livelihood through sustainable lifestyle.
- An Audio Video film on Safai Karamchari was developed
- On-line meetings are being conducted.
- SCGJ Newsletters published are 11 in number.
- Fiji is interested to sign an MOU with SCGJ in partnership with regional universities in Fiji to train the villages. We have made our presentation. The MoU has now moved to the Fiji University for their inputs.
- A presentation was also made to all the Hon’ble Consuls and High Commissioners for the Pacific Island Nations including Australia and New Zealand.

(b) Membership of SCGJ

One of the most important activities undertaken by the Marketing and Partnership Group during this period was to broaden the industry base of SCGJ and develop industry associates. Over 400 industry, mainly MSME were contacted and informed about the activities of SCGJ. The group was able to convince 45 new industries to become Associates of SCGJ.

Industry Connect of SCGJ (as on 31/08/2020)	
Governing Council	13
Advisory Board	15
Member	28
Industry Associate	151
Validating Members	217
Total	424



4.3 Marketing & Partnerships Group

Industry Linkages





4.3 Marketing & Partnerships Group





4.3 Marketing & Partnerships Group



Meeting with Mr. David Rowen Head – Global Business Development, Vestas Wind Systems.



SCGJ's presentation to Respected Excellencies, Honorary Consuls and Dignitaries during the 3rd Pacific Group Meet held on 26th April 2019



4.3 Marketing & Partnerships Group



The Ninth Meeting of the Governing Council and 4th Annual General Meeting of Skill Council for Green Jobs was held at 11.30 hours and 12.30 hours respectively on 25th September, 2019 under the Chairmanship of Mr. K. Krishan, Chairman, CVC Bio-refineries Private Limited and Chairman, SCGJ at Maple Room, India Habitat Centre, Lodi Road, New Delhi 110 003.



The Tenth Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.30 am 25th February, 2020 under the Chairmanship of Mr. K. Krishan, Chairman, CVC Bio-refineries Private Limited and Chairman, SCGJ at Board Room, Central Board of Irrigation and Power Building, Malcha Marg, Chanakyapuri, New Delhi 110 021



4.3 Marketing & Partnerships Group

(c) MoUs signed with Industry / Institutional Engagement:

Signing of MoUs with industry and skill agencies was also undertaken. SCGJ has so far signed MoUs / LoAs with 49 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



4.3 Marketing & Partnerships Group

SCGJ's MOUs & Letter of Intent / Agreement (LOI / LOA)

Sr. No	Signed with
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)



4.3 Marketing & Partnerships Group

(d) “SkillseSmile” 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.





4.3 Marketing & Partnerships Group

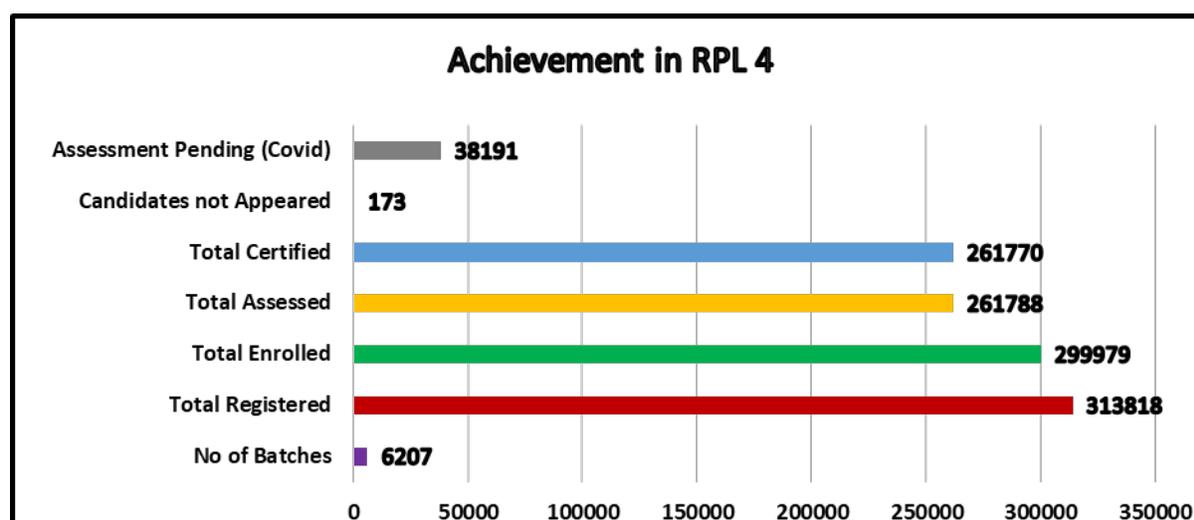
(e) RPL4 - Best in Class Employer (BiCE):

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. SCGJ further increased its target by 73,464 numbers which were further allotted in the 3rd Phase commencing 05.01.2019 and bringing the 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. SCGJ have completed the enrollment of 2,99,979 numbers., assessed 2,61,788 candidates. Due to lockdown for Covid 19 result upload is pending for 38,191 Safai Karamcharis which will be completed subject to assessment (online assessment readiness is there) in the current circumstances.

During the process of assessments, SCGJ has covered 15 States and as many as 399 locations. The candidates and their family were instilled with a feeling of 'dignity of labor'.

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

Phase -wise RPL4 Offline & On-line Numbers				
Sr. No.	Phase	Total 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





4.3 Marketing & Partnerships Group



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



Certificate Distribution ceremony at Majuli Municipal Corporation, Assam for RPL Type 4 - Safai Karamchari



