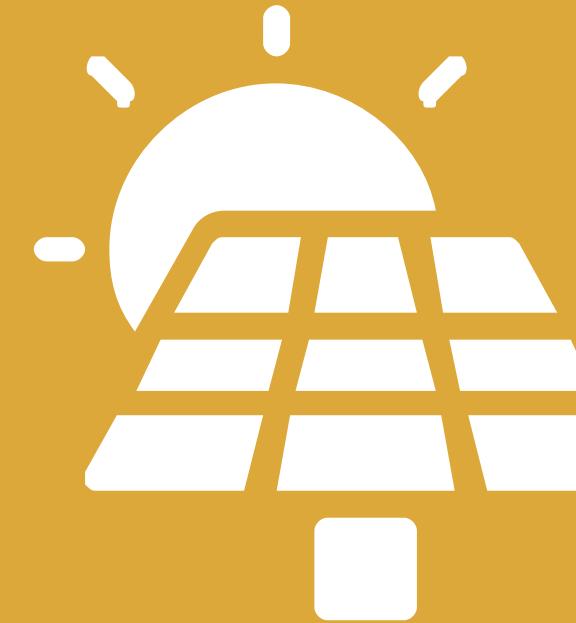
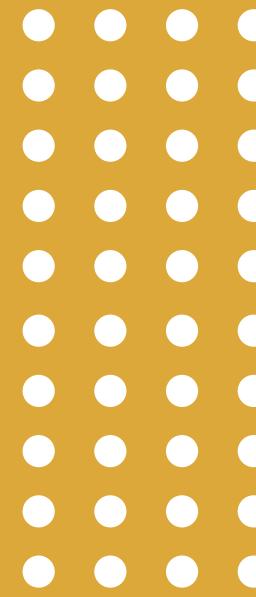


Qualifications (Skill Course)

Solar Energy



1 Solar PV Installer (Suryamitra)

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

SGJ/Q0101 v4.0
Valid upto: 30.05.2027

DESCRIPTION

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

Overview of QP

NSQF Level: 4

Course Duration/Training Hours: 420

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

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

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



2 Solar PV Installer – Electrical

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

SGJ/Q0102 v4.0
Valid upto: 30.05.2027

DESCRIPTION

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

Overview of QP

NSQF Level: 4

Course Duration/Training Hours: 390

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

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



3

Rooftop Solar Grid Junior Engineer

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

SGJ/Q0106 v4.0
Valid upto: 29.05.2027

DESCRIPTION

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

Overview of Qualification

NSQF Level: 5

Course Duration/Training Hours: 540

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

Entry Age (Years): Minimum age: 19

Scan QR Code
to access related content



4

Solar PV Installation Helper

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

DESCRIPTION

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

Overview of Qualification

NSQF Level: 2

Course Duration/Training Hours: 270

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

Scan QR Code
to access related content



5

Solar Water Pumping Junior Engineer

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

SGJ/Q0112 v4.0
Valid upto: 29.05.2027

DESCRIPTION

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

Overview of Qualification

NSQF Level: 5

Course Duration/Training Hours: 540

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

Entry Age (Years): Minimum age: 19

Scan QR Code
to access related content



6

Solar PV Module Manufacturing Technician

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

SGJ/Q0119 v4.0
Valid upto: 29.05.2027

DESCRIPTION

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

Scan QR Code
to access related content



Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

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

Entry Age (Years): Minimum age: 18

7

Solar Lighting Assembler**NQR Code:** [QG-04-ES-02630-2024-V2-SCGJ](#)**SGJ/Q0201 v4.0**
Valid upto: 29.05.2027**DESCRIPTION**

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

Overview of Qualification**NSQF Level: 4****Course Duration/Training Hours:** 450**Trainee Qualification:** 12th grade Pass (with science or equivalent)

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

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

OR Previous relevant Qualification of NSQF Level (3.5)

Entry Age (Years): Minimum age: 18**Scan QR Code**
to access related content

8

Solar PV Cell Manufacturing Technician**NQR Code:** [QG-04-ES-00147-2023-V1-SCGJ](#)**SGJ/Q0203 v1.0****Valid upto:** 31.01.2026

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

Overview of Qualification**NSQF Level: 4****Course Duration/Training Hours:** 420 hours.**Trainee Qualification:** 12th Grade

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

Or 10th grade pass plus 2-year NTC

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

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

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

Entry Age (Years): Minimum age: 16years**Scan QR Code**
to access related content

9

Solar Domestic Product Assembler**NQR Code:** [QG-2.5-ES-00907-2023-V1-SCGJ](#)**SGJ/Q4902 v1.0**
Valid upto: 31.08.2026

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

Overview of Qualification**NSQF Level: 2.5****Course Duration/Training Hours: 270 hours.****Trainee Qualification:** 8th grade pass (and pursuing continuous schooling) with NA of experience

OR 9th grade pass with NA of experience

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

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

Entry Age (Years): Minimum age: 14 years**Scan QR Code**
to access related content

10

Agrivoltaics Installer Electrical**NQR Code:** [QG-04-ES-02029-2024-V1-SCGJ](#)**SGJ/Q0122 v1.0**
Valid upto: 30.01.2027

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

Overview of Qualification**NSQF Level: 4****Course Duration/Training Hours: 510****Trainee Qualification:** 12th grade Pass (or equivalent) with NA of experience

OR Pursuing 3rd year of 3-year diploma after 10th ((Electrical/ Mechanical)) with NA of experience

OR 10th grade pass

OR Previous relevant Qualification of NSQF Level (3.5)

Entry Age (Years): Minimum age: 16**Scan QR Code**
to access related content

11

Solar Manufacturing Junior Technician

NQR Code: [QG-03-ES-00908-2023-V1-SCGJ](#)

SGJ/Q4901 v1.0
Valid upto: 31.08.2026

DESCRIPTION:

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

Overview of Qualification

NSQF Level: 3.0

Course Duration/Training Hours: 300 hours.

Trainee Qualification: 9th grade pass (and pursuing continuous schooling in regular school.) with NA of experience

OR

8th grade pass (with two year of (NTC/ NAC) after 8th Grade Pass) with 2 Years of experience

OR

Previous relevant Qualification of NSQF Level (Level 2.5) with 1-2 Years of experience 1.5 years of relevant experience.

