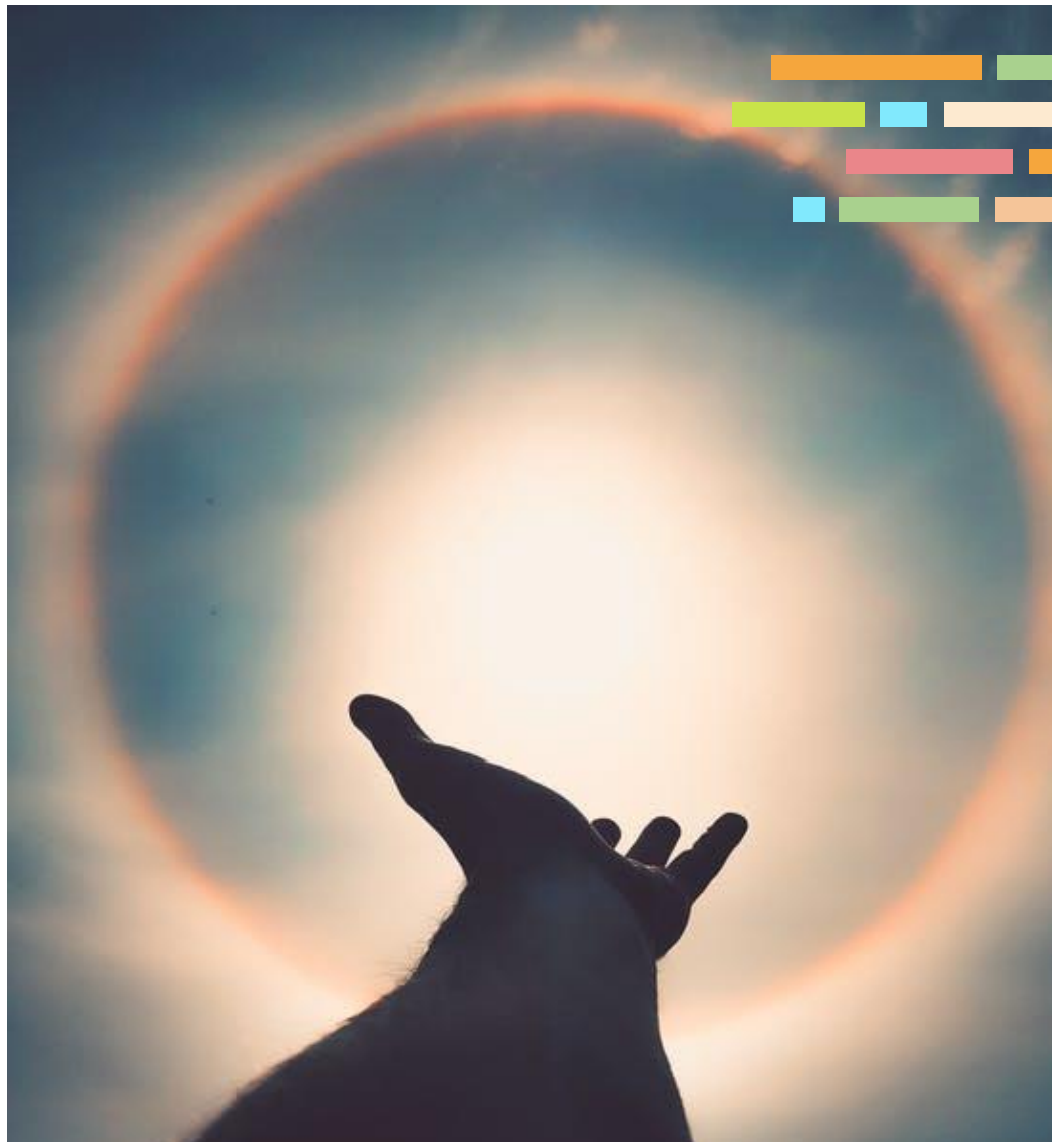


# GREEN JOBS NEWSLETTER

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## Highlights

10<sup>th</sup> Governing Council Meet

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### Glimpse

RPL 2 training

RPL 4 training

World Bank SUPRABHA TA Programme

# Suryamitra to Suryamitra+

## 10<sup>th</sup> Governing Council Meet

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 .