RPL Type 4 - BiCE Orientation at Jammu Municipal Corporation



4.3 Marketing & Partnerships Group

(f) Virtual Drawing Competition on World Environment Day 5th June 2020



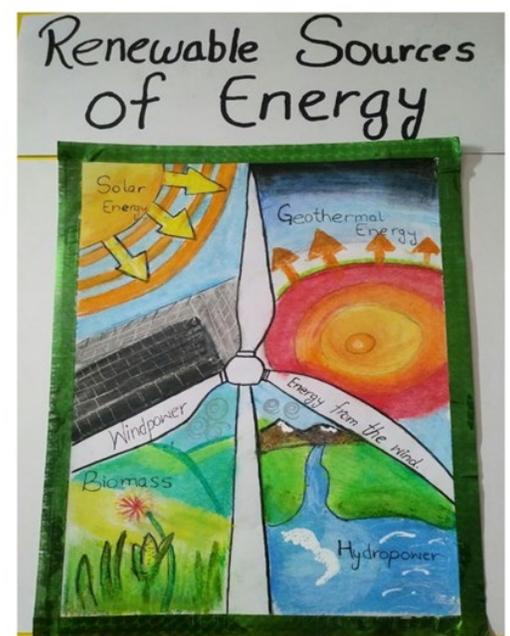
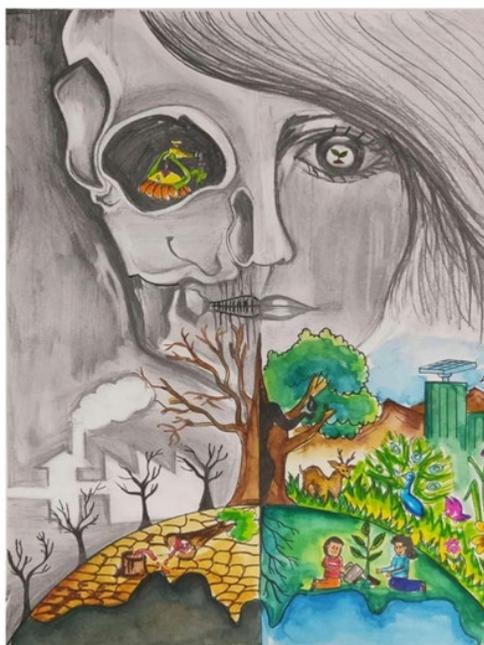
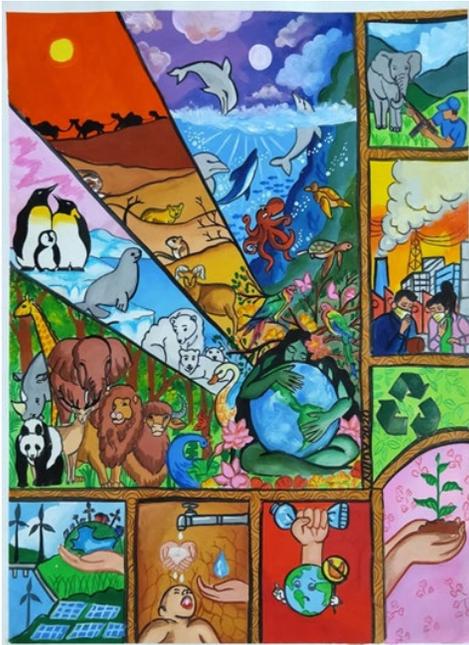
Skill Council for Green Jobs (SCGJ) invited all school students studying in classes 6th to 12th to participate in the first virtual drawing competition held on June 5th at 2:30 PM, covering them in three groups:

- Classes 6th to 8th
- Classes 9th & 10th
- Classes 11th & 12th

A list of 6 topics were given to the candidates to enumerate their skills by drawing on sustainable goals:

- Celebrating Biodiversity
- Circular Economy for better environment
- Conservation of Water
- Environment friendly Smart Cities
- Pedestrian Safety and Sustainable Transportation
- Use of Renewable sources of Energy

A total of 1202 candidates participated in the virtual drawing competition. 50 winners were selected out of these 1202 candidates. They were issued certificates by SCGJ. A list of winning participants is given below:





4.3 Marketing & Partnerships Group

Result of Virtual Drawing Competition - Best 50



Name	State	School	Class
Ankit Das	Delhi	Green Fields School Safdarjung Enclave New Delhi	6 th
Anvi Sood	Delhi	St. Margaret Sr. Sec. School	6 th
Ansika sharma	Delhi	Green Fields School	6 th
Darsh Yadav	Uttar Pradesh	DPS Noida	6 th
Dhruv Agarwal	Madhya Pradesh	Delhi Public School, Neelbad, Bhopal	6 th
Dhruv Kumar	Haryana	RPS International School, Rewari	6 th
Drishti Khanna	Uttar Pradesh	Shirdi Sai Public School	6 th
Eshani Jain	Madhya Pradesh	Delhi Public School, Neelbad, Bhopal	6 th
Riddhi Kashyap	Delhi	Green Fields School	6 th
Ritika	Delhi	Army Public School, Dhaula Kaun, New Delhi	6 th
Sanchit Nayak	Delhi	Green Fields School, Safdarjung Enclave	6 th
Tanishka Bhardwaj	Delhi	Green Fields School	6 th
Anika Sharma	Delhi	Bal Bharati Public School	7 th
Avni Sinha	Uttar Pradesh	Sarvottam International School, Greater Noida	7 th
Kavya Maury	Haryana	Army Public School Hisar Cantt	7 th
Krittin Kumar Dhanna	Madhya Pradesh	DPS Neelbad Bhopal	7 th
Shivika Mathur	Rajasthan	Ryan International School	7 th
Shrey Srivastava	Uttar Pradesh	Seth MR Jaipuria School, Bansal Campus, Lucknow	7 th
Vansh Garg	Delhi	Green Fields School	7 th
Akshita	Madhya Pradesh	St. Mary Convent Sr. Sec. School, Bhopal	8 th
Amrita Sinha	Madhya Pradesh	Carmel Convent BHEL Bhopal	8 th
Anandhu Dinesh	Telangana	Army Public School Golconda	8 th
Apnvi Mall	Uttar Pradesh	The Base Public School, Kusmi, Gorakhpur	8 th
Goldy Varma	Uttar Pradesh	L.D.A.V. Inter College Anupshahar (Bulandshahar)	8 th
Harsh Sangwan	Haryana	Army Public School Hisar	8 th
Himanshu	Delhi	Army Public School Dhaula Kuan	8 th
Palak Khare	Madhya Pradesh	Delhi Public School, Bhopal	8 th
Preety	Haryana	Army Public School Hisar	8 th
Srishti	Delhi	Gyan Bharati School, Saket	8 th
Vidish Dhunna	Delhi	Green Fields School	8 th
Aashirya Bansal	Punjab	Mount Carmel School	9 th
Anant Satya Mohit K.	Madhya Pradesh	Delhi Public School, Bhopal	9 th
Ishaanee Sehgal	Delhi	DPS Mathura Road	9 th
Saarvi Singh	Uttar Pradesh	Presidium	9 th
Shruti	Delhi	Bal Bharati Public School Rohini	9 th
Ankitkumar Jitendrakumar Modi	Gujarat	Vidhyamangal Nivashi Shala	10 th
Divyanshi Lodhi	Madhya Pradesh	Bal Bharati Public School	10 th
Jiya Modi	Gujarat	A.G. High School	10 th
Miti Shah	Gujarat	A.G. High School	10 th
Prasant Kumar	Delhi	Army Public School, Dhaula Kuan, New Delhi	10 th
Pratyush Varshney	Uttar Pradesh	L.D.A.V. Intercollege	10 th
Shakshi Kumari	Bihar	Army Public School, Dhaula Kuan	10 th
Tanawi	Delhi	Army Public School Delhi Cantt	10 th
Atharv Goyal	Madhya Pradesh	Campion School	11 th
Hridhya Nambiar	Gujarat	Delhi Public School	11 th
Parvi Singh	Rajasthan	Kapil Gyan Peeth School	11 th
Chaitya Mayank Sanghavi	Gujarat	A.G. High School	12 th
Deepanshu Jain	Uttar Pradesh	Father Angel School Noida	12 th
Ishita Mishra	Delhi	Holy Child Auxilium School, Vasant Vihar, New Delhi-110057	12 th
Kanchan Shekhawat	Delhi	Govt. Girls Senior Secondary School	12 th
Niloy Das	Tripura	Shishu Niketan Higher Secondary School	12 th
Subita	Delhi	Government Girls Senior Secondary School	12 th



4.3 Marketing & Partnerships Group

Other Activities relating to Marketing

(g) Portal for Online Test Solution for Industry

An Memorandum of Understanding (MOU) was signed with Youth4Work for psychometric evaluation and our sector related pre- assessment tests plus sample papers for self-evaluation by any candidate interested in sectors under SCGJ through our website. This portal will be available on Android mobiles also. This portal may be utilized by the following:

- Industry – to utilize it for psychometric tests and other internal exams.
- Candidates / Students – to use it for practice question papers on our various sectors. They may also produce the analytics of their performance in these tests to the organizations they are appearing for the jobs.
- Trainers – to utilize it for making their tests and particularly for assessing.