Entry Age (Years): Minimum age: 16 years

Scan QR Code
to access related content



12

Solar Photovoltaic Technician

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

SGJ/Q4004 v1.0
Valid upto: 31.08.2026

DESCRIPTION

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

Overview of Qualification

NSQF Level: 4.0

Course Duration/Training Hours: 390 hours.

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

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

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

Entry Age (Years): Minimum age: 16 years

Scan QR Code
to access related content



13

Junior Technician - Solar Cold Storage

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

SGJ/Q4002

Valid upto: 16.11.2025

DESCRIPTION

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

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 330

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

Or Class 10th Pass

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

1 year of relevant experience

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



14

Solar Cold Storage Entrepreneur

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

SGJ/Q1802

Valid upto: 16.11.2025

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

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 390

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

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

Or 10th Class Pass with 3 Year Diploma

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

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

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



15

Junior Technician-Solar EV Charging Station

NQR Code: [2022/POW/SCGJ/06461](https://www.qg-ntc.com/nqr/2022/POW/SCGJ/06461)

SGJ/Q4001
Valid upto: 16.11.2025

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

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 330 hours

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

Or 10th Class Pass

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

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



17

Solar Photovoltaic Site Survey Assistant

NQR Code: [QG-3.5-ES-00909-2023-V1-SCGJ](https://www.qg-ntc.com/nqr/QG-3.5-ES-00909-2023-V1-SCGJ)

SGJ/Q1203 v1.0
Valid upto: 31.08.2026

DESCRIPTION:

A Solar Photovoltaic Site Survey Assistant conducts basic site surveys and assessments for small solar system installations. The role involves using survey tools, ensuring compliance with safety and regulatory standards, and maintaining clear communication with supervisors, consumers, and team members.

Overview of Qualification

NSQF Level: 3.5

Course Duration/Training Hours: 360 hours.

Trainee Qualification: 10th Class (pursuing continuous schooling) with NA of experience

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

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

Or 8th grade pass with 3 Years of experience

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

Entry Age (Years): Minimum age: 16 years

Scan QR Code
to access related content



16

Solar EV Charging Entrepreneur

NQR Code: [2022/ES/SCGJ/06462](https://www.qg-ntc.com/nqr/2022/ES/SCGJ/06462)

SGJ/Q1801
Valid upto: 16.11.2025

DESCRIPTION: Solar EV Charging Entrepreneur sets up an enterprise with an aim to provide a charging service to EV users while utilising solar energy (along with Grid power). This entrepreneur shall establish, setup and operate solar integrated EV charging stations for charging of electric vehicles at various locations to enable faster adoption of EVs across the country by ensuring safe, reliable, accessible, low cost and sustainable EV charging infrastructure.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 390

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

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

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

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

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

Scan QR Code
to access related content



Entry Age (Years): Minimum age: 16

Solar Enterprise Assistant Manager

NQR Code: [QG-05-ES-01754-2023-V1-SCGJ](https://www.qg-ntc.com/nqr/QG-05-ES-01754-2023-V1-SCGJ)

SGJ/Q2601v1.0
Valid upto: 31.01.2027

DESCRIPTION:

According to IREDA, India has vast solar potential with 5,000 trillion kW of clean energy, 300 sunny days a year, and solar insolation of 4-7 kWh/m²/day. Strengthening domestic manufacturing of solar cells, modules, and batteries can create indirect employment in allied sectors. This course aims to build participant knowledge of solar technologies and applications through both theoretical and practical sessions, enabling them to support industry projects and understand the quality aspects of solar energy systems.

Scan QR Code
to access related content



Overview of Qualification

NSQF Level: 5

Course Duration/Training Hours: 510 hours.

Trainee Qualification: UG Diploma

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

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

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

Entry Age (Years): Minimum age: 21 years

DESCRIPTION:

Solar Photovoltaic Entrepreneur is an individual who ventures into Solar market to lead an enterprise. He/She has the understanding of solar business models, market, technical knowledge of rooftop solar PV plants, along with components procurement and financing. Solar Photovoltaic Entrepreneur can prepare the feasibility study report and perform basic energy generation forecasting using simulation software and is also responsible for the managing the complete Solar PV project lifecycle.

Overview of Qualification**NSQF Level: 5****Course Duration/Training Hours: 540 hours.**

Trainee Qualification: 12th Grade pass or equivalent Or 10th Grade pass with 3-year relevant experience in Renewable energy/Solar Pv sector.Or Previous relevant Qualification of NSQF Level 3.5 with 1.5-year relevant experience in Renewable energy/Solar Pv sector. Or Previous relevant Qualification of NSQF Level 3.0 with 3-year relevant experience in Renewable energy/Solar Pv sector.

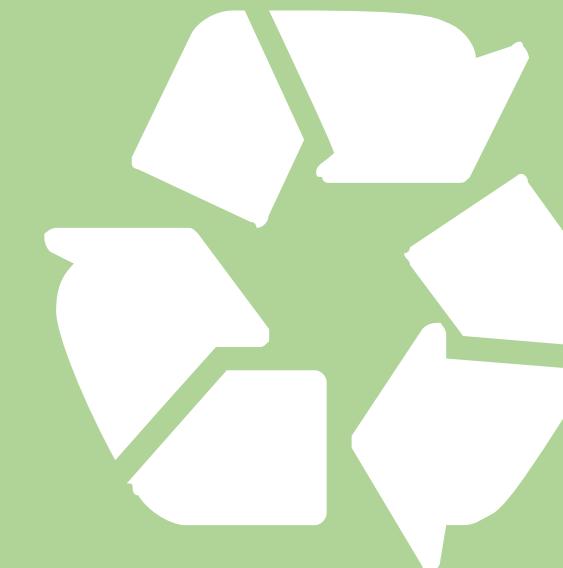
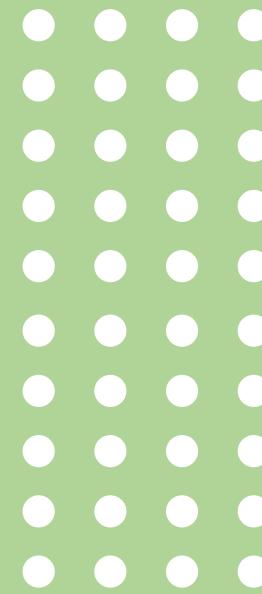
Entry Age (Years): Minimum age: 21 years