Chairman mentioned that SCGJ was incorporated (Pre-Paris Commitment) to catalyze growth in green business through skilling and entrepreneurship development. In last 4 years, SCGJ focus has largely been on sectors aligned with National Solar Mission & Swachh Bharat Abhiyan. Now, efforts are being extended to other flagship programs of the Government including Jal Shakti Abhiyan, JI-VAN & SATAT, Zero Plastic Pollution, etc. He briefly highlighted on the growing industry connect, validations obtained by the industry and the development of 51 QPs (across solar PV/thermal, wind, biomass and waste management)

He mentioned that a total of 540 training centers across 24 states along with 1810 trainers, 278 Assessors and approx. 2.97 lakhs trainees have been certified by SCGJ. He mentioned that growth in SCGJ earnings have been self-sustaining with INR 13.31 Cr of revenue in FY 2019-20 (by 31st Jan 2020).

### Solar irrigation pump program

Chairman emphasized that SCGJ should now metamorphosing its role from “Skilling & Certification” to “Green Entrepreneurs Development” by implementing a range of activities under program mode. He iterated that more than 90% of employment/ livelihoods in Green Businesses are created in MSME’s and so the certified trainees would function as qualified consultants/ value added resellers/ sub-contractors to large Industry. He mentioned that in solar sector, mainly solar Rooftop & solar irrigation pump program (KUSUM), offers highest employment potential across the county. KUSUM program also provides an opportunity to expand Suryamitra to Suryamitra+, with a focus on developing green entrepreneurs who have expertise on a range of decentralized energy technologies/applications in rural areas including mini grids, biogas, solar dryers, chillers etc. Targeted capacity building for rural youth will be crucial to provide rural economies with new sources of revenue, employment and business opportunities, and access to affordable energy.

### Waste Aggregation

For Swachh Bharat Abhiyan (urban), he highlighted that RPL for 2.27 lakh Safai Karamcharis and Waste pickers have been implemented.

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, he mentioned that Four QPs namely Agri-residue Aggregator, Manure Aggregator, Biomass Depot Operator and Manager-Waste Management have been developed. 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 will also 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.

### Jal Shakti Abhiyan

Under Jal Shakti Abhiyan, SCGJ has developed 2 QPs for Plant Technician/ Helper as well as Participant Handbook in Waste Water Treatment and accordingly multiple trainings for CETP operators in Delhi are being undertaken. SCGJ is also developing 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.

## 10<sup>th</sup> Governing Council Meet

### Green Construction

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. SCGJ focus will be on imparting skills & developing Green Entrepreneurs for productions & sales of Green Construction materials.



SCGJ now moving to provide multiple Business skills to Green Entrepreneurs & multi Trade skills to their staff, so as to enhance earning opportunities.



## Annual Performance of SCGJ 2019-20

SCGJ, during 2019-20, has been actively working towards achieving all ABP targets. SCGJ has fulfilled all infrastructural requirements and Governance methodology. During 2019-20, 657 trainers against a target of 1200 have been certified. The process of affiliating Assessment Agencies was initiated and completed during the year as per NSDC guidelines. Major focus of SCGJ during 2019-20 has been on RPL training and certification. As part of RPL 4, certification to 1,95,902 candidates have been achieved against a target of 1,50,000.

### Centre of excellence

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 having 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.

### Centre of excellence

SCGJ has expanded its activities to taking up consultancy projects in the area of Skilling for Green Jobs Sectors. As part of extension of Smart gram initiative, SCGJ prepared sustainable development plan for 50 villages selected on peripheral fringes of the five villages in five clusters in a range of 5 KM which included providing improved cook stoves to every households and mechanical 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. After completing the base line study, implementation of the project has started. About 10,200 Induction Stoves, 19 mechanical water purifiers and 100 ROs 20 water purifiers have been distributed in the villages.