(h) Participation of SCGJ in Job Fairs

Rozgar Mela / Job Fair is an activity which aligns itself to the placements of trained & certified candidates in the industry. It is, therefore, important for the Sector Skill Councils to ensure that candidates being trained, are placed and the performance of the training is upgraded in finite terms. For this, Sector Skill Councils can conduct Rozgar Mela / Job Fairs. The Rozgar Mela / Job Fair has the presence of various organizations from the Industry, which would extend employment offers to the candidates who have successfully completed their trainings.

The 'Rozgar Mela / Job Fair' brings skilled candidates in direct contact with recruiters, HR managers, admission officers and advisory bodies/training providers. They are interviewed and issued a letter of intent (LOI) is provided to the selected candidates whereby they could use the opportunity to avail gainful employment.

Apart from these Rozgar Mela / Job Fairs, other placements are done through SCGJ's training partners also.

Gist of Rozgar Melas / Job Fairs 2019-2020		
Total Interviewed	Total Shortlisted	Total Recruited
2023	165	56





4.3 Marketing & Partnerships Group

SCGJ in Print Media

कीर्त साहीब **जलीमद** Daily Evening News - गुवागट 04 जुलाई 2019

रिक्ल इण्डिया के तहत 1848 सफाई कर्मचारियों को मिले प्रमाण पत्र

नगर निगम व ए-टू-जैड कर्मचारियों को दिये जा रही ट्रेनिंग हुई सफल

नगर निगम की सफाई कर्मचारियों को प्रमाण पत्र दिए जा रहे हैं। नगर निगम के प्रमुख अधिकारी डॉ. शिव कुमार ने सफाई कर्मचारियों को प्रमाण पत्र दिए।

1848 सफाई कर्मचारियों को बनाया हाईटैक

अलीगढ़। स्किल्ड इंडिया के तहत प्रधानमंत्री कौशल विकास योजना के तहत गुरुवार को ट्रेनिंग पूरी हो गई। ट्रेनिंग करने वाले नगर निगम और ए-टू-जैड के 1848 सफाई कर्मचारियों को प्रमाण पत्र-स्मृति चिन्ह बांटे गए। स्किल्ड काउंसिल फॉर ग्रीन जॉब एजेंसी के कस्तूर अंजना वाघवा ने कहा कि इस योजना के तहत 2016 से 2020 तक एक करोड़ युवाओं को उद्योग प्रशिक्षण कौशल प्रशिक्षण देगा। नगर निगम सफाई कर्मचारियों को सफाई कार्य में निपुण करने व अधिक से अधिक सुरक्षा उपकरणों का प्रयोग करने के विषय पर जनवरी से अब तक सफाई कर्मचारियों को ट्रेनिंग दी गई। 1848 सफाई कर्मचारियों को ट्रेनिंग देकर उन्हें सफाई कार्य में निपुण बनाया। ट्रेनिंग करने वाले सफाई कर्मचारियों को ट्रेनिंग का पैसा व दो लाख का बीमा का लाभ देने के साथ-साथ ट्रेनिंग

स्किल्ड इंडिया के तहत दी गई ट्रेनिंग

अधिकारी इंद्रजीत सिंह, स्वच्छता निरीक्षक डॉ. रामजीलाल, एमपी सिंह, आरसी सैनी, अनिल अजाद, एसबीएम सहायक धर्मवीर सिंह, मीडिया सहायक अहसान ख, एटूजैड हेड समय सिंह, सफाई कर्मचारी संघ अध्यक्ष प्रदीप भंडारी, महामंत्री राधे धुरी आदि मौजूद रहे।

सफाई कर्मचारियों को किया प्रशिक्षित

नगर निगम के सफाई कर्मचारियों को प्रमाण पत्र दिए जा रहे हैं। नगर निगम के प्रमुख अधिकारी डॉ. शिव कुमार ने सफाई कर्मचारियों को प्रमाण पत्र दिए।

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सफाई कर्मचारियों को मिले 1848 प्रमाण पत्र

अलीगढ़। हरित न्यायलय के अंतर्गत के क्रम में सफाई कर्मचारियों को सफाई कार्य के प्रति निपुण व सुरक्षा उपकरणों के प्रयोग हेतु जागरूक करने के उद्देश्य से विगत पवरी से समय-समय पर दी जा रही है। स्किल्ड इंडिया के अंतर्गत प्रधानमंत्री कौशल विकास योजना के अंतर्गत ट्रेनिंग कार्य पूर्ण हो गया है। ट्रेनिंग प्राप्त करने वाले नगर निगम व एटूजैड के 1848 सफाई कर्मचारियों को प्रमाण पत्र व स्मृति चिन्ह दिये गये। एजेंसी स्किल्ड काउंसिल फॉर ग्रीन जॉब को कस्टमेट अंजना वाघवा ने बताया कि रिक्ल इंडिया के अंतर्गत प्रधानमंत्री

कौशल विकास योजना के अंतर्गत 2016 से 2020 तक 1 करोड़ युवाओं को उद्योग प्रशिक्षण कौशल प्रशिक्षण प्रदान करेगा के क्रम में नगर निगम सफाई कर्मचारियों को सफाई कार्य में पूर्ण रूप से निपुण करने व अधिक से अधिक सुरक्षा उपकरणों का प्रयोग करने के विषय पर जनवरी से समय-समय पर सफाई कर्मचारियों को ट्रेनिंग दी जा रही थी जो पूर्ण हो गयी है। इन्हीं दिनों में 1848 सफाई कर्मचारियों को ट्रेनिंग देकर उन्हें सफाई कार्य में निपुण बनाया गया। नगर स्वास्थ्य अधिकारी डॉ. शिव कुमार ने कहा कि स्वच्छता की प्रथम पायदान सफाई कर्मचारी है और स्वच्छता के सच्चे सिपाही भी यही है। उन्होंने कहा कि इस ट्रेनिंग का मुख्य उद्देश्य सफाई कर्मचारियों को आधुनिकता से जोड़ना है उन्होंने बताया कि भारत सरकार द्वारा सफाई कर्मचारियों को कौशल कामगार बनाकर समाज में योगदान करने के लिये नामित की गयी एजेंसी रिक्ल काउंसिल फॉर ग्रीन जॉब को नामित किया गया जो पिछले कई माह से नगर निगम के सफाई कर्मचारियों को ट्रेनिंग दे रही है। एजेंसी स्किल्ड काउंसिल फॉर ग्रीन जॉब को कस्टमेट अंजना वाघवा ने बताया कि इस ट्रेनिंग में ट्रेनिंग करने वाले सफाई कर्मचारियों को ट्रेनिंग का पैसा व दो लाख का बीमा का लाभ देने के साथ-साथ ट्रेनिंग पक्षात् कौशल सफाई कर्मचारियों को प्रमाण पत्र निपुण किया गया है। इस दौरान नगर आयुक्त सत्य प्रकाश पटेल, नगर स्वास्थ्य अधिकारी डॉ. शिव कुमार, जेनरल सफाई अधिकारी इंद्रजीत सिंह, स्वच्छता निरीक्षक डॉ. रामजीलाल, एमपी सिंह, आरसी सैनी, अनिल अजाद, एसबीएम सहायक धर्मवीर सिंह, मीडिया सहायक अहसान ख, एटूजैड प्लॉट हेड समय सिंह, एजेंसी स्किल्ड काउंसिल फॉर ग्रीन जॉब को कस्टमेट अंजना वाघवा अध्यक्ष सफाई कर्मचारी संघ प्रदीप भंडारी, महामंत्री राधे धुरी सहित हजारों में सफाई कर्मचारियों ने मौजूद रहकर प्रमाण पत्र प्राप्त किये।