Scan QR Code
to access related content

Under Approval

Qualifications (Skill Course)

Green Hydrogen



20 Green Hydrogen Plant Technician

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

SGJ/Q0120

Valid upto: 31.01.2026

DESCRIPTION

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

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

Trainee Qualification: 12th Grade

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

Or 10th Grade Pass with 2 year relevant experience

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



21 Green Hydrogen Plant Entrepreneur

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

SGJ/Q0121

Valid upto: 31.01.2026

DESCRIPTION

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

Overview of Qualification

NSQF Level: 5

Course Duration/Training Hours: 480

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

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

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

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

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



22

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

DESCRIPTION

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

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 330

Trainee Qualification: 10th grade pass with NA of experience

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



23

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

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

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 360

Trainee Qualification: 10th Grade Pass

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



24

Green Hydrogen Plant Junior Technician- Storage **SGJ/Q4304**
NQR Code: : [QG-03-ES-00767-2023](#) **Valid upto: 30.08.2026**

DESCRIPTION

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

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 360

Trainee Qualification: 10 th Grade Pass

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



25

Green Hydrogen Plant Junior Technician-Desalination **SGJ/Q4303**
NQR Code: [QG-03-ES-00766-2023-V1-SCGI](#) **Valid upto: 30.08.2026**

DESCRIPTION

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

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 360

Trainee Qualification: 10 th Grade Pass

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



26

Electrolyzer Manufacturing Plant Technician

NQR Code: [QG-04-ES-02027-2024-V1-SCGJ](#)

SGJ/Q4306
Valid up to: 30.01.2027

DESCRIPTION

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

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

Trainee Qualification: 12th grade pass or equivalent

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



28

Fundamentals of Financing for Green Hydrogen Project

SGJ/MCr-0004
NQR Code: [NM-06-ES-02253-2024-V1-SCGJ](#)

Valid upto: 14.03.2027

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

Overview of Qualification

NSQF Level: 6

Course Duration/Training Hours: 30

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

Age (Years): Minimum age: 18

Scan QR Code
to access related content



27

Electrolyzer Manufacturing Plant Supervisor

NQR Code: [QG-05-ES-02028-2024-V1-SCGJ](#)

SGJ/Q4305
Valid upto: 30.01.2027

DESCRIPTION

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

Overview of Qualification

NSQF Level: 5

Course Duration/Training Hours: 510

Trainee Qualification: 12th grade pass or equivalent with 3.5 years of experience in renewable energy/ power sector/ energy sector/ hydrogen

Or 10th grade pass + 3 year Diploma in relevant field with 3 year of relevant experience in renewable energy/ power sector/ energy sector/ hydrogen

Or Previous relevant qualification of level 4.5 with 1.5 years of relevant experience in renewable energy/ power sector/ energy sector/ hydrogen

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



Overview of Instrumentation and Control for Green Hydrogen Plant

SGJ/ MCr-0005
NQR Code: [NM-06-ES-02254-2024-V1-SCGJ](#)

Valid upto: 14.03.2027

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

Overview of Qualification

NSQF Level: 6

Course Duration/Training Hours: 30

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

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

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



30

Fundamentals of Hydrogen Fuel Cell

NQR Code: [NM-04-ES-03452-2024-V1-SCGJ](#)

SGJ/Mcr-0009
Valid up to: 16.12.2027

DESCRIPTION

The micro credential offers an in-depth exploration of the concepts and practical applications of hydrogen fuel cells. It aims to provide a solid understanding of hydrogen fuel cell technology, its components, operation, maintenance, and safety aspects. This upskilling primarily focus to existing operator of Diesel Generator or professionals working on internal combustion engine. The content may be also be utilized in university education to ensure that learners have well rounded understanding of the interdisciplinary concepts in hydrogen fuel cell technology.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 30

Trainee Qualification: 12th grade pass from science stream or equivalent

Or 11th grade pass with 1.5 year of relevant experience

Or 10th grade pass with 3 years of relevant experience

Or Previous relevant qualification of NSQF level 3.5 with 1.5 years of relevant experience Or

Previous relevant qualification of NSQF level 3.0 with 3 years of relevant experience

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



31

Fundamentals of Business Development For Hydrogen Fuel

NQR Code: [NM-5.5-ES-03453-2024-V1-SCGJ](#)

SGJ/MCr0012

Valid up to: 30.01.2027

DESCRIPTION

This micro-credential course equips hydrogen fuel cell professionals with technical knowledge, business development skills, and market strategies to drive growth across stationary, portable, and transportation sectors.

Overview of Qualification

NSQF Level: 5.5

Course Duration/Training Hours: 30

Trainee Qualification: Completed UG or equivalent in Commerce/ Business Administration/Applied Sciences/Science/ Finance/ Economics/ Engineering

Or Pursuing 3rd year of 3-year/4-years Undergraduate (UG) degree or equivalent in Commerce/ Business Administration/ Applied Sciences/Science/ Finance/ Economics/ Engineering

Or Completed 3rd year UG Diploma after 10th with 1.5 years of Renewable energy/Automotive/Power Industry/Technical Sales

Or Completed 1st Year of UG Certificate with 3 years of Renewable energy/Automotive/Power Industry/Technical Sales

Or Previous relevant qualification of level 5 with 1.5 years of relevant experience in Renewable energy/Automotive/Power

Industry/Technical Sales Or Previous relevant qualification of level 4.5 with 3 years of relevant experience in Renewable energy/Automotive/Power Industry/Technical Sales

