

## SECTOR-WISE QUALIFICATION FOR TRAINING

Sector	NSQF Job Levels (L)								Total
	L2	L2.5	L3	L3.5	L4	L5	L6	L7	
Solar	1	1	3	1	10	6	0	2	24
Green Hydrogen	0	0	4	0	1	1	0	0	6
Wind	0	0	1	0	3	2	0	0	6
Small Hydro	0	0	0	0	1	0	0	0	1
Bio-Energy	0	0	3	0	3	1	2	1	10
Clean Cooking	0	0	1	0	2	1	0	0	4
Paper	0	0	1	0	1	0	0	0	2
Waste Management	0	0	3	0	3	0	0	0	6
FSSM	0	0	2	0	1	0	0	0	3
Waste Water	0	0	1	0	1	0	0	0	2
Rain Water	0	0	1	0	1	0	0	0	2
<b>Total</b>	<b>1</b>	<b>1</b>	<b>20</b>	<b>1</b>	<b>27</b>	<b>11</b>	<b>2</b>	<b>3</b>	<b>66</b>

## TRAINING & ASSESSMENT CAPACITY



**Certified Trainers**  
3481\*



**Certified Assessors**  
646\*



**Trained and Certified Candidates**  
527535\*



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



**Affiliated Training Centers** (PAN INDIA)  
528\*

\* Numbers as on June 2023

## 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	420 hours (360 hours mandatory NOS including 60 hours of Employability module + 60 hours of OJT)	<ul style="list-style-type: none"> <li>10th pass + ITI (1 year) (Electrical/ Electronics/Civil/ Mechanical/ Fitter/ Instrumentation/ Welder or any related trade)</li> <li>Diploma after class 10th (Government recognized 3 years Diploma (Electrical/ Mechanical/ Civil/Agriculture / Electronics &amp; Communication/ Control &amp; Instrumentation or in a related discipline)</li> <li>12th Pass with Science</li> <li>10th grade pass and pursuing continuous schooling</li> <li>10th Pass with 2 years of Experience</li> <li>NSQF level 3 certified in relevant job role with 2 years of relevant experience</li> </ul>
	2	Solar PV Installer – Electrical SGJ/Q0102	4	390 hours (270 hours mandatory NOS with 60 hours of employability module + 120 hours of OJT)	<ul style="list-style-type: none"> <li>10th pass + ITI (1 year) (Electrical/ Electronics/Civil/ Mechanical/ Fitter/ Instrumentation/ Welder or any related trade)</li> <li>Diploma after class 10th (Government recognized 3 years Diploma (Electrical/ Mechanical/ Civil/Agriculture/ Electronics &amp; Communication / Control &amp; Instrumentation or in a related discipline)</li> <li>12th Pass with Science</li> <li>10th grade pass and pursuing continuous schooling</li> <li>10th pass with 2 years of Experience</li> <li>NSQF level 3 certified in relevant job role with 2 years of relevant experience</li> </ul>
	3	Solar PV Installer-Civil SGJ/Q0103	4	390 hours (240 hours mandatory NOS including 60 hours of Employability module + 150 hours of OJT)	<ul style="list-style-type: none"> <li>10th pass + ITI (1 year)(Electrical/ Electronics/Civil/ Mechanical/Fitter/ Instrumentation/ Welder or any related trade)</li> <li>Diploma after class 10th (Government recognized 3 years Diploma (Electrical/ Mechanical/Civil/Agriculture/Electronics &amp; Communication /Control &amp; Instrumentation or in a related discipline)</li> <li>12th Pass with Science</li> <li>10th grade pass and pursuing continuous schooling</li> <li>10th Pass with 2 years of Experience</li> <li>NSQF level 3 certified in relevant job role with 2 years of relevant experience</li> </ul>
	4	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
5	<b>Solar PV Structural Assistant Design Engineer SGJ/Q0109</b>	5	510 hours (330 hours Mandatory + 60 hours Employability Skills + 120 hours OJT)	<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 12<sup>th</sup></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>
6	<b>Solar PV Business Development Executive SGJ/Q0107</b>	5	510 hours (330 hours Mandatory + 60 hours Employability Skills + 120 hours OJT)	<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 2<sup>nd</sup> year of 2-year diploma after 12<sup>th</sup></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>
7	<b>Solar PV Designer SGJ/Q0110</b>	7	690 hours (450 hours mandatory + 90 hours employability skills + 150 hours OJT)	<ul style="list-style-type: none"> <li>Pursuing PhD with no Experience Required</li> <li>Pursuing 2nd year of 2 year PG Eng. with no Experience Required</li> <li>Completed 3 year UG degree with 3 years of relevant experience</li> <li>Completed 4 year UG degree with Honours / Honours with research with 2years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 6 with 3 years of relevant experience</li> </ul>
8	<b>Solar PV Engineer (Option: Solar Water Pumping System) SGJ/Q0112</b>	5	540 hours (390 hours mandatory + 60 hours employability skills + 90 hours OJT)	<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>
9	<b>Solar PV Maintenance Technician- Electrical (Ground Mount) SGJ/Q0115</b>	4	420 hours (270 hours mandatory + 60 hours employability skills + 90 hours OJT)	<ul style="list-style-type: none"> <li>12th Grade Pass without experience</li> <li>10th Grade Pass plus 2 year NTC / 10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling without experience</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC / ITI plus 1 year NAC plus CITS</li> <li>Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience</li> </ul>
10	<b>Solar PV Project Manager (E&amp;C) SGJ/Q0114</b>	7	660 hours (420 hours Mandatory + 90 hours Employability Skills + 150 hours OJT)	<ul style="list-style-type: none"> <li>Pursuing PhD with no Experience Required</li> <li>Pursuing 2nd year of 2 year PG Eng. with no Experience Required</li> <li>Completed 3 year UG degree with 3 years of relevant experience</li> <li>Completed 4 year UG degree with Honours / Honours with research with 2 yrs of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 6 with 3 years of relevant experience</li> </ul>
11	<b>Solar PV Module Manufacturing Technician SGJ/Q0119</b>	4	420 hours (240 hours mandatory modules + 120 hours OJT + 60 hours employability skills)	<ul style="list-style-type: none"> <li>12th Grade Pass without experience</li> <li>10th Grade Pass plus 2 year NTC/10th Grade Pass plus 1 year NTC plus 1 year NAC/ 10th Grade Pass and pursuing continuous schooling without experience</li> <li>10th Grade Pass with 2 years of relevant experience</li> <li>8th Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>Completed 2nd year of 3 year diploma (after 10th) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8th grade pass with 3 years of experience</li> </ul>
12	<b>Solar PV Project Helper SGJ/Q0111</b>	2	270 hours (210 hours mandatory with 30 hours employability skills + 60 hours OJT)	<ul style="list-style-type: none"> <li>No formal education prescribed / May require ability to read and write for some qualifications, No Experience required. However, 1 year relevant experience may be desirable for some qualifications</li> <li>Previous relevant Qualification of NSQF Level 1 with no Experience required</li> </ul>