ती चर्चा शहर में

बुलाकर भला बुरा कल, मगर पिता अपने पुत्र की करतूत पर पर्दा डालने का प्रयास करता रहा। काफी

समाचार, 6 मई 2019

आस-पास

सफाई कर्मचारियों को दिया प्रमाण पत्र

नगर निगम के सफाई कर्मचारियों को प्रमाण पत्र दिए जा रहे हैं। नगर निगम के प्रमुख अधिकारी डॉ. शिव कुमार ने सफाई कर्मचारियों को प्रमाण पत्र दिए।

150 सफाई कर्मियों को बांटी इंडक्शन किट

कुल्लू, मंडी, विलासपुर, ऊना व शिमला के करीब 2,500 सफाई कर्मचारियों को दी जाएगी ट्रेनिंग

कुल्लू, 29 फरवरी (दिलीप): प्रधानमंत्री कौशल विकास योजना के तहत कुल्लू, विलासपुर, मंडी, शिमला व ऊना में सफाई कर्मचारियों को सलाह बनाने के लिए रिक्ल इंडिया के कार्यक्रम द्वारा 5 दिवसीय कार्यशाला का आयोजन किया जा रहा है, जिसमें स्किल्ड काउंसिल फॉर ग्रीन जॉब के अतिरिक्त

का इस्तेमाल किया तरह से किया जा रहा है, के बारे में प्रैक्टिकल कार्रवाई जा रहा है। इस योजना के तहत टेकेदार के पास काम करने वाले कान्ट्रैक्ट सफाई कर्मचारियों के लिए इस योजना के तहत 3 साल के लिए 2 लाख रुपए तक का दुर्घटना बीमा नि:शुल्क दिया जा रहा है। ऐसे में केंद्र सरकार द्वारा इस योजना के तहत कुल्लू, मंडी, विलासपुर, ऊना व शिमला के करीब 2,500 सफाई कर्मचारियों को ट्रेनिंग देने का लक्ष्य रखा गया है, जिसके तहत सभी कर्मचारियों को एक सर्टीफिकेट के साथ 500 रुपए बैंक खाते में जाले जा रहे हैं।

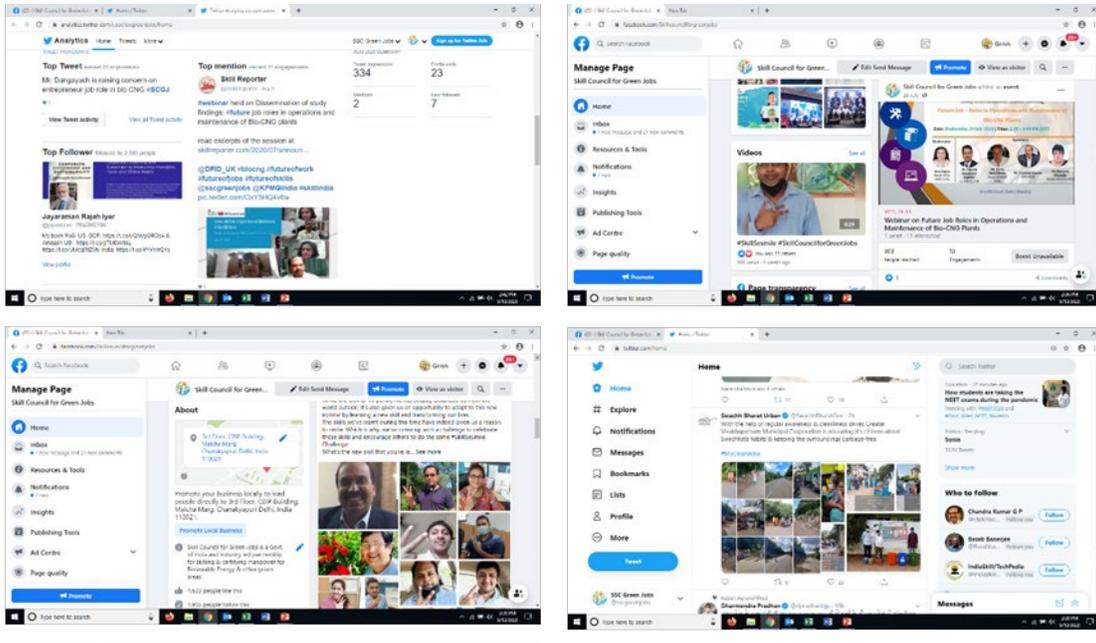
जल संरक्षण को लेकर कैडेट्स ने निकाली रैली

कुल्लू, 29 फरवरी (चूरी): एच.पी. एयर सहायक एन.सी.सी. कुल्लू के कैडेट्स ने शनिवार को रैली निकाल कर जल संरक्षण और वर्षा के जल को संयोजन कर उसका इस्तेमाल करने के लिए लोगों को जागरूक किया। इस रैली में 43 कैडेट्स ने भाग लिया। रैली एन.सी.सी. यूनिट से होकर क्षेत्रीय अस्पताल कुल्लू, वालपुरा बस स्टैंड व कालेज गेट से होकर निकाली गई। इसके बाद कुछ कैडेट्स को गेटेन्स कैडेट कॉर्पोरेशन से फेडेट साजिट में भी गई।