Under Smartgram, SCGJ installed 226 KWp rooftop solar power plant at 68 public buildings. The villages were visited by a team from REC and are very much satisfied by the progress.

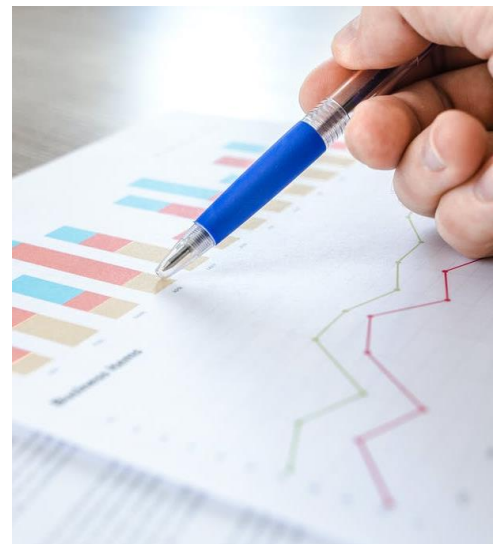
### HCL- CSR Project

During the year 2019-20, HCL Foundation, NOIDA has sanctioned RPL training of 4000 safai karamcharies of Noida Authority. SCGJ has delivered training to 3,425 candidates with the help of its training partners.

The training was conducted at 3 locations in NOIDA. In order to roll out this skill development program in industries, a focus group discussion was held on 19th December, 2019 to discuss how to augment the skill for capacity building in the plastic recycling processes. The meeting deliberated on the sector issues, value chain, occupational maps and most critical job roles relating to plastic waste management.

SCGJ had fixed a target of making 13 new QPs during the year. 5 new QPs were made during the year, taking the cumulative number to 49 QPs.

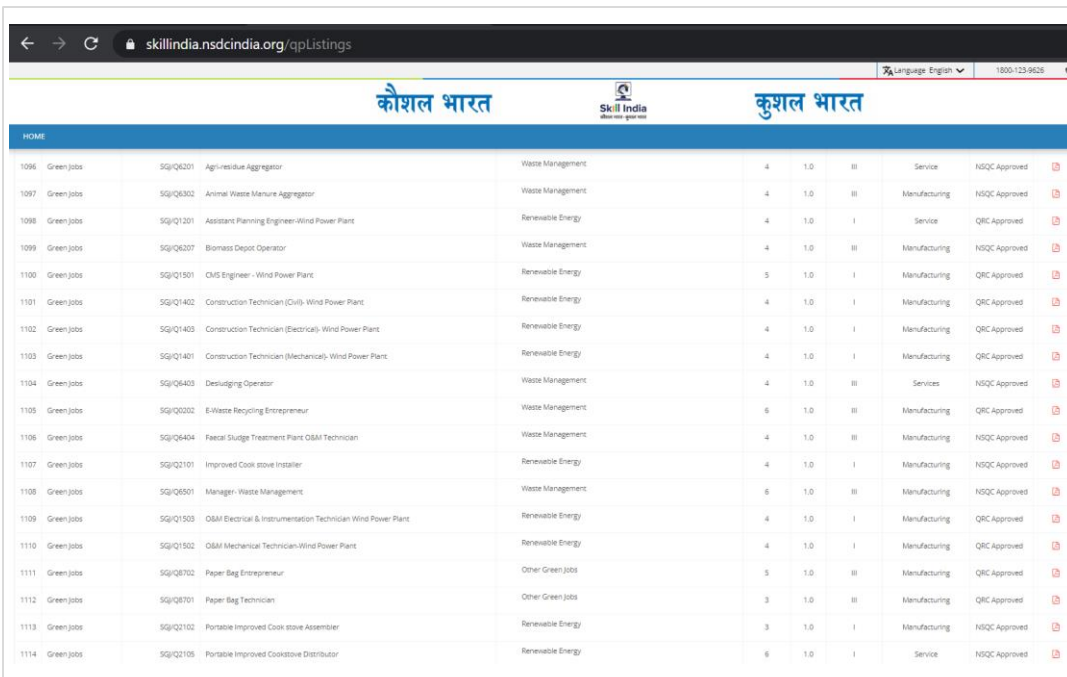
The main focus of training was on RPL trainings. Against a target of RPL training of 1,50,000 candidates on various job roles, 1,95,902 candidates have been certified. Discussing about placements of certified candidates, it was mentioned that while placements are quite good in the solar sector, it is becoming difficult to collect this information as the training institutions are unable to track placed candidates.