S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
13	Solar Photovoltaic Entrepreneur 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>Pursuing 2<sup>nd</sup> year of 2-year diploma after 12<sup>th</sup></li> <li>12<sup>th</sup> pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10<sup>th</sup> with 1 year relevant experience</li> <li>12<sup>th</sup> Grade pass with 2 year relevant experience</li> <li>10<sup>th</sup> Grade pass with 4 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8<sup>th</sup> Grade pass with 3 year relevant experience</li> </ul>
14	Rooftop Solar Grid Engineer SGJ/Q0106	5	540 hours (300 hours Mandatory + 60 hours Employability Skills + 180 hours OJT)	<ul style="list-style-type: none"> <li>Completed 2<sup>nd</sup> year of UG</li> <li>Pursuing 2<sup>nd</sup> year of UG and continuous education</li> <li>Completed 2<sup>nd</sup> year of diploma (after 12<sup>th</sup>)</li> <li>Pursuing 2<sup>nd</sup> year of 2-year diploma after 12<sup>th</sup></li> <li>12<sup>th</sup> pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10<sup>th</sup> with 1 year relevant experience</li> <li>12<sup>th</sup> Grade pass with 2 year relevant experience</li> <li>10<sup>th</sup> Grade pass with 4 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8<sup>th</sup> Grade pass with 3 year relevant experience</li> </ul>
15	Solar Proposal Evaluation Specialist SGJ/Q0105	5	480 hours (330 hours Mandatory + 60 hours Employability Skills + 90 hours OJT)	<ul style="list-style-type: none"> <li>Completed 2<sup>nd</sup> year of UG</li> <li>Pursuing 2<sup>nd</sup> year of UG and continuous education</li> <li>Completed 2<sup>nd</sup> year of diploma (after 12<sup>th</sup>)</li> <li>Pursuing 2<sup>nd</sup> year of 2-year diploma (after 12<sup>th</sup>)</li> <li>12<sup>th</sup> pass with 1 year Vocational Education &amp; training (NTC or NAC or CITS)</li> <li>Completed 3 year diploma after 10<sup>th</sup> with 1 year relevant experience</li> <li>12<sup>th</sup> Grade pass with 2 year relevant experience</li> <li>10<sup>th</sup> Grade pass with 4 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 and with minimum education as 8<sup>th</sup> Grade pass with 3 year relevant experience</li> </ul>
16	Solar Lighting Assembler SGJ/Q0201	4	420 hours (300 hours mandatory NOS with 30 hours Employability module) + 90 hours of OJT + 30 hours either Elective 1/ or Elective 2	<ul style="list-style-type: none"> <li>12<sup>th</sup> Grade Pass without experience</li> <li>10<sup>th</sup> Grade Pass plus 2 year NTC / 10<sup>th</sup> Grade Pass plus 1 year NTC plus 1 year NAC/ 10<sup>th</sup> Grade Pass and pursuing continuous schooling without experience</li> <li>10<sup>th</sup> Grade Pass with 2 years of relevant experience</li> <li>8<sup>th</sup> Pass plus 2 year NTC plus 1 year NAC plus CITS</li> <li>Completed 2<sup>nd</sup> year of 3 year diploma (after 10<sup>th</sup>) and pursuing regular diploma</li> <li>Previous relevant qualification of NSQF Level 3.0 with minimum education as 8<sup>th</sup> grade pass with 3 years of experience</li> </ul>
17	Solar Cold Storage Entrepreneur 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>10<sup>th</sup> Class Pass + NTC (1 year after Class 10<sup>th</sup>), with 1 year of relevant experience</li> <li>10<sup>th</sup> Class Pass + NTC (2 years after Class 10<sup>th</sup>)</li> <li>10<sup>th</sup> Class Pass with 3 Year Diploma, with no experience</li> <li>12<sup>th</sup> Class Pass, with 6 months of relevant experience</li> <li>Certified on relevant NSQF Level 3, with 2 years of relevant experience</li> </ul>
18	Junior Technician- Solar Cold Storage 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>8<sup>th</sup> Class Pass + NTC (2 years)</li> <li>Class 10<sup>th</sup> Pass</li> <li>Previous relevant Qualification of NSQF Level 2 (e.g. Solar PV Project Helper), with 1 year of relevant experience</li> </ul>
19	Solar EV Charging Entrepreneur 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>10<sup>th</sup> Class Pass + NTC (1 year after Class 10<sup>th</sup>), with 1 year of relevant experience</li> <li>10<sup>th</sup> Class Pass + NTC (2 years after Class 10<sup>th</sup>)</li> <li>10<sup>th</sup> Class Pass with 3 Year Diploma, with no experience</li> <li>12<sup>th</sup> Class Pass, with 6 months of relevant experience</li> <li>Certified on relevant NSQF Level 3, with 2 years of relevant experience</li> </ul>
20	Junior Technician- Solar EV Charging Station 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>8<sup>th</sup> Class Pass + NTC (2 years)</li> <li>10<sup>th</sup> Class Pass</li> <li>Certified on relevant NSQF Level 2 (e.g. Solar PV Project Helper), with 2 years of relevant experience</li> </ul>
21	Solar Domestic Product Assembler SGJ/Q4902	2.5	240 hours of total notional duration (125 hours theory + 85 hours practical + 30 hours of Employability Skills Module)	<ul style="list-style-type: none"> <li>★ Submitted to NCVET for Approval</li> </ul>
22	Junior Technician- Solar Manufacturing SGJ/Q4901	3	Total 270 notional hours duration including 240 Hours of Mandatory NOS (140 hours theory, 100 hours practical and 30 hours of Employability Skills Module.	<ul style="list-style-type: none"> <li>★ Submitted to NCVET for Approval</li> </ul>