4.3 Marketing & Partnerships Group

SCGJ in Social Media



SCGJ Marketing Collaterals





4.3 Marketing & Partnerships Group

SCGJ Newsletters published during 2019-20

<p>GREEN JOBS NEWS Issue 6</p> <p>GREEN JOBS NEWS April, 2019</p> <p>Eighth GC</p> <p>Sustainable Energy, Circular Economy & Resource Efficiency</p> <p>N. E. Mr Ugendra Tripathy, Director General, International Solar Alliance addressing the gathering and opening the 18th ISA SUN Meet with Ambassadors and Country representatives of ISA countries at Sigmasummit.</p> <p>Marshalling my thoughts on Climate Action & Sustainable Development, brought to mind words of Erich Fromm, which I jotted down over 50 years ago. "We consume, as we produce, without any concrete relatedness to the objects with which we deal; We live in a world of things, and our only connection with them is that we know how to manipulate or to consume them". This renowned social psychologist & humanistic philosopher articulated, to little heed, the adverse impact of unbridled exploitation of resources & degradation of the environment as well as ecological balance, which is now begun manifest itself in our everyday lives. So much so that, today, Climate Change, Renewable Energy, Circular Economy, Resource Efficiency, SDG's have entered into the lexicon of, not only Governments, Businesses and Civil Society, but also citizenry. On one hand encouraging, but, in an era where social media dominates discourse, there is risk that concern gets limited to "lip service" by Policy Makers and Citizen angst being dissipated with "WhatsApp forwards". As observed in IT and Telecommunication Industries, I venture to state that "Centralized Administration Systems" are not conducive for managing "Low Carbon, Sustainable, Inclusive Growth". Science will enable Policy Makers introduce regulatory controls on GHG emissions, Air & Water quality, Solid Waste disposal, etc. Technology innovation will lead to solutions as required for Climate Action & SDG achievement. However, widespread adoption of these solutions is highly unlikely, only based on mandate, within developing economies, where affordability & consumer convenience are paramount needs of population facing multiple deprivation. Hence, Business innovation is equally important, to custom engineer solutions appropriate to local dynamics as well as rapid scale up to attain affordable costs.</p> <p>Eighth Meeting of the Governing Council of Skill Council for Green Jobs</p> <p>The Eighth Meeting of the Governing Council of Skill Council for Green Jobs was held at 11.30 am 25th February, 2019 under the Chairmanship of Mr. K. Krishan, Chairman, CVC Bio-refineries Private Limited and Chairman, SCGJ at Board Room, Central Board of Irrigation and Power Building, Malcha Marg, Chanakyaपुरi, New Delhi 110 021.</p>	<p>GREEN JOBS NEWS Issue 7</p> <p>GREEN JOBS NEWS JULY, 2019</p> <p>International</p> <p>Shri Deepak Gupta, Former Chairman UPSE and Secretary MNRE addressing the CED panel discussion during the solar conference at smart cities expo in New Delhi on 22nd May, 2019</p> <p>Incentivise green businesses based on economic cost of pollution</p> <p>For millenniums, ecological balance was maintained by the nature itself, which was disrupted by the advent of the industrial era. Thereafter, unrestrained growth in industrialization, vehicular transportation, exploitation of natural/ mineral resources and unplanned urbanization disturbed the harmonious relationships between the environment and human beings. This disruption was not immediately manifested, since, for most of the 20th Century, economic progress was limited to the "western economies", constituting a small share of population as well as geographical area. The impact of lasting damage like ozone layer, greenhouse gas emissions and deforestation came into public consciousness towards the end of the 20th Century and lead to UN protocols. However, this coincided with saturation in economic growth in the "developed economies", while large emerging economies were going through their growth phase. Hence, restraints on "developing economies" are perceived, to some extent, as a form of "neo colonialism". Furthermore, even within the "emerging economies", there is lack of congruence as to what represents "sustainable development". For most governments, alleviation of poverty and socioeconomic development takes priority and they tend to "slur over" environment damage, which is rationalized as "small sacrifice for larger good". While there is merit in such school of thought, the costs of environment degradation are so high that an unambiguous approach is required to revive a</p> <p>India Singapore cooperation – Meeting in New Delhi</p> <p>A meeting between Ministry of Education, Government of Singapore and Ministry of Skill Development and Entrepreneurship was held in New Delhi on 6th June, 2019 to discuss possible collaborations in skill Domain. The Singapore delegation was led by Hon'ble Minister of Education Mr. Ong Ye Kung. Hon'ble Minister MSDE, Secretary and other senior officials of MSDE were present.</p>
<p>GREEN JOBS NEWS Issue 8</p> <p>GREEN JOBS NEWS October, 2019</p> <p>4 years of SCGJ- Progress Report</p> <p>From Chairman SCGJ</p> <p>SCGJ has completed about 1000 days and matured in its domain activities by developing 51 QPs, affiliating over 500 training partners in almost all States and regularly conducting training of trainers and assessors. SCGJ sum over moved from about Rs.3.50 crore in 2017-18 to over Rs.7.0 crore in 2018-19 and is expected to touch about Rs.15 crore in 2019-20. Most important is that SCGJ has not only grown in terms of revenue but also in terms of its range of business and projects. SCGJ is moving forward in all the three sectors viz. Renewable Energy, Environment, Forests & Climate change; and sustainable lifestyles and efforts are being made to develop projects around these sectors. SCGJ should now move to program / project mode and give its expertise in implementation and skilling. This would lead to opening for new jobs and outreach of SCGJ would improve.</p> <p>SCGJ is the default partner for skilling of World Bank (SI, G2, DFD, GM, NABARD). It is working very closely with NRDC and CEFW in the skill gap studies. SCGJ has signed MOUs with 44 organizations to support each other's activities.</p> <p>9th GC and 4th AGM of SCGJ</p> <p>The Ninth Meeting of the Governing Council and 4th Annual General Meeting of Skill Council for Green Jobs was held at 11.30 hours and 12.30 hrs. respectively on 25th September, 2019 under the Chairmanship of Mr. K. Krishan, Chairman, CVC Bio-refineries Private Limited and Chairman, SCGJ at Maple Room, India Habitat Centre, Lodi Road, New Delhi 110 003.</p> <p>KOLLURU KRISHAN Chairman SCGJ</p>	<p>GREEN JOBS NEWS Issue 9</p> <p>GREEN JOBS NEWS January, 2020</p> <p>World Skills Kazan 2019 – Gold Medal in Water Technology</p> <p>SCGJ Felicitated by Hon'ble Minister of Skill Development and Entrepreneurship</p> <p>INDIA creates history at the World Skills competition in Russia Skill Council for Green Jobs takes immense pride in congratulating young S Aswatha Narayana, a student of CV Raman college of Engineering, who represented INDIA in Water Technology Skill at the World Skills Competition 2019 in Russia and bagged the "GOLD" Medal for the country.</p>



Qualification Packs developed by SCGJ



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

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	200	<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 pass + ITI / Diploma (Electrical, Electronics)	
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	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

3. Solar PV 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 (Electrical, Electronics, Civil, Mechanical, Fitter, Instrumentation, Welder, 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	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

5. Solar Proposal Evaluation Specialist SGJ/Q0105

QUALIFICATION PACK DETAILS		
NSQF Level	7	Description
Course Duration/ Training Hours	80	After the training, the candidate would be 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.
Trainee Qualification	B.E./B.Tech. /BBA/B.Com. /B.Sc./ C.A. + 2 year of experience in a financial institution/bank /project management/ project evaluation No experience required for MBA / CA	<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>
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	After the training, the candidate would be 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.
Trainee Qualification	Diploma (Electrical, EEE)	
Entry Age (years)	Minimum age: 20	
Trainer Qualification & Experience	M.Tech (Electrical, EEE, Renewable Energy) + 3 years industry experience or B.E./B.Tech (Civil, Electrical, Mechanical, Energy) + 5 years industry experience or Diploma/Graduate (Electrical, EEE) + 6 Years industry experience	<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>



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

7. Solar PV Business Development Executive SGJ/Q0107

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	140	<p>After the training, the candidate would be 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	B.B.A./B.Com./B.Tech.	
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience	B.B.A./B.Com./B.Tech. + 2 years of Business Development experience in solar PV sector	

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 be 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 to 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	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

9. Solar PV Structural Design Engineer SGJ/Q0109

QUALIFICATION PACK DETAILS		
NSQF Level	5	Description
Course Duration/ Training Hours	200	After the training, the candidate would be suitable to work as Solar PV Structural Design Engineer. S/He is specialized in civil and structural design of a rooftop or ground mount solar PV power plant.
Trainee Qualification	Diploma in Civil Engineering/Structural Engineering	S/He will be trained on and will be able to: <ul style="list-style-type: none"> • Prepare the civil and structural design of solar PV power plant • Maintain personal health & safety at solar PV project site • Work effectively with others
Entry Age (years)	Minimum age: 20	
Trainer Qualification & Experience	Diploma in Civil Engineering/Structural Engineering + 5 years of relevant work experience	S/He designs the module mounting structures, foundations for the module mounting structures, inverters and transformers and the complete layout of the solar PV power plant including walkways between the module mounting structures civil/ structural work for the control room, and allied structural works for the rooftop or ground mount solar PV power plant.