## NOS & QPs developed FY 2019-20

The Targets and Achievements of the Standards and Research Group was presented before the Governing Council. The GC was informed about the activities taken up by the Group, including development of a total of 49 Qualification Packs and adoption of 2 QPs in various sub-sectors. It was informed that over 1350 industry validations were obtained for these QPs. 31

QPs have been approved by NSDC and can now be utilized for imparting training. 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). SCGJ was 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 three QPs have been developed and approved by NSQC.



Sl. No.	Green Jobs	Code	Job Title	Sub-Sector	Level	Duration	Mode	Approval
1096	Green Jobs	SG/Q6201	Agri-residue Aggregator	Waste Management	4	1.0	III	Service NSQC Approved
1097	Green Jobs	SG/Q6302	Animal Waste Manure Aggregator	Waste Management	4	1.0	III	Manufacturing NSQC Approved
1098	Green Jobs	SG/Q1201	Assistant Planning Engineer-Wind Power Plant	Renewable Energy	4	1.0	I	Service QRC Approved
1099	Green Jobs	SG/Q6207	Biomass Depot Operator	Waste Management	4	1.0	III	Manufacturing NSQC Approved
1100	Green Jobs	SG/Q1501	O&S Engineer - Wind Power Plant	Renewable Energy	5	1.0	I	Manufacturing QRC Approved
1101	Green Jobs	SG/Q1402	Construction Technician (Civil)- Wind Power Plant	Renewable Energy	4	1.0	I	Manufacturing QRC Approved
1102	Green Jobs	SG/Q1403	Construction Technician (Electrical)- Wind Power Plant	Renewable Energy	4	1.0	I	Manufacturing QRC Approved
1103	Green Jobs	SG/Q1401	Construction Technician (Mechanical)- Wind Power Plant	Renewable Energy	4	1.0	I	Manufacturing QRC Approved
1104	Green Jobs	SG/Q6403	Desludging Operator	Waste Management	4	1.0	III	Services NSQC Approved
1105	Green Jobs	SG/Q0202	E-Waste Recycling Entrepreneur	Waste Management	6	1.0	III	Manufacturing QRC Approved
1106	Green Jobs	SG/Q6404	Faecal Sludge Treatment Plant O&M Technician	Waste Management	4	1.0	III	Manufacturing NSQC Approved
1107	Green Jobs	SG/Q2101	Improved Cook stove Installer	Renewable Energy	4	1.0	I	Manufacturing NSQC Approved
1108	Green Jobs	SG/Q6501	Manager- Waste Management	Waste Management	6	1.0	III	Manufacturing NSQC Approved
1109	Green Jobs	SG/Q1503	O&M Electrical & Instrumentation Technician Wind Power Plant	Renewable Energy	4	1.0	I	Manufacturing QRC Approved
1110	Green Jobs	SG/Q1502	O&M Mechanical Technician-Wind Power Plant	Renewable Energy	4	1.0	I	Manufacturing QRC Approved
1111	Green Jobs	SG/Q8702	Paper Bag Entrepreneur	Other Green Jobs	5	1.0	III	Manufacturing QRC Approved
1112	Green Jobs	SG/Q8701	Paper Bag Technician	Other Green Jobs	3	1.0	III	Manufacturing QRC Approved
1113	Green Jobs	SG/Q2102	Portable Improved Cook stove Assembler	Renewable Energy	3	1.0	I	Manufacturing NSQC Approved
1114	Green Jobs	SG/Q2105	Portable Improved Cookstove Distributor	Renewable Energy	6	1.0	I	Service NSQC Approved

