

## SECTOR-WISE QUALIFICATION FOR TRAINING

Sectors	NSQF Job Levels (L)										Total
	L2	L2.5	L3	L3.5	L4	L4.5	L5	L6	L7	Under Revision	
Solar Energy	1	1	3	1	9	0	4	0	0	7	26
Green Hydrogen	0	0	4	0	2	0	2	2	0	0	10
Wind Energy	0	0	1	0	3	0	2	0	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	0	0	1
Bio Energy	0	0	3	0	3	0	1	2	1	0	10
Clean Cooking	0	0	1	0	2	0	1	0	0	0	4
Waste Management	0	0	2	0	2	1	0	1	0	0	6
Water Management	0	0	4	0	1	0	0	0	0	2	7
Sustainability	0	0	2	0	1	0	0	1	0	0	4
Ecotourism	0	0	0	0	1	0	0	0	0	0	1
Forestry	1	0	0	0	1	0	0	0	0	0	2
<b>Total</b>	<b>2</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>26</b>	<b>1</b>	<b>10</b>	<b>6</b>	<b>1</b>	<b>9</b>	<b>77</b>

## TRAINING & ASSESSMENT CAPACITY



**Certified Trainers**  
4717\*



**Certified Assessors**  
756\*



**Trained and Certified Candidates**  
561720\*



**No. of States and UTs Covered**  
28\*



**Affiliated Training Centers (PAN INDIA)**  
909\*

\* Numbers as on June 2024

## Qualifications / Job Roles

Sectors	S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
SOLAR	1	Solar PV Installer (Suryamitra) SGJ/Q0101	4	Total 420 Notional hours i.e. 14 Credits (including Theory : 210 + Practical : 150 + OJT : 60)	<ul style="list-style-type: none"> <li>12th grade Pass (Science) + or Equivalent) with NA of experience</li> <li>10th grade pass with 3 Years of experience Renewable energy/power sector experience</li> <li>10th grade pass ( 2 years of any combination of NTC/NAC/CITS or equivalent in relevant trade ) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level (3.5 Solar PV Site Survey Assistant)</li> <li>Previous relevant Qualification of NSQF Level (3.0 Assistant Technician – Solar Panel Installation) with 3 Years of experience Renewable energy/power sector experience</li> </ul>
	2	Solar PV Installer - Electrical SGJ/Q0102	4	Total 390 Notional hours i.e. 13 Credits (including Theory : 165 + Practical: 105+OJT : 120)	<ul style="list-style-type: none"> <li>12th grade Pass (with Science or Equivalent) with NA of experience</li> <li>10th grade pass with 3 Years of experience Renewable energy/power sector experience</li> <li>10th grade pass ( with 2 years of any combination of NTC/NAC/CITS in relevant trade) with NA of experience</li> <li>Previous relevant Qualification of NSQF Level [3.5 (Solar PV Site Survey Assistant)]</li> <li>Previous relevant Qualification of NSQF Level [3.0 (Assistant Technician – Solar Panel Installation)] with 3 Years of experience of Renewable energy/ power sector experience</li> </ul>
	3	Solar PV Cell Manufacturing Technician SGJ/Q0203	4	420 Hours: (Theory: 130 hours + Practical:110 hours+ 60 hours of employability skills + 120 hours of OJT)	<ul style="list-style-type: none"> <li>12th Grade</li> <li>Completed 2nd year of 3-year diploma (after 10th) and pursuing regular diploma</li> <li>10th grade pass plus 2-year NTC</li> <li>10th grade pass plus 1-year NTC plus 1 year NAC</li> <li>8th pass plus 2-year NTC plus 1 Year NAC plus CITS</li> <li>Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass 3 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3.5 with 1.5 year relevant experience</li> </ul>