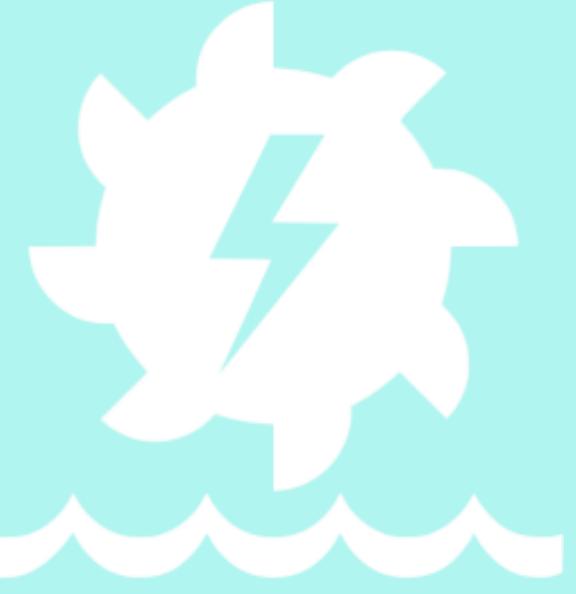
Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



Qualifications (Skill Course)

Small Hydro



32

Small Hydro Power Plant Technician

NQR Code: [QG-04-ES-03678-2025-V1-SCGJ](#)

SGJ/Q4010 v2.0
Valid upto: 17.02.2028

DESCRIPTION

Small Hydro Plant Technician (Jal Urja Mitra) specializes to operate, test and maintain different electrical, hydro-mechanical, civil components of Small Hydro Power plants to meet the performance and reliability needs by incorporating quality workmanship and complying with all applicable codes, standards, and safety requirements.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 600

Trainee Qualification: 10th grade pass with 2 years of any combination of NTC/NAC/CITS or equivalent or 10th grade passes with two years of 3 years of regular diploma (in Electrical/Mechanical/ Civil/Instrumentation and related trades) or 11th grade pass with 1.5 year of relevant experience or 10th grade pass with 3 years of relevant experience or Previous relevant Qualification of NSQF Level 3.0 3 Years of experience relevant experience or Previous relevant Qualification of NSQF Level 3.5

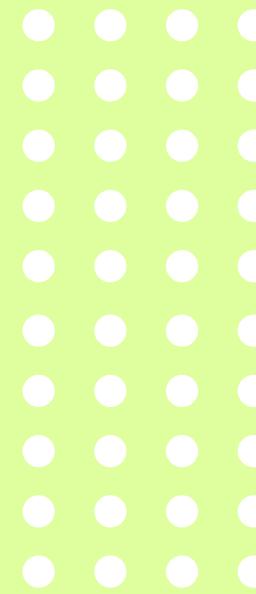
Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



Qualifications (Skill Course)

Biomass Energy



33

Bio-Energy Micro Entrepreneur

NQR Code: [2022/WSSWM/SCGJ/05145](#)

SGJ/Q4102 v1.0
Valid upto: 31.08.2026

DESCRIPTION: Bio-Energy Micro Entrepreneur is responsible for setting up a production unit for manufacturing biomass pellets from agriculture waste or setting up small biogas unit at site. He/She would be responsible for developing a business plan, hiring the human resources, acquiring financial and material resources, providing leadership, and their vision drives the company's strategy.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 540 hours including 90 hours of elective modules and 450 hours of Compulsory modules

Trainee Qualification: 10th grade pass and pursuing continuous schooling Or 12th grade Pass ((all streams)) with NA of experience Or Completed 2nd year of the 3-year diploma after 10 with NA of experience. 8th Class (plus 2-year NTC plus 1-Year NAC plus 1- Year CITS) with NA of experience Or Previous relevant Qualification of NSQF Level (Level 3) with 3 Years of experience relevant experience .

Entry Age (Years): Minimum age: 28

Scan QR Code
to access related content



34

Biomass Pellet Manufacturing Junior Technician

NQR Code: [QG-03-ES-00911-2023-V1-SCGJ](#)

SGJ/Q4201 v1.0
Valid upto: 31.08.2026

DESCRIPTION

Biomass Pellet Manufacturing Junior Technician is responsible for production, storage, and management of biomass pellets at the plant. He/she looks after activities such as biomass receiving, pre-processing/densification and storage in a manner to maintain its quality and safety as per standards.

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 300 hours including 240 hours of compulsory modules and 60 hours of mandatory OJT

Trainee Qualification: 10th grade pass Or 8th grade pass (with two year of (NTC/ NAC) after 8th) with NA of experience Or Previous relevant Qualification of NSQF Level (NSQF Level 2.5) with 1-2 Years of experience 1.5-year relevant experience.

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



DESCRIPTION: The Learner would be appropriately able to carry out market analysis and formulate the business plan for the center. S/He will be able to manage the overall operation of the center and ensure health and safety at the workplace. S/He would ensure compliance of applicable statutory laws, policies and procedures relating to the center. As an elective for Biomass Depot, She/he specialize in overall operations of biomass depot and associated business. As an elective for Compost Yard, S/he specialize overall operations of compost yard and associated business. As an elective for Dry Waste Center, s/he specializes overall operations of dry waste collection center and associated business.

Overview of Qualification

NSQF Level: 6

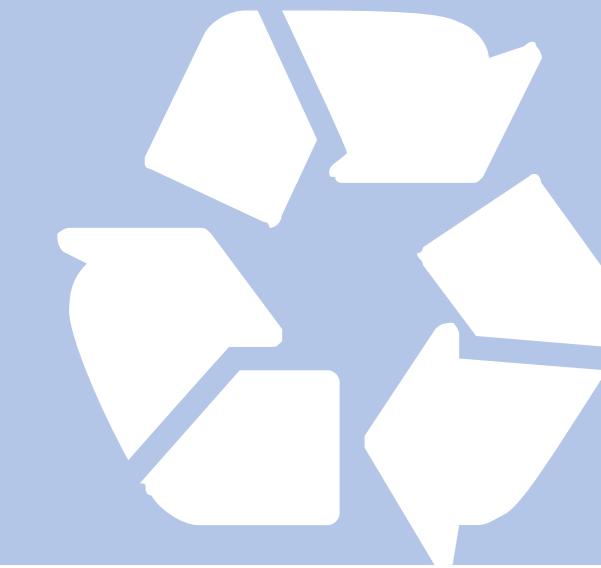
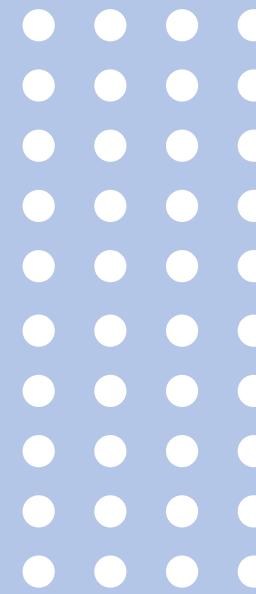
Course Duration/Training Hours: 520 hours including 220 hours of compulsory modules +100 hours of mandatory "on the job training" + 100 hours of optional "on the job training", with one compulsory Elective of 100 hours