Qualification Files and related documents were submitted to National Skill Development Agency (NSDA) towards NSQC approval of 5 new Qualification Packs. SCGJ has 31 QPs which are NSQC approved and have been declared National Qualifications. These Q-Files are available on the portal of National Qualification Register (NQR). A total 49 Model curriculums have been developed for 20 Solar PV QPs, 3 Solar Thermal QPs, 8 Wind Energy QPs, 12 Waste Management QPs, 2 Water

Management QPs and 4 Clean Cookstove QPs. Recognition of Prior Learning (RPL) certification programs on 5 Solar QPs, 4 Waste Management QPs, 2 Water Management QPs and 1 Clean cooking QP have been undertaken. SCGJ has developed 14 Participant Handbooks for 9 Solar QPs, 3 Waste Management QPs and 2 Water Management QPs and 3 Participant Handbooks are in final stages for Waste Management QPs.

SCGJ is the Consortium Partner for implementation of the World Bank SUPRABHA TA program for Rooftop Solar sector being implemented through SBI. SCGJ is also consortium Partner for implementation of the GIZ TROPHI II and Indian Rooftop PV Installers Skilling and Employability (iIRSE) program for Rooftop Solar sector being implemented through RENAC. It has interacted with ISA, DFID, GIZ and GBCI for capacity building in solar, wastewater and green construction sector. SCGJ is Coordinating with Universities and Colleges for NSQF alignment of B. Voc. degree programs. It is organizing training of Master Trainers.

## Affiliation of TP & TC FY 2019-20

- Trained and Certified 6,776 Candidates under PMKVY 2.0
- Trained and Certified 13,556 Candidates under RPL 2 Program
- Trained and Certified 12,881 Candidates under other different Govt Schemes of MNRE,NSKFDC,NULM , NBCFDC etc.
- Trained and Certified 1,093 Candidates under Paid Programs
- Trained and Certified 1112 Candidates under State Govt Funded Programs
- Conducted TOT of 169 Trainers

### Cumulative Status

Certified **2.96 lakh** Candidates since inception

Affiliated **540** Training Centres

Empaneled **24** Assessments Agencies

SCGJ floated two RFPs for affiliation of Assessment Agencies as per new guidelines of NSDC on February, 2019 and September, 2019. 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 empaneled by SCGJ:

1	TRENDSETTERS SKILL ASSESSORS PRIVATE LIMITED
2	BLUESTONE SOLUTIONS PRIVATE LIMITED
3	Vedokt Skill & Consulting Pvt. Ltd.
4	OneCrew Services Private Limited
5	Udichi
6	Aon Consulting Pvt. Ltd.
7	Bhavishya Uday Shiksha Evam Baal Chetna Samiti
8	Eduvantage Pvt Ltd
9	Palmary Project Services Private Limited
10	Diversified Business Solutions Pvt. Ltd.
11	IRIS Corporate Solutions Pvt. Ltd.
12	Ace Assessments Pvt. Ltd.
13	SP Institute of Workforce Development Pvt Ltd
14	Indore Skill Assessment Services Pvt.Ltd.
15	Virtual SaaS Pvt. Ltd.
16	Khwaspuria Advisory P Limited
17	Demorgia Consulting Services Pvt.
18	MIRAMS Training Services (India) Pvt.
19	Prima Competencies Private Limited
20	Virtual Education Trust
21	Ginger Webs Pvt. Ltd.
22	Induslynk Training Services Pvt. Ltd.
23	Premia Consultancy LLP
24	Independent Qualitative Assessors Gilde Private limited
25	TAG Assessors Guild Pvt. Ltd.
26	Confederation of Indian Industry (CII)
27	TATA Consultancy Services (TCS)
28	India Skills Pvt. Ltd.

