

## ANNEX 1: Proposed List of Materials and Equipment's

**Purpose of the procurement of material goods:** The procurement aims to provide all necessary materials, equipment, and tools to implement renewable energy access, productive use appliances, and clean cooking interventions in target communities. It also supports training, IEC outreach, monitoring, and operational logistics to ensure effective implementation and sustainable impact.

#	TYPES	Description of Material/Equipment	Capacity/Units	Unit Cost (€)	Total Cost (€)	Remarks/Notes
1	<b>Solar PV systems:</b> a). Fixed Solar PV Systems (off-grid)	Complete solar PV kits including panels, pure sine wave inverter, charge controller, lithium battery storage, mounting structures & battery racking, wiring, installation	2 systems × 10 kWp off-grid PV system each with below technical specs: PV systems 16 X 590W monocrystalline solar panels 24V, 5kWh Lithium ion battery c/w battery rack 8kWp inverter 80A MPPT charge controller C/W installation accessories Aluminium mounting structures 10m DC cables, cable lags, MC4 connectors, earthing equipment	approx 14,00 EUR	28,000	For community demonstration centres where end use training and demonstration of clean energy appliances as part of awareness creation
	b). Mobile Solar PV Units	Portable/trailer-mounted solar generators with integrated battery storage, charge controllers, pure sine wave inverters	6 Monocrystalline Solar Panels of 80W -1 Inverter of 1.5kW/12V -1 MPPT Charge Controller of 12V/50A -1 Lithium Ion battery of 100V/1.2kWh	~2,000 EUR for high end systems	12,000	Flexible deployment for training, IEC outreach, and temporary productive use

			Cables: -5 metres Auto DC cables -3 metres AC cable ;10 Cable lags; M8 x 6mm -AC & DC loads. 2 AC bulbs, 2 AC sockets, 2 DC bulbs -3 MCBs (2P,32A) --Screws and fasteners (set) Fabrication & Assembling Design -Mounting board (100 cm by 100 cm). The charge controller, inverter, loads shall be mounted on the board.			
2	<b>Productive Use of Energy (PUE) appliances</b>	solar milling machines, fridges, sewing machines, water pumps, grinders etc	Approx. 13–15 appliances (0.5–5 kW each)	1,500 EUR	20,000	Final selection based on site-level demand assessments
3	<b>Tools, installation accessories, and safety equipment</b>	Tool boxes, cables, connectors, PPE, grounding kits, signage etc.	6 sets of Equipment for all installations	1,000 EUR	6,000	To ensure quality installation and safety compliance
4	<b>Materials &amp; Equipment for stove production centers</b>	manual presses, moulds, cutting and welding tools, kilns, portable stove testing kits, protective gear, container, computer tablets etc	3 Production centres	10,000EUR	30,000	To strengthen local clean cooking value chains and enhance production capacity
6	<b>IT and communication equipment</b>	Laptops, printers/scanners, routers, projectors, UPS, mobile phones	Project coordination equipment	1	6,000	Project coordination, documentation, training support
7	<b>Training and IEC materials</b>	Flip charts, banners, posters, branded folders, handouts, display materials, T-shirts, caps, handouts etc	Procurement of Materials for workshops, community outreach, and IEC campaigns	1	11,000	Training, workshops, and communication events

8	Survey and data collection tools	GPS units, measuring tools, digital questionnaires, protective field gear	Field data collection kits	1	5,000	Market assessments, monitoring and evaluation
10	Transport, packaging, and insurance				10,000	Delivery to field locations as per implementation plan
	Total				128,000	