Trainee Qualification: Diploma (Government recognized 3 years Diploma in a relevant discipline) with 4 Years of experience in the relevant field OR Post Graduation in relevant discipline, with 1 year of experience in relevant field Or NSQF level 5 certified in relevant job role (e.g. Supervisor Operations and Maintenance Compressed Biogas/Waste to Energy) with 2 years of relevant experience

Entry Age (Years): Minimum age: 23

Qualifications (Skill Course)

Sustainability



36

GHG Accounting and Sustainability Reporting NQR Code: [NM-06-ES-02105-2024-V1-SCGI](#)

SGJ/MCr-0001 v1.0
Valid upto: 30.01.2027

DESCRIPTION: The Micro-credential course for Greenhouse Gas (GHG) Accounting and Sustainability Reporting designed to provide participants with a comprehensive understanding of climate change issues, greenhouse gas (GHG) accounting methodologies, and reporting guidelines, particularly focusing on Business Responsibility and Sustainability Reporting (BRSR). After completing this course, the successful participants can become valuable assets in sustainability domain, equipping them with the expertise and skills needed to perform various functions for GHG accounting and sustainability reporting including enabling companies meet their BRSR mandate.

Overview of Qualification

NSQF Level: 6

Course Duration/Training Hours: 30 hours

Trainee Qualification: Pursuing first year of 2 years PG program after completing 3 year UG degree in

(Maths/Chemistry/Physics/Management/Commerce/Economics)

OR Pursuing 4th year UG degree in Engineering /Maths /Chemistry /Physics /Economics /Commerce(honours) and continuing education OR

Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of Relevant experience

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



37

Green Logistics Practices NQR Code: [NG-04-ES-02095-2024-V1-SCGI](#)

SGJ/N4601 v2.0
Valid upto: 30.01.2027

DESCRIPTION: This standalone NOS is designed to incorporate environmentally sustainable practices and principles into logistics education and training. This aims to train existing and future professionals in the field of logistics while emphasizing the importance of reducing environmental impacts, optimizing resources, and promoting sustainable operations within the supply chain. Adopting green skills in logistics sector not only benefits the environment but can also lead to reduced operating costs, improved public perception, and compliance with evolving environmental regulations. It is essential for logistics operators to stay updated on the latest sustainable practices and technologies to remain competitive and environmentally responsible in the logistics and supply chain industry. In that context, the proposed NOS is to introduce generic green skills under logistics sector courses by dove-tailing green skill modules to the current and future logistics course curricula.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 30

Trainee Qualification: 12th or Equivalent

Or 10th with 2 years of relevant experience

Or 8th grade pass with 2 years NTC plus 1 year NAC plus 1 year CITS with 2 years of relevant experience

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



38

Approaches to Carbon Accounting

NQR Code: [NM-4.5-ES-03450-2024-V1-SCGJ](#)

SGJ/MCr-0008 v1.0
Valid upto: 16.12.2027

DESCRIPTION

This micro credential is designed for individuals who are seeking to deepen their understanding and practical skills in carbon accounting. The course covers essential approaches to measuring and managing greenhouse gas emissions, including the use of key frameworks like the Greenhouse Gas Protocol and ISO 14064. Learners will gain hands-on experience in calculating carbon footprints, tracking emissions across Scopes 1, 2, and 3. Participants will also learn to prepare carbon inventories, develop reports, and learn about global frameworks and standards for carbon accounting.

Overview of Qualification

NSQF Level: 4.5

Course Duration/Training Hours: 30Hrs

Trainee Qualification: As per Relevant QP

Entry Age (Years): Minimum age: 20

Scan QR Code
to access related content



39

Fundamentals of ESG Compliance

NQR Code: [NM-4.5-ES-03451-2024-V1-SCGJ](#)

SGJ/MCr-0010 NQR
Valid upto: 16.12.2027

DESCRIPTION

This micro-credential provides a foundational understanding of Environmental, Social, and Governance (ESG) compliance. The course is designed for individuals seeking to develop essential skills in identifying, managing, and reporting ESG factors within an organization. It covers key areas such as regulatory frameworks, risk assessment, compliance strategies, and sustainability reporting. Learners will gain practical knowledge to ensure compliance with ESG standards, identify risks, and contribute to building a sustainable and socially responsible business.

Overview of Qualification

NSQF Level: 4.5

Course Duration/Training Hours: 30 Hrs

Trainee Qualification: As per Relevant QP

Entry Age (Years): Minimum age: 20

Scan QR Code
to access related content



40

Soil Pollution Monitoring Specialist

NQR Code: [Under Approval](#)

Valid upto: 08.05.2028

DESCRIPTION

The Soil Pollution Monitoring Specialist monitors and manages soil health by analyzing composition, quality, and pollution levels. The role includes soil classification, sampling, and data analysis using statistical and GIS tools. Specialists also develop pollution mitigation strategies and promote advanced technologies for sustainable soil and environmental management.

Scan QR Code
to access related content

Under Approval

Overview of Qualification

NSQF Level: 5.5

Course Duration/Training Hours: 600Hrs

Trainee Qualification: As per Relevant QP

Entry Age (Years): Minimum age: 21

41

Environmental Impact Assessor

NQR Code: [Under Approval](#)

SGJ/Q5201
Valid upto: 08.05.2028

DESCRIPTION

The Environmental Impact Assessor evaluates environmental effects of proposed projects to ensure regulatory compliance. Key responsibilities include applying EIA and audit concepts, conducting project screening and public consultations, monitoring baseline environments, and analyzing samples. The role also involves using GIS tools and predictive models, facilitating stakeholder participation, and developing Environmental Management Plans for sustainable project implementation.