S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
4	<b>Solar EV Charging Entrepreneur</b> SGJ/Q1801	4	390 Hours including 300 hours of mandatory NOS (with 60 hours of employability skills) and 90 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience</li> <li>• 10th Class Pass + NTC (2 years after Class 10th)</li> <li>• 10th Class Pass with 3 Year Diploma, with no experience</li> <li>• 12th Class Pass, with 6 months of relevant experience</li> <li>• Certified on relevant NSQF Level 3, with 2 years of relevant experience</li> </ul>
5	<b>Solar Cold Storage Entrepreneur</b> SGJ/Q1802	4	390 Hours including 300 hours of mandatory NOS (with 60 hours of employability skills) and 90 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 10th Class Pass + NTC (1 year after Class 10th), with 1 year of relevant experience</li> <li>• 10th Class Pass + NTC (2 years after Class 10th)</li> <li>• 10th Class Pass with 3 Year Diploma, with no experience</li> <li>• 12th Class Pass, with 6 months of relevant experience</li> <li>• Certified on relevant NSQF Level 3, with 2 years of relevant experience</li> </ul>
6	<b>Junior Technician-Solar EV Charging Station</b> SGJ/Q4001	3	330 Hours including 270 hours of mandatory NOS (with 30 hours of employability module) and 60 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 8th Class Pass + NTC (2 years)</li> <li>• 10th Class Pass</li> <li>• Certified on relevant NSQF Level 2 (e.g. Solar PV Project Helper), with 2 years of relevant experience</li> </ul>
7	<b>Junior Technician-Solar Cold Storage</b> SGJ/Q4002	3	330 Hours including 270 hours of mandatory NOS (with 30 hours of employability module) and 60 hours of On the Job (OJT) training	<ul style="list-style-type: none"> <li>• 8th Class Pass + NTC ( 2 years)</li> <li>• Class 10th Pass</li> <li>• Previous relevant Qualification of NSQF Level 2 (e.g. Solar PV Project Helper), with 1 year of relevant experience</li> </ul>
8	<b>Rooftop Solar Grid Junior Engineer</b> SGJ/Q0106	5	Total 540 hours i.e. 18 Credits (Theory : 150 Hours + Practical : 210 Hours + OJTM : 180 hours )	<ul style="list-style-type: none"> <li>• Completed 4 year UG program (UG Diploma in Electrical/Electronics or equivalent) with NA of experience</li> <li>• 12th grade Pass ( with 1 year of NTC/NAC in relevant trade)</li> <li>• 10th grade pass (with 3-year Diploma in Electrical/Civil/Mechanical Engineering)</li> <li>• Previous relevant Qualification of NSQF Level ( 4.5)</li> <li>• Previous relevant Qualification of NSQF Level [Solar PV Installer (Suryamitra)] with 3 Years of experience of relevant experience in renewable energy/power sector</li> </ul>
9	<b>Solar Water Pumping Junior Engineer</b> SGJ/Q0112	5	Total 540 hours i.e. 18 Credits (Theory : 225 hours + Practical : 225 hours + OJT : 90 hours )	<ul style="list-style-type: none"> <li>• Completed 2nd year of UG (UG Diploma) ((Electrical/Electronics) or equivalent) with NA of experience</li> <li>• 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</li> <li>• 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</li> <li>• 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</li> <li>• Previous relevant Qualification of NSQF Level [Previous relevant qualification of level 4 (Solar PV Installer (Suryamitra))] with 3 Years of experience 3 years of relevant experience in renewable energy/ power sector</li> </ul>
10	<b>Solar Lighting Assembler</b> SGJ/Q0201	4	Total 450 Notional hours i.e. 15 Credits (Theory : 180 + Practical : 180 hours + OJT : 90)	<ul style="list-style-type: none"> <li>• 12th grade Pass (with science or equivalent)</li> <li>• 10th grade pass (with 2 years of any combination of NTC/NAC/CITS or equivalent in relevant trade) with NA of experience</li> <li>• 10th grade pass with 3 Years of experience Renewable energy/power sector/light assembling</li> <li>• Previous relevant Qualification of NSQF Level (3.5)</li> <li>• Previous relevant Qualification of NSQF Level (3) with 3 Years of experience experience in Renewable energy/power sector/light assembling</li> </ul>