10. Solar PV Designer SGJ/Q0110

QUALIFICATION PACK DETAILS		
NSQF Level	7	Description
Course Duration/ Training Hours	200	After the training, the candidate would be suitable to work as Solar PV Designer. S/He is specialized in designing of solar PV power plant.
Trainee Qualification	B. Tech/ B.E. (Solar/ Electrical, Electronics, Civil, Mechanical/ Energy Systems) + 3 years of Solar PV experience or M.Tech (Solar/ Renewables/ Energy Studies) with no experience	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
Entry Age (years)	Minimum age: 25	S/He would be able to review civil and electrical design of the Solar PV power plant & prepare the energy simulation report.
Trainer Qualification & Experience	B. Tech/ B.E. (Solar/ Electrical, Electronics, Civil, Mechanical/ Energy Systems) + 5 Years Solar PV design experience M. Tech (Solar/ Renewables/ Energy Studies) + 2 Years Solar PV design experience	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

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 be suitable to work as Solar PV Project Helper. S/He would be trained to assist 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	5th pass preferably	
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	Diploma (Electrical/Electronics/Civil/Mechanical) or Pre-final engineering and technology candidate with 3 years of formal engineering education	
Entry Age (years)		
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	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

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
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	<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>
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	80	<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. + 6 years of experience in renewable energy/power sector utilities/consulting firms/ PV power plant installation and commissioning or M.Sc. / M.Tech. / MBA + 3 years of experience in renewable energy/power utilities/consulting firms/ 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	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	After the training, the candidate would be suitable to work as Solar PV Maintenance Technician for electrical components in a ground mount power plant.
Trainee Qualification	ITI - Electrical and Electronics	S/He will be trained on and will be able to: <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
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	Graduate + 2 years of experience in Operation and Maintenance of Solar PV power plant	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.

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	After the training, the candidate would be suitable to work as Solar PV Maintenance Technician for civil components in a ground mount power plant.
Trainee Qualification	10th pass preferred	S/He will be trained on and will be able to: <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
Entry Age (years)	Minimum Age:18	
Trainer Qualification & Experience	Graduate + 2 years of experience in Operation and Maintenance of Solar PV power plant	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.



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

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)	



Brief Description of Qualification Packs

SOLAR PHOTOVOLTAICS

19. Solar PV Manufacturing Technician 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 preferably	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	Graduate + 2 years of work experience in a solar PV module manufacturing plant (education qualification can be relaxed in case of extraordinary relevant field experience)	

20. Solar Lighting Technician (Options: Home Lighting System/ Street Lights) SGJ/Q0201

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 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 preferably	
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	



Brief Description of Qualification Packs

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	10th pass + ITI or Diploma in technical education + 1 year of manufacturing solar domestic water heater or 2 years of experience in O&M of solar domestic water heater	

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	



Brief Description of Qualification Packs

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)	<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	

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	



Brief Description of Qualification Packs

IMPROVED COOKSTOVE

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	

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	



Brief Description of Qualification Packs

IMPROVED COOKSTOVE

27. Portable Improved Cookstove Distributor SGJ/Q2105

QUALIFICATION PACK DETAILS		
NSQF Level	6	Description
Course Duration/ Training Hours	80	After the training, the candidate would be suitable to work as Portable Improved Cookstove Distributor.
Trainee Qualification	12th Pass + 2 years of experience in any distribution or similar operations	S/he will be trained on and will be able to: <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
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	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.

WASTE MANAGEMENT

28. Recyclable Waste Collector and Segregator SGJ/Q6101

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	160	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.
Trainee Qualification	5th Pass Preferably	S/He will be trained on and will be able to: <ul style="list-style-type: none"> • Collect Recyclable waste • Segregate Recyclable waste • Maintain health and work safety. • Entrepreneurship
Entry Age (years)	Minimum age: 16	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.
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant industry experience	

WASTE MANAGEMENT

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

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	160 + 40/40 (Optional)	After the training, the candidate would be suitable to work as Safai Karamchari.
Trainee Qualification	5th pass	S/He will be trained on and will be able to: <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
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass + Minimum 2 years of experience in supervising cleaning activity	<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> <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> <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>

30. Waste Picker SGJ/Q6103

QUALIFICATION PACK DETAILS		
NSQF Level	3	Description
Course Duration/ Training Hours	160	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.
Trainee Qualification	5th pass preferably	S/He will be trained on and will be able to: <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
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	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.

BIO MASS/ AGRI RESIDUE

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)	After the training, the candidate would be able to work as animal waste manure aggregator. During the training.
Trainee Qualification	5th pass	S/He will be trained to: <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
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant experience	<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>

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	
Trainer Qualification & Experience	10th Pass + Minimum 2 years of relevant experience	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.

BIO MASS/ AGRI RESIDUE

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	S/He will be trained to: <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	
Trainer Qualification & Experience	12th Pass + Minimum 2 years of relevant experience	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.

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)	After the training, the candidate would be suitable to work as Manager- Waste Management.
Trainee Qualification	Graduate + minimum two years of experience in the field of waste management	S/He will be trained to: <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
Entry Age (years)	Minimum Age: 23	Elective 1: Biomass Depot <ul style="list-style-type: none"> • Specialize in overall operations of biomass depot and associated business
Trainer Qualification & Experience	Graduate + minimum four years of experience in the field of waste management	Elective 2: Compost Yard <ul style="list-style-type: none"> • Specialize overall operations of compost yard and associated business Elective 3: Dry Waste Center <ul style="list-style-type: none"> • Specialize overall operations of dry waste collection center and associated business 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.