S.No.	Name of the Qualification	NSQF Level	Course Duration/ Training Hours	Trainee Education/Qualification
23	Solar PV Site Survey Assistant SGJ/Q1203	3.5	Total 360 notional hours duration including 185 hours of theory, 145 hours of practical and 30 hours of Employability Skills Module	★ Submitted to NCVET for Approval
24	Solar Photovoltaic Technician SGJ/Q4004	4	Total 390 notional hours duration (200 hours theory, 130 hours practical and 60 hours of Employability Skills)	★ Submitted to NCVET for Approval
25	Green Hydrogen Plant Entrepreneur SGJ/Q0121	5	480 hours: (Theory: 155 hours + Practical: 145 hours+ 90 hours of employability skills + 90 hours of OJT)	<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 of relevant experience</li> <li>12th Grade pass with 2 years of relevant experience</li> <li>10th Grade pass with 4 years of relevant experience</li> <li>Previous relevant Qualification of NSQF Level 4 with 2 years relevant experience</li> </ul>
26	Green Hydrogen Plant Technician SGJ/Q0120	4	420 hours: (Theory: 160 hours + Practical:140 hours + 60 hours of employability skills + 60 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>11th grade pass and pursuing continuous schooling</li> <li>10th Grade Pass with 2 year relevant experience</li> <li>Previous relevant Qualification of NSQF Level 3.0 with minimum education as 8th Grade pass 3 year relevant experience</li> </ul>
27	Green Hydrogen Plant Junior Technician- Power Sources SGJ/Q4301	3	Total 360 hours: (Theory: 170 hours+Practical:100 hours+ 30 hours of employability skills + 60 hours of OJT)	★ Submitted to NCVET for Approval
28	Green Hydrogen Plant Junior Technician- Electrolytes SGJ/Q4302	3	Total 330 hours : (Theory: 130 hours+ Practical:110 hours+30 hours of employability skills+60 hours of OJT)	★ Submitted to NCVET for Approval
29	Green Hydrogen Plant Junior Technician- Desalination SGJ/Q4303	3	Total 360 hours: (Theory: 170 hours + Practical: 100 hours + 30 hours of employability skills + 60 hours of OJT)	★ Submitted to NCVET for Approval
30	Green Hydrogen Plant Junior Technician - Storage SGJ/Q4304	3	Total 360 hours: (Theory:170 hours + Practical: 100 hours + 30 hours of employability skills + 60 hours of OJT)	★ Submitted to NCVET for Approval