Scan QR Code
to access related content

Overview of Qualification

NSQF Level: 5

Course Duration/Training Hours: 450 Hrs

Trainee Qualification: As per Relevant QP

Entry Age (Years): Minimum age: 20

Under Approval

42

EV Charging Installation Technician

NQR Code: Under Approval

The EV Charging Installation Technician qualification provides learners with the knowledge and skills to manage the complete lifecycle of EV charging infrastructure—covering planning, installation, operation, and maintenance. The program includes training in EV science, relevant policies, digital tools like software-based charging and GPS mapping, as well as site readiness and safety protocols. Participants will be equipped to lead teams, ensure efficient station operations, and support the growth of India's EV ecosystem. This Qualification will support EV industries, by providing skilled workers for management of EV charging infrastructure as Charging Point Technician. EV industry has rolled down several EV models in 2Wheeler, 3-Wheeler and 4-Wheeler segments and have already put significant charging infrastructure in many Indian cities.

EV Charging Installation Technician

SGJ/Q4011

Valid upto: 08.05.2028

Scan QR Code
to access related content

Overview of Qualification

NSQF Level: 4.5

Course Duration/Training Hours: 450Hrs

Under Approval

Trainee Qualification: As per Relevant QP

Entry Age (Years): Minimum age: 18

43

Junior Parataxonomist

NQR Code: Under Approval

SGJ/Q0701

Valid upto: 08.05.2028

DESCRIPTION

The Junior Parataxonomist supports biodiversity conservation through field-based identification, classification, and documentation of flora and fauna. They contribute to People's Biodiversity Registers, implement the Biological Diversity Act, 2002, support Biodiversity Management Committees, and use GIS tools for conservation planning. With knowledge of national and international biodiversity frameworks, they connect scientific data with local conservation efforts to ensure sustainable bioresource management.

Scan QR Code
to access related content

Overview of Qualification

NSQF Level: 4.5

Course Duration/Training Hours: 480Hrs

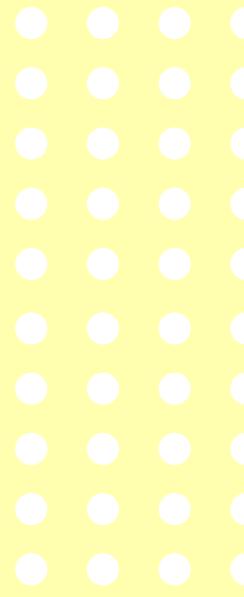
Under Approval

Trainee Qualification: As per Relevant QP

Entry Age (Years): Minimum age: 18

Qualifications (Skill Course)

Waste Management



44 Plastic Recycling Operator

NQR Code: [QG-03-ES-00914-2023-V1-SCGJ](#)

SGJ/Q4005 v1.0

Valid upto: 31.08.2026

DESCRIPTION

Plastic Recycling Operator is responsible for overall manufacturing of recycled products from plastic waste. He/ she is responsible for ensuring that workers in the unit are working effectively and machines/equipment are working efficiently. He/she is also responsible for making sure that right input in terms of raw material, energy, fuel, pressure, temperature, etc is fed in the machines. He/ she also keeps a check on the health of the machines. He/ she also monitors the quality of the process of recycling and recycled products. Once the products are ready, he/she ensure suitable packing of the products and for maintaining necessary documentation for facility and for dispatch of end product

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 360

Trainee Qualification: 5th Pass+5 years of relevant work experience

Or 8th Pass+2 year of relevant work experience

Or Grade 10 pass

Or Previous relevant Qualification of NSQF Level 3 with 3 year of Relevant experience

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



45 Safai Mitra

NQR Code: [QG-03-ES-02634-2024-V2-SCGJ](#)

SGJ/Q6102 v4.0

Valid upto: 29.05.2027

DESCRIPTION

Safai Mitra sweeps, cleans and removes garbage from public areas and buildings. In public areas and roads, Safai Mitra sweeps with a broom and / or other suitable equipment to remove dust, debris and garbage. In buildings, he/she sweeps the floor, scrubs the floor using appropriate cleaning solution to remove the fine dust. He/She removes the garbage and aggregates the garbage in the designated areas.

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 360

Trainee Qualification: Ability to read and write with 5 Years of experience relevant experience

Or Previous relevant Qualification of NSQF Level (2.5)

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



46

Biomedical Waste Management Nursing and Paramedical Staff

NQR Code: [NM-4.5-ES-02106-2024-V1-SCGJ](#)

SGJ/MCr-0002 v1.0

Valid upto: 30.01.2027

DESCRIPTION: This qualification is designed to play a crucial role in biomedical waste management by ensuring the safe handling, segregation, transportation, and disposal of waste in compliance with regulations. Their commitment to these practices is essential for maintaining a safe and healthy healthcare environment. The purpose of this qualification in biomedical waste management for nurses is essential for safeguarding patient and staff health, complying with regulations, protecting the environment, and ensuring the efficient and responsible management of biomedical waste in healthcare settings. It enhances overall healthcare quality and safety.

Overview of Qualification

NSQF Level: 4.5

Course Duration/Training Hours: 30

Trainee Qualification: Completed 1st year of 3-year/4-year UG(Nursing/Paramedical/BSc (Science))

Or Completed 1st year of 2-year diploma (Medical Laboratory Technology/Nursing) (after 12th) Or 12th Grade Pass with 1 year of relevant experience

Or Previous relevant Qualification of NSQF Level 4 with 1.5 years of Relevant experience

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



47

Waste Optimisation Professional

NQR Code: [QG-06-ES-01755-2023-V1-SCGJ](#)

SGJ/Q5002 v1.0

Valid upto: 30.01.2027

DESCRIPTION

India is facing major environmental challenges associated with waste generation and inadequate waste collection, transport, treatment and disposal. Current systems in India cannot cope with the volumes of waste generated by an increasing urban population, and impact on the environment and public health. The course will facilitate management of various categories of waste (e.g., solid waste, plastic, biomedical waste, e-waste, C&D waste etc.) including source segregation, collection, disposal, processing and recycling.