E-WASTE & WASTE WATER

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 <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>
Trainee Qualification	Graduate(Preferably in electrical, electronics, environment or chemical discipline)	
Entry Age (years)	Minimum age: 21	
Trainer Qualification & Experience	Graduation with two years of experience in relevant waste management organisation or similar occupation	

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 Pass, 10th Pass + ITI/Diploma, 8th pass + 4 years of experience as Wastewater Treatment Plant Helper	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI /Diploma + 3 years of relevant industry experience or B.Tech. + 2 Years of relevant industry experience or Certified Wastewater Treatment Plant technician + 2 years of relevant experience (education qualification can be relaxed in case of extraordinary relevant experience)	

WASTE WATER & SEPTIC TANK

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	8th pass	
Entry Age (years)	Minimum age: 18	
Trainer Qualification & Experience	ITI /Diploma + 3 years of relevant industry experience or B.Tech. + 2 Years of relevant industry experience or Certified Wastewater Treatment Plant technician + 2 years of relevant experience (education qualification can be relaxed in case of extraordinary relevant field 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	

FECAL SLUDGE

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	

WIND ENERGY

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

QUALIFICATION PACK DETAILS

NSQF Level	4	Description
Course Duration/ Training Hours	200	After the training, the candidate would be suitable to work as Assistant Planning Engineer – Wind Power Plant.
Trainee Qualification	ITI / Diploma (Electrical, Mechanical, Civil)	S/He will be trained to: <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
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	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.

42. Site Surveyor-Wind Power Plant SGJ/Q1202

QUALIFICATION PACK DETAILS

NSQF Level	6	Description
Course Duration/ Training Hours	120	After the training, the candidate would be suitable to work as Site Surveyor - Wind Power Plant.
Trainee Qualification	B.E. / B. Tech. (Electrical/ Mechanical/ Civil/ Electronics and Communication / Electrical and Electronics/ Control & Instrumentation)	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
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	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.

WIND ENERGY

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

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 (Mechanical) - Wind Power Plant.</p> <p>S/He will be trained to:</p> <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 <p>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.</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	

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	

WIND ENERGY

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	<p>Description</p> <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>
Course Duration/ Training Hours	160+ 40/40 (Optional)	
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	

46. CMS Engineer- Wind Power Plant SGJ/Q1501

QUALIFICATION PACK DETAILS		
NSQF Level	5	<p>Description</p> <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>
Course Duration/ Training Hours	200	
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)	

WIND ENERGY

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	After the training, the candidate would be suitable to work as O&M Mechanical Technician –Wind Power Plant.
Trainee Qualification	12th pass preferably	S/He will be trained to: <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
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	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.

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

QUALIFICATION PACK DETAILS		
NSQF Level	4	Description
Course Duration/ Training Hours	200	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.
Trainee Qualification	12th pass preferably	S/He will be trained to: <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
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	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.

Paper Bag

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	



SKILL COUNCIL FOR GREEN JOBS

Minutes of the 4th

Annual General Meeting

Held on 25th September, 2019

Skill Council for Green Jobs

Minutes of the Fourth Annual General Meeting

The Fourth Annual General Meeting of the Skill Council for Green Jobs was held at 12.30 pm on 25th September, 2019 under the Chairmanship of Mr. K. Krishan, Chairman, CVC Biorefineries Private Limited and Chairman, SCGJ at Maple Room, India Habitat Centre, Lodi Road, New Delhi 110 003.

2. Following were present in the Meeting:

Following were present in the Meeting:

1. **Mr K. Krishan, Chairman, CVC Biorefineries Private Limited ---- in Chair**
2. Dr. P.C..Panth, Director. Ministry of New and Renewable Energy
3. Dr. Vasanta V. Thakur, Scientist D, Ministry of New and Renewable Energy
4. Dr. A.K.Tripathi, Director General, National Institute of Solar Energy
5. Dr. P Kanagavel, Director, National Institute of Wind Energy
6. Prof. Arun Kumar, Chair RE, IIT , Roorkee (on audio call)
7. Maj. Ashish Trivedi, Confederation of Indian Industry
8. Mr Ravi Permeshwarm , Renew Power
9. Mr. Sudhir Aggarwal, Exe. Director, Patanjali Renewable
10. Mr. Amar Variawa, Director – Marketing, Vestas Wind Technology
11. Dr. P. Sreenivasan, Indian Renewable Energy Development Agency
12. Ms. Preeti Chaudhary, Jakson Ltd.
13. Ms.Niharika Jaiswal, IEEMA
14. Ms. Anita Gupta, IEEMA
15. Mr. Abhinav Mahajan, Director, Integrated Batteries
16. Ms. Akanksha Chaurey, CEO, IT Power India
17. Mr Sanjeet Singh, SSTPL Delhi
18. Mr. Nitesh Kumar, SSTPL, Delhi
19. Dr. P. Saxena, CEO, Skill Council for Green Jobs ----- Member Secretary

Also present:

1. Dr (Mrs.) P. Dhamija, Advisor – Biomass and Sustainable Livelihoods, SCGJ
2. Mr. Manoranjan Hota, Advisor
3. Ms Sangeeta Patra, Head – Marketing and Partnerships, SCGJ
4. Mr Arpit Sharma, Head – Assessment and Assurance, SCGJ
5. Mr Tanmay Bishnoi, Head – Standards and Research, SCGJ
6. Mr Pushpender Tiwari – Statutory Auditor, SCGJ

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

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. He briefly captured the activities of SCGJ during the year 2018-19. He mentioned that SCGJ, a new Sector Skills Council in nascent areas of Green Businesses, matured in its domain activities rapidly by developing 51 QPs, affiliating over 500 training partners in almost all States and regularly conducting training of trainers and assessors. SCGJ turn over moved from about Rs.3.50 crore in 2017-18 to over Rs.7.0 crore in 2018-19 and is expected to touch about Rs.15 crore in 2019-20. Such exponential growth is likely to sustain.
1. The Chairman mentioned that SCGJ is moving forward in all the three sectors viz. Renewable Energy; Environment, Forests & Climate change; and sustainable Lifestyles and efforts are being made to develop projects around these sectors. He also mentioned that SCGJ should now move to program / project mode and give its expertise in implementation and skilling. This would lead to opening for new jobs and outreach of SCGJ would improve.
1. Referring to its activities, the Chairman mentioned that a major impact of meeting skilled and trained manpower has been made in the solar domain and in the urban waste management sector. Considering the focus of the Government on effective management of water and waste water, SCGJ should also undertake a larger program on water. He mentioned that SCGJ through C.V.Raman institute of Bhubaneswar and NSDC participated in World Skill Completion in Kazan Russia, and got the first ever Gold medal for India. The GC members congratulated SCGJ for this achievement.
1. Mr. K.Krishan, Chairman informed the members that SCGJ is the default partner for skilling of World Bank /SBI , GIZ, DFID, GMI, NABARD. It is working very closely with NRDC and CEEW in the skill gap studies. SCGJ is on the Steering Committee of Power for All, an advocacy group for promotion of distributed renewable energy DRE. SCGJ has signed MOUs with 44 organizations to support each other's activities.
1. The Chairman informed the members that SCGJ has expanded its GC and among the new GC members are Dr. A.K.Tripathi, Director General, National Institute of Solar Energy, Mr. K.Narayan MD, NSKFDC, NSCDFC and NBCFDC; Mr. Sudhir Aggarwal, Exe. Director, Patanjali Renewable, Mr. Abhinav Mahajan, Director, Integrated Batteries and Mr Kacho Ahmad Khan, CEO Kargil Renewable Energy Development Agency. He requested members to suggest some other names for including in GC and other committees of SCGJ.
1. The Chairman requested Dr. Saxena, Secretary and CEO, SCGJ to take up agenda for the meeting.