S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
11	<b>Solar PV Module Manufacturing Technician</b> SGJ/Q0119	4	Total 420 hours i.e. 14 Credits (Theory : 180 + Practical : 120 + OJT : 120 Hours)	<ul style="list-style-type: none"> <li>• 12th grade Pass (with Science or equivalent) with 1 Year of experience of relevant experience in renewable energy/power sector</li> <li>• 10th grade pass with 3 Years of experience of relevant experience in renewable energy/power sector</li> <li>• 10th grade pass with 2 Years of experience of any combination of NTC/NAC/CITS or equivalent in relevant trade</li> <li>• Previous relevant Qualification of NSQF Level (3.5)</li> <li>• Previous relevant Qualification of NSQF Level (3 - Solar Manufacturing-Junior Technician) with 3 Years of experience of relevant experience in renewable energy/power sector</li> </ul>
12	<b>Solar PV Installation Helper</b> SGJ/Q0111	2	Total 270 Notional Hours i.e. 09 Credits ( Including Theory : 150 hours & Practical : 90 Hours + 30 hours On the Job Training )	<ul style="list-style-type: none"> <li>• Ability to read and write with 1 Year of experience</li> <li>• Relevant experience in solar/power sector</li> </ul>
13	<b>Solar Photovoltaic Entrepreneur</b> SGJ/Q0901	5	540 hours (150 hours mandatory + 60 hours Employability Skills + 90 hours OJT + 240 hours of 1 elective)	<ul style="list-style-type: none"> <li>• Completed 2nd year of UG</li> <li>• Pursuing 2nd year of UG and continuous education</li> <li>• Completed 2nd year of diploma (after 12th)</li> <li>• Pursuing 2nd year of 2-year diploma after 12th</li> <li>• 12th pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>• Completed 3 year diploma after 10th with 1 year relevant experience</li> <li>• 12th Grade pass with 2 year relevant experience</li> <li>• 10th Grade pass with 4 year relevant experience</li> <li>• Previous relevant Qualification of NSQF Level 4 and with minimum education as 8th Grade pass with 3 year relevant experience</li> </ul>
14	<b>Solar Domestic Product Assembler</b> SGJ/Q4902	2.5	270 hours of total notional duration (125 hours theory + 85 hours practical + 30 hours of Employability Skills Module and 30 hours of On Job Training (OJT)	<ul style="list-style-type: none"> <li>• 8th Class Pass and pursuing continuous schooling Or8</li> <li>• 9th Grade pass with no experience</li> <li>• 5th grade pass with 4 years of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level 1 with 1.5 years of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level 2 with 6 months of relevant experience</li> </ul>
15	<b>Solar Manufacturing - Junior Technician</b> SGJ/Q4901	3	Total 300 notional hours duration including 240 Hours of Mandatory NOS (140 hours theory, 100 hours practical,) along with 30 hours of On the Job Training (OJT) and 30 hours of Employability Skills Module.	<ul style="list-style-type: none"> <li>• 9th Grade pass and pursuing continuous schooling in regular school</li> <li>• Grade 8 pass with two year of (NTC/ NAC) after 8th Grade Pass with 2 years relevant experience Previous relevant</li> <li>• Qualification of NSQF Level 2.5 with 1.5 years of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level 2 with 3 years of relevant experience</li> </ul>
16	<b>Solar PV Site Survey Assistant</b> SGJ/Q1203	3.5	Total 390 notional hours duration including 185 hours of theory, 145 hours of practical ,30 hours of Employability Skills Module and 30 hours of On-the-Job Training (OJT)	<ul style="list-style-type: none"> <li>• 10th grade pass and pursuing continuous schooling</li> <li>• 11th Grade pass Or Completed 1st year of 3 year diploma after 10th</li> <li>• 8th grade pass with two years of NTC plus 1 year NAC/CITS</li> <li>• 8th Grade pass with 3 years of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level 3 with 1.5 year relevant experience</li> <li>• Previous relevant Qualification of NSQF Level 2.5 with 3 year relevant experience</li> </ul>
17	<b>Solar Photovoltaic Technician</b> SGJ/Q4004	4	Total 390 Hours i.e. 13 Credits (Including 330 Hours of Mandatory NOS with 60 hours of Employability Skills	<ul style="list-style-type: none"> <li>• 11th grade pass ( and pursuing continuous schooling) with NA of experience</li> <li>• Pursuing 2nd year of 2-year diploma after 12th [or Completed 2nd year of 3-year diploma (after 10th)] with NA of experience</li> <li>• 10th grade pass ( with two years of any combination of NTC/NAC/CITS or equivalent) with NA of experience</li> <li>• 11th grade pass with 1 Year of experience relevant experience</li> <li>• 10th grade pass with 2 Years of experience relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (Level 3.5 ) with 3 Years of experience relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (Level 3) with 3-5 Years of experience with 3.5 years of relevant experience</li> </ul>

S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
18	<b>Agrivoltaics Installer Electrical</b> SGJ/Q0122	4	Total: 510 Notional hours (Theory : 250 + Practical : 170 and 90 hours of OJT)	<ul style="list-style-type: none"> <li>• 12th grade Pass (or equivalent) with NA of experience</li> <li>• Pursuing 3rd year of 3-year diploma after 10th (Electrical/ Mechanical) with NA of experience</li> <li>• 10th grade pass</li> <li>• Previous relevant Qualification of NSQF Level (3.5)</li> <li>• Previous relevant Qualification of NSQF Level (3)</li> </ul>
19	<b>Solar Enterprise Assistant Manager</b> SGJ/Q2601	5	Total 510 ( Theory: 120 hours: Practical: 180 hours: Employability Skills: 60 hours and OJT: 150 hours)	<ul style="list-style-type: none"> <li>• Diploma with NA of experience</li> <li>• 12th grade Pass (2 year diploma in relevant field) with 1 Year of experience of relevant experience</li> <li>• 10th grade pass (Plus 3 year diploma in relevant field) with 1 Year of experience of relevant experience</li> <li>• Previous relevant Qualification of NSQF Level (4) with 3 Years of experience of relevant experience</li> </ul>
20	<b>Solar PV Business Development Executive</b> SGJ/Q0107	Under Revision	Under Revision	Under Revision
21	<b>Solar Proposal Evaluation Specialist</b> SGJ/Q0105	Under Revision	Under Revision	Under Revision
22	<b>Solar PV Designer</b> SGJ/Q0110	Under Revision	Under Revision	Under Revision
23	<b>Solar PV installer (Civil)</b> SGJ/Q0103	Under Revision	Under Revision	Under Revision
24	<b>Solar PV Project Manager (E&amp;C)</b> SGJ/Q0114	Under Revision	Under Revision	Under Revision
25	<b>Solar PV Maintenance Technician- Electrical (Ground Mount)</b> SGJ/Q0115	Under Revision	Under Revision	Under Revision
26	<b>Solar PV Structural Assistant Design Engineer</b> SGJ/Q0109	Under Revision	Under Revision	Under Revision