Overview of Qualification

NSQF Level: 6

Course Duration/Training Hours: 570 hours

Trainee Qualification: 4-year UG in relevant field with 1 year of relevant experience

Or 3-year UG in relevant field with 2 year of relevant experience

Or 12+ 2 year of diploma in relevant field with 3 year of relevant experience

Or Previous relevant Qualification of NSQF Level 5.5 with 1.5 years of relevant experience

Entry Age (Years): Minimum age: 21

Scan QR Code
to access related content



48

Material Recovery Facility (MRF) Micro - Entrepreneur

NQR Code: [QG-04-ES-00913-2023-V1-SCGJ](#)

SGJ/Q403 v1.0

Valid upto: 30.08.2026

DESCRIPTION

Material Recovery Facility (MRF) Micro - Entrepreneur sets up a MRF unit for segregating collected waste in the form of paper, cardboard, plastic, metal, glass, etc. He/she collaborates with waste collectors, aggregators, recyclers, etc for buying and selling waste material. During the same, ensures compliance related to setting up the business, statutory compliance for running the business and other type of environmental compliance that are required in the sector. He/she is responsible for financial management, people management, networking, market analysis and overall maintenance and sustenance of the business.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

Trainee Qualification: 8th pass plus 2-year NTC plus 1-Year NAC plus 1-Year CITS OR 12th grade pass.

Or 10th grade pass and pursuing continuous schooling.

Or 10th grade pass with two years of any combination of NTC/NAC/CITS or equivalent.

OR Pursuing 2nd year of 3-year regular Diploma (after 10th)

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



49

Plastic Recycling Micro Entrepreneur

NQR Code: [QG-04-ES-00915-2023-V1-SCGJ](#)

SGJ/Q4104 v1.0

Valid upto: 31.08.2026

DESCRIPTION: A Plastic Recycling Micro Entrepreneur sets up a unit for recycling of plastic waste and converting into different recycled products. He/she deals with suppliers of raw material, technology, and other input material required for the recycling process. He has a sound understanding of the recycling process, technologies/ machines used and the end recycled product. During the same, ensures compliance related to setting up the business, statutory compliance for running the business and other type of environmental compliance that are required in the sector. He/she is responsible for financial management, people management, networking, market analysis and overall maintenance and sustenance of the business. He also manages the sales and customers of the recycled products.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 450

Trainee Qualification: 8th grade pass (plus 2-year NTC plus 1-Year NAC plus 1-Year CITS) with NA of experience

Or 10th grade pass and pursuing continuous schooling with NA of experience

Or Previous relevant Qualification of NSQF Level (LEVEL 3.0) with 3 Years of experience Relevant experience.

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



DESCRIPTION: This qualification is designed to play a crucial role in biomedical waste management by ensuring the safe handling, segregation, transportation, and disposal of waste in compliance with regulations. Their commitment to these practices is essential for maintaining a safe and healthy healthcare environment. The purpose of this qualification in biomedical waste management for nurses is essential for safeguarding patient and staff health, complying with regulations, protecting the environment, and ensuring the efficient and responsible management of biomedical waste in healthcare settings. It enhances overall healthcare quality and safety.

Overview of Qualification

NSQF Level: 4.5

Course Duration/Training Hours: 30

Trainee Qualification: Completed 1st year of 3-year/4-year

UG(Nursing/Paramedical/BSc (Science))

Or Completed 1st year of 2-year diploma (Medical Laboratory Technology/Nursing)
(after 12th) Or 12th Grade Pass with 1 year of relevant experience

Or Previous relevant Qualification of NSQF Level 4 with 1.5 years of Relevant
experience

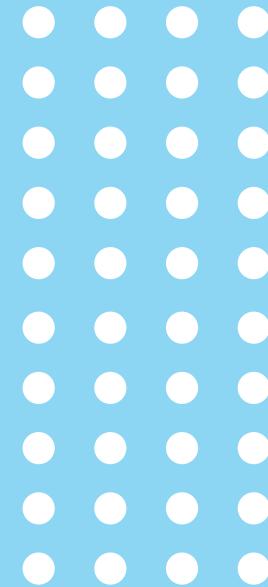
Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



Qualifications (Skill Course)

Water Management



51

Junior Technician - Rooftop Rainwater Harvesting SGJ/Q4003 v1.0
NQR Code: [2022/POW/SCGJ/06463](https://www.qnj.org.np/nqr/2022/POW/SCGJ/06463)

Valid upto: 17.11.2025

DESCRIPTION

The individual at work is responsible for performing site survey, and installation of rainwater harvesting systems across different consumer categories/buildings types. The individual will also be responsible for routine maintenance of rainwater harvesting systems.

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 330 hours

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

Or Class 10th Pass OR Previous relevant Qualification of NSQF Level 2, with 2 years of relevant experience

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



52

Rooftop Rain Water Harvesting Entrepreneur SGJ/Q4101
NQR Code: [2022/ES/SCGJ/06464](https://www.qnj.org.np/nqr/2022/ES/SCGJ/06464)

Valid upto: 17.11.2025

DESCRIPTION

Rooftop Rainwater Harvesting Entrepreneur shall analyse key parameters for rain water harvesting system, estimate cost parameters and oversee its installation and maintenance.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

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

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

Or 10th Class Pass plus 3 Years Diploma

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

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

Entry Age (Years): Minimum age: 16

Scan QR Code
to access related content



53

Sewer Entry Professional

NQR Code: [QG-03-ES-00669-2023-V1-SCGJ](#)

SGJ /Q4007v1.0
Valid upto: 11.08.2026

DESCRIPTION

Sewer Entry Professional, is an individual, who is responsible for emptying, Cleaning and transport and disposal of sludge from the sewer line to specified site/Co-treatment plant. He /She has to do manual sewage cleaning in the areas having space limitations. He/She can use pumps, blowers, scrapper, Manila Rope and Cloth Ball, Sectional Sewer Rods and other tools/equipment to empty the sewage manholes.