## Marketing & Partnership FY 2019-20

**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 32 skill development related events & exhibitions including Skill Competitions and Kaushal Melas
- SCGJ website is being made more dynamic
- Organized 1 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

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 with SCGJ was one of the new initiatives taken by the group. The Skill Council has been contributing articles in various magazines to showcase its area of operation and activities.

### Other Marketing and Business Development Activities:

- Logo of SCGJ has more visibility now
- 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.
- Working an agreement out 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.

Skill Council for Green Jobs was sanctioned for RPL Type 4 “BiCE” Program under PMKVY, a total target of **72,514** in Phase I, **1,62,231** in Phase II & **73,464** in Phase III. The **total target** is of **308209**.

**Phase I target has been successfully achieved** within the given time. We have completed Certification of 193612 & total Registration of 281456 till date.



## Important Events FY 2019-20

### Focus group on " Skill Development for Plastic waste recycling"

Focus group created to discuss modalities of training on plastic waste management. The focus group suggested to develop training module on compliance management and setting up of plastic waste recycling units. As SCGJ is already having QPs on waste picker and recyclable waste collector and segregator, focus group suggested to link higher level trainings for accommodation of these skilled staff in effective manner. Group also suggested to train on fire safety along with PPE kit usage and sanitation to waste pickers, aggregator and recyclers.



### Training of Trainers- Wastewater Treatment

SCGJ has now entered into wastewater treatment training. 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**. The objective of the training was to prepare them to impart training on :

- Proper & effective functioning of CETP leading to better efficiency
- Time retention and cost reduction of machines,
- Preventive maintenance & Monitoring
- Employability and Soft Skill
- Occupational Health & Safety perspective
- Value addition from sale of treated wastewater and sludge
- Legal compliance





## Activity Plan & Governance FY 2020-21

The current focus of SCGJ is to extend its reach out to the industry through its Regional Offices and the Centre of Excellence. The main purpose of these regional centres would be to develop Industry interface, bringing MSMEs on board, conducting round table workshop with industry and monitoring the trainings.

During the year 2020-21, apprenticeship and entrepreneurship would be given focused attention. Among the technical areas, skilling in biomass, Bio CNG, waste water, Sustainable Development and Greening of jobs would be further developed.

The issue of Converting SCGJ to as a Section 8 Company was deliberated by Governing Council. Col AK Chandel, Nominee Director from NSDC mentioned that about 85% of SSCs are now Section 8 Companies. Section 8 Companies have better governance structure and SCGJ should move towards converting to being incorporated as a Section 8 Company.

SSCs were set up as autonomous industry-led bodies to perform a public function to ensure that skill development efforts being made by all stakeholders are in accordance with the actual needs of the industry and to develop competency standards. The Government had conferred some developmental functions (like development of National Occupational Standards (NOSs)/ Qualification Packs (QPs), providing employer connect, assessing sectoral skill requirement, etc.) as well as regulatory functions (like affiliating TPs for specific job roles, assessment and certification of Training of Trainers (ToTs)/ Training of Assessors (ToAs), etc., on the SSCs vide Transit SSC 2.0 document dated 11.4.16, for the smooth conduct of publicly financed skill development programs.



### GIZ sponsored Indian Rooftop PV installer Skilling and Employment (iRISE) project inception meeting held at Ahmedabad



# Glimpse of RPL 2 training



**Wastewater Treatment Plant Technician Training**

**Safai Karamchari Training**

**Practical demonstration of cleaning**

# Glimpse of RPL 4 training



# Glimpse of World Bank SUPRABHA TA Programme



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Sarvesh is working as Senior Technical Officer in SCGJ and involved in R&D in Skill Development activities for six sectors viz Water Management, Solid Waste Management, E-Waste Management, Carbon Sinks, Green Construction and Clean Cooking along with the implementation of CSR sustainability project in villages of Haryana. Sarvesh is passionate about the circular economy advocating Bio-energy and efficient waste management.



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