Agenda Item 4.01

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

- 4.01.01 The Chairman was requested to grant leave of absence to the members not present in the meeting.
- 4.01.02 The Chairman granted leave of absence to all members not present in the Annual General Meeting.**

Agenda Item 4.02

Presentation of Minutes of the Third Annual General Meeting of SCGJ held on 14th September, 2018

4.02.01 Minutes of the Third Annual General Meeting of SCGJ held on 14th September, 2017 were circulated to all the members. It was informed that no comments were received. The minutes were presented before the Members of General Body.

4.02.02 The General Body members noted the Minutes of Third Annual General Meeting were approved.

Agenda Item 4.03**Action Taken Report on the decisions of the Third Annual General Meeting of SCGJ**

4.03.01 The General Body noted action taken / present position on the decisions taken in the Third Annual General Meeting.

Agenda Item 4.04**Presentation of Activities of SCGJ during 2018-19**

4.04.01 Dr. P. Saxena, CEO Skill Council for Green Jobs made a presentation before GB on the activities of SCGJ during the year 2018-19 and in the first quarter of the year 2019-20. He briefly outlined the mandate of SCGJ in creating skilled manpower and a large number of entrepreneurs across its 14 sub-sectors. The members were informed that SCGJ had studied the market requirement of all sectors and identified Qualification Packs for development.

4.04.02 CEO outlined the major activities of SCGJ in last one year. Informing about other activities during 2018-19 and up to August, 2019, CEO mentioned that the 2 centers of excellence, GERMI, Ahmedabad (Western Region) and SEACOM University, Kolkata are functioning as regional focal points and helping promotion of SCGJ activities including undertaking TOT and TOA. A new COE has been added during the year focusing on Sustainable Development activities. GERMI and SEACOM University is activity participating in the content development of new solar QPs.

4.04.03 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. The training and upskilling Safai Karamchari under Recognition of Prior Learning (RPL) programme. During the year 2018-19, NSKFDC has sanctioned RPL trainings of 5000 safaikaramcharies and 3000 waste pickers. The implementation of this project started with the help of TPs of SCGJ from 2nd October, 2018 and all the trainings have been completed. Further SCGJ is also conducting 241 workshops on "Prevention of Hazardous Cleaning of Sewers and Septic Tanks" as a special assignment from NSKFDC. All this activity is an integral part of activities envisaged in the 150th birth anniversary of Mahatma Gandhi.

4.04.04 The members were informed that SCGJ is the capacity building and skill development partner under The World Bank Grid connected Rooftop Solar PV Technical Assistance Program. The World Bank is supporting the GoI's program to generate electricity from the widespread installation of GRPV by lending \$625 million to State Bank of India. The Capacity building activity of the project is implemented by SCGJ is progressing as per schedule.

4.04.05 The members were informed that SCGJ has developed 4 Qualification Packs(QPs) for various job roles related to collection, aggregation and utilization of farm waste like animal dung and agro residue as per NSQ alignment. Further, SCGJ has developed QPs for Septic Tank Technician, Desludging Operator, Faecal Sludge Treatment Plant O&M Technician and Paper Bag Technician. SCGJ is also working with NSDC to include component of sustainable development in every possible job role.

A detailed activity out line of SCGJ activities were presented by CEO SCGJ through PPT.

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

Agenda Item 4.05**To receive, consider and adopt the Annual Report and audited financial statements for the Financial Year ending 31.03.2019**

4.05.01 Dr. Saxena, CEO, SCGJ presented important activities of Skill Council for Green Jobs during its fourth year of operation (2018-19) in its Annual Report. The Annual report was placed in the meeting. This was summarized as follows:

- Total 49 Qualification Packs (including 19 in-house) have been developed across various sub-sectors.
- Over 1350 industry validations for these QPs has been received
- 49 Model Curriculum has been developed for all approved QPs of SCGJ.
- SCGJ is coordinating with Universities and Colleges for NSQF alignment of B. Voc. degree programs. It has participated in Advisory Board Committee for curriculum alignment of B.Voc.
- SCGJ has regularly participated in the training programs organized by the NISE, MNRE; GERMI, USAID and CBIP Centre of Excellence. It is working with IIT Bombay for rural livelihood project on decentralized solar energy solutions, for skill development, assessment and certification of the beneficiaries under the project.
- Participation in Advisory Board Committee for curriculum alignment of B.Voc. Programme in Industrial Waste Management at Central University of Haryana.
- Trained and Certified 9,171 Candidates under PMKVY 2.0
- Trained and Certified 14,270 Candidates under other Govt Schemes e.g., MNRE,NSKFDC,NULM , NBCFDC etc
- Trained and Certified 2140 Candidates under Paid Programs
- Trained and Certified 1869 Candidates under State Govt Funded Programs
- Conducted TOT of 169 Trainers

Cumulative Status

- Trained and Certified 81,529 Candidates since inception.
- Affiliated 529 Training Centres
- Empanelled 24 Assessments Agencies
- In the first phase of RPL Type 4 “BiCE” program SCGJ scored number 1 rank first out of 35 SSCs by completing the certification for all the 72,514 numbers allotted to us in Phase I.
- 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 43 skill development related events & exhibitions including Skill Competitions and Kaushal Melas
- SCGJ website is being made more dynamic

Organized 1 Governing Council meeting in the given period.

- Interacted with industry and made 6+12=18 industries as Members / SCGJ Associates.
- SCGJ has signed in total MoUs with 44 institutions / industry organizations

4.05.02 The General Body received, considered and adopted the Annual Report and audited financial statements for the Financial Year ending 31.03.2019, 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 4.06

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

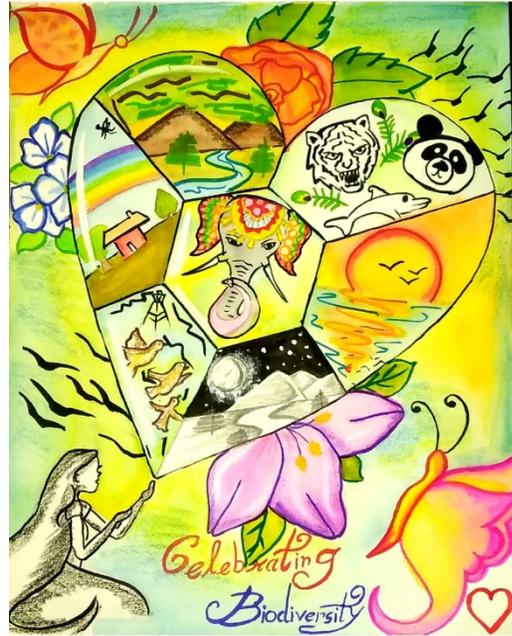
4.06.01 The General Body Members were informed that M/s V.D. Tiwari & Co., Chartered Accountant, Delhi (Firm Registration No. 002882N) were appointed by the SCGJ as Statutory Auditors for the Year 2018-19 with the approval of General Body. Dr. Saxena informed the Members that the services of M/s V.D. Tiwari and Co. had been found satisfactory and proposed to continue their services.

4.06.02 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.”

The meeting ended with vote of thanks to the Chair.

(Dr. P. Saxena)
Secretary
GC, SCGJ



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