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 330

Trainee Qualification: 5th grade pass with 5 Years of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field

Or Previous relevant Qualification of NSQF Level (2.5) with 6 Months of experience of relevant work experience includes experience in Waste/ waste water management, sanitation or in a related field.

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



54

Desludging Operator

NQR Code: [2022/ES/SCGJ/06731](#)

SGJ/Q6403 v2.0
Valid upto: 28.09.2025

DESCRIPTION

The Learner would be able to empty, transport and dispose faecal sludge from the septic tank to desludging site / Faecal Sludge Treatment Plant. He /She would demonstrate preventive maintenance and operate pumps, suction hoses and other machinery/equipment to empty the septic tank and appropriately dispose the sludge.

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 360

Trainee Qualification: Ability to read and write with 5 years of relevant experience

Or 5th Pass+3 years of experience in masonry/plumbing work

Or 8th Pass+1 year of experience in masonry/plumbing work

Or 9th Pass

Scan QR Code
to access related content



Junior Technician- Mechanized Sewer Cleaning

NQR Code: [QG-03-ES-00668-2023-V1-SCGJ](#)

SGJ/Q4006 v1.0
Valid upto: 30.08.2026

DESCRIPTION

Junior Technician- Mechanized Sewer Cleaning , is an individual, who is responsible for emptying, cleaning, transport and disposal of sludge from the sewer line to a specified site/Co-treatment plant. He /She has to operate and maintain Mechanized sewage cleaning machine, Sludge Vacuum tank with trucks, pumps, suction hoses, and other machinery/equipment to empty the manholes.

Overview of Qualification

NSQF Level: 3

Course Duration/Training Hours: 330

Trainee Qualification: 5th Grade pass with 5 years of relevant experience

Or

Grade 8 pass with two years of (NTC/ NAC) after 8th

Or 8th Grade Pass with 2 years relevant experience

Or Previous relevant Qualification of NSQF Level 2.5 with 1.5

years of relevant experience

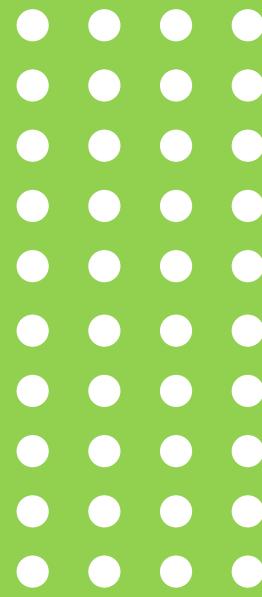
Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



Qualifications (Skill Course)

Ecotourism



56

Nature Conservator Cum Ecotourism Guide
NQR Code: [QG-04-ES-01756-2023-V1-SCGJ](#)

SGJ/Q1803 v1.0
Valid upto: 30.01.2027

DESCRIPTION: This short-term training programme has theoretical and practical skills. Green Skill Development contributes to preserving and restoring environmental quality for a sustainable future and includes jobs that protect ecosystems and biodiversity, reduce energy and minimize waste and pollution. The programme endeavors to develop green skilled workers having technical knowledge and commitment to sustainable development, which will help in the attainment of the Nationally Determined Contributions (NDCs), Sustainable Development Goals (SDGs), National Biodiversity Targets (NBTs), as well as Waste Management Rules (2016).

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

Trainee Qualification: 12 or equivalent

Or 10 with 2years of relevant experience

Or Previous relevant Qualification of NSQF Level 3.5 with 1.5 years of relevant experience

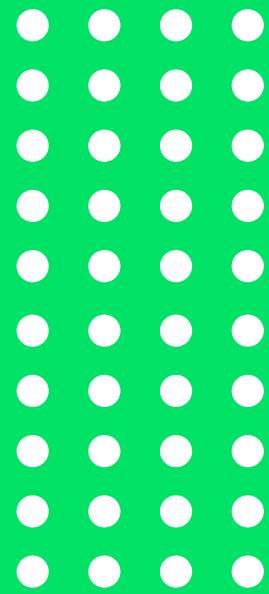
Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



Qualifications (Skill Course)

Forestry



57

Apiculturist (Wild bee) – NTFP (Non-Timber Forest Produce)

NQR Code: [QG-02-ES-01753-2023-V1-SCGJ](#)

SGJ/Q3301 v1.0

Valid upto: 30.01.2027

DESCRIPTION: NTFP includes all the Non- Timber Forest Products that are harvested from trees, shrubs and other plants in the forests. The course on (I) Value Addition & Marketing of Non-Timber Forest Products (NTFPs)- (Animal Origin): Wild Beekeeping & processing. A Beekeeper is responsible for carrying out beekeeping operations which include preparing for and setting up beehives; procuring and introducing bees in hives, and maintaining the bees and beehives. The individual is also responsible for harvesting, processing and marketing honey and related produce.

Overview of Qualification

NSQF Level: 2

Course Duration/Training Hours: 240

Trainee Qualification: No formal education

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content



58

Micro-Entrepreneur – NTFP (Non-Timber Forest Produce) – Plant Origin

NQR Code: [QG-04-ES-01752-2023-V1-SCGJ](#)

SGJ/Q3101 v1.0

Valid upto: 30.01.2027

DESCRIPTION

NTFP includes all the Non- Timber Forest products that are harvested from trees, shrubs and other plants in the forests. The course on (I) Coconut Shells & Fibre Handicrafts covers utilization of the freely and locally available materials such as coconut leaves, coconut fibre for handicraft production and their marketing. The course on (II) Bamboo Crafts broadly covers aspects such as species and products range of bamboo, operation of processing machine, conversion of bamboo, product making & product design, Bamboo boards preparation/Mud reinforced wall preparation/Roof design/Furniture making.

Overview of Qualification

NSQF Level: 4

Course Duration/Training Hours: 420

Trainee Qualification: 12 or equivalent

Or 10th with 2 years of relevant experience

Or 10th with two years of NTC

Or Previous relevant Qualification of NSQF Level 3.5 with 1.5 years relevant experience.

Entry Age (Years): Minimum age: 18

Scan QR Code
to access related content

