Annexure 8.1: Occupations and Job Roles in Solar Electricity Generation

3 Digit NCO	*Four/Eight Digit NCO*	*NCO Description*	*SCGJ Job Role*
121-Business Services and Administration Managers	1211.9900	Finance Managers, Others	
	1212	Human Resource Managers	
	1219.0100	Manager, Import and Export	
132 - Manufacturing, Mining, Construction and Distribution Managers	1323.0100	Manager, Construction/Manager Construction Projects	Solar PV Project Manager (E&C)
214 - Engineering Professionals (Excluding Electrotechnology)	2141.0200	Instrument Engineer/Instrumentation Engineer	
	2141.0300	Industrial Engineer	
	2142.0100	Civil Engineer, General	
	2142.0300	Civil Engineer, Structural	
	2143.0100	Solar Energy System Designer	Solar PV Designer
	2144.0100	Mechanical Engineer, General	
	2144.0300	Tool Engineer	Solar PV Structural Assistant Design Engineer
	2144.0500	Mechanical Engineer, Structural	
	2144.0600	Mechanical Engineer, Maintenance	
	2144.1401	Service Engineer - Installation	
	2144.1402	Service Engineer - Installation and Commissioning	
215 - Electrotechnology Engineers	2151.0100	Electrical Engineer, General	Rooftop Solar Grid Engineer
241 - Finance Professionals	2411	Accountants	
	2412.0200	Financial Analyst	Solar Proposal Evaluation Specialist
	2412.0300	Budget Analyst	
243 - Sales, Marketing and Public Relations Professionals	2431.0501	Market Research Associate – Sales & Marketing/Business Development	Solar Photovoltaic Entrepreneur
	2433.0501	Sales Executive - Solar Electronics	
	2433.0601	Business Development Executive	Solar PV Business Development Executive
311 - Physical and Engineering Science Technicians	3112.9900	Civil Engineering Technicians, Other	Solar PV Installer - Civil
	3113.0101	Electrical Engineering, Technician/Maintenance Technician Electrical	Junior Technician- Solar EV Charging Station
	3113.0901	Cluster In-Charge	Solar EV Charging Entrepreneur
312 - Mining, Manufacturing and Construction Supervisors	3122	Manufacturing Supervisors	
	3123.0400	Electrical Supervisor, Wiring	
334 - Administrative and Specialised Secretaries			
411 - General Office Clerks			
413 - Keyboard Operators	4131.0600	Computer Operator	
	4132	Data Entry Clerks	
431 - Numerical Clerks			
441 - Other Clerical Support Workers			
524 - Other Sales Workers	5242.0101	Technical Demonstrator (Sale)/Area Technical Lead	
	5249	Sales Workers Not Elsewhere Classified	
541 - Protective Service Workers	5411	Fire Fighters	
	5414.0101	Security Officer	
	5414.0102	Assignment Manager	
	5414.0111	Security Supervisor	
	5414.0121	CCTV Supervisor	
	5414.0151	Armed Security Guard	
	5414.0400	Watchman	
	5414.0501	Gateman/Unarmed Security Guard	
611 - Market Gardeners & Crop Growers	6111.1300	Cultivator, Vegetables	Solar Cold Storage Entrepreneur
712 - Building Finishers and Related Trades Workers	7127.0100	Mechanic, Refrigeration and Air-Conditioning	Junior Technician- Solar Cold Storage
731 - Handicraft Workers	7311.0101	Technician Instrumentation	Solar PV Maintenance Technician-Electrical (Ground Mount)
	7411.0100	Electrician, General	Solar Lighting Assembler

3 Digit NCO	*Four/Eight Digit NCO*	*NCO Description*	*SCGJ Job Role*
741 - Electrical Equipment Installers and Repairers	7412.0200	Electrical Fitter	
	7413.0100	Lineman, Light and Power	
	7413.9900	Electrical Line Installers, Repairers and Cable Jointers, Other	
742 - Electronics and Telecommunication Installers and Repairers	7421.1401	Solar Panel Installation Technician	Solar PV Installer (Suryamitra)
			Solar PV Installer – Electrical
			Agrivoltaics Installer Electrical
	7421.1402	Solar Photo Voltaic System Installation Technician	Solar Photovoltaic Technician
	7421.1403	PV System Installation Engineer	Solar PV Engineer (Solar Water Pumping Junior Engineer)
	7422.1801	Site Surveyor/R F Site Surveyor	Solar PV Site Survey Assistant
	7422.1901	Assembly Line Operator	Solar PV Cell Manufacturing Technician
			Solar PV Module Manufacturing Technician
821 - Assemblers	8212.0400	Assembler, Electrical Accessories	Solar Manufacturing - Junior Technician
	8212.9900	Electrical and Electronic Equipment Assemblers, Other	Solar Domestic Product Assembler
931 - Mining and Construction Labourers	9313.0501	Helper Electrician	Solar PV Installation Helper / Solar PV Project Helper

Sources: NCAER analysis using information.

1. Ministry of Statistics and Programme Implementation, Government of India. 2023. Periodic Labour Force Survey (PLFS), July 2022-June 2023. Document No.: DDI-IND-CSO-PLFS-2022–23. https://microdata.gov.in/nada43/index.php/catalog/179.
2. National Career Service. Directorate General of Employment, Ministry of Labour and Employment, Government of India. National Classification Of Occupations-2015 (Code Structure).
3. Skill Council for Green Jobs website. https://sscgj.in/

Annexure 8.2: Occupations and Job Roles in Electricity Generation using Other non-Conventional Sources (for Wind)

3 Digit NCO	*Four/Eight Digit NCO*	*NCO Description*	*SCGJ Job Role*
216 - Architects, Planners, Surveyors and Designers	2165.9900	Cartographers and Surveyors, Other	Wind Resource Assessor and Site Surveyor-Wind Power Plant
311 - Physical and Engineering Science Technicians	3113.0102	Maintenance Technician Electrical	O&M Electrical & Instrumentation Technician –Wind Power Plant
	3115.0101	Mechanical Engineering Technician/Supervisor R&D Testing	Construction Technician- Wind Power Plant
	3115.0102	Maintenance Technician – Mechanical	O&M Mechanical Technician - Wind Power Plant
	3115.0501	Manager Maintenance Mechanical & Electrical	CMS Engineer - Wind Power Plant
312 - Mining, Manufacturing and Construction Supervisors	3122.1400	Supervisor and Foreman, Petroleum Refining and Related Activities/ Operator/ Engineering Assistant (Mechanical/ Electrical/ Civil/ Chemical) Related Activities	Project Assistant Planner - Wind Power Plant
	3122.4300	Supervisor and Foreman, Sheet and Structural Metal Working	
	3122.9900	Manufacturing Supervisors, Other	
	3123.0100	Work Supervisor, Construction	
411 - General Office Clerks	4110.0100	Clerk, General	
832 - Car, Van and Motorcycle Drivers	8321	Motorcycle Drivers	
	8322	Car, Taxi and Van Drivers	
932 - Manufacturing Labourers	-	-	
962 - Other Elementary Workers	-	-	

Sources: NCAER analysis using information from:

1. Ministry of Statistics and Programme Implementation, Government of India. 2023. Periodic Labour Force Survey (PLFS), July 2022-June 2023. Document No.: DDI-IND-CSO-PLFS-2022–23. https://microdata.gov.in/nada43/index.php/catalog/179.
2. National Career Service. Directorate General of Employment, Ministry of Labour and Employment, Government of India. National Classification of Occupations-2015 (Code Structure).
3. Skill Council for Green Jobs website. https://sscgj.in/