

Training

# Operation and maintenance of solar-powered lift irrigation systems

Date: 27 May 2026 | Time: 9:00 am to 5:00 pm

Venue: Temakha Solar Lift Irrigation site, Chubu Gewog, Punakha

## Agenda

Time	Topics	Speakers	Duration
09:00 am – 09:15 am	Registration	Bhutan Ecological Society (BES)	30 min
09:15 am – 09:20	Welcome	ICIMOD and DoE	5 min
09.20 am – 09:30 am	Overview (Trainers'/participants' introduction, objectives, and structure of the day, pre-training survey)	Renewable energy (RE) Expert	10 min
09:30 am – 10:30 am	Basics of solar pump operation (How solar pumps work, key components, and safe operation practices)	RE Expert	60 min
10:30 am – 10:45 am	Tea/coffee break		15 min
10:45 am – 11:45 am	Preventive maintenance practices (Cleaning panels, checking wiring, ensuring pump safety, avoiding dry runs, schedule for maintenance)	RE Expert	60 min
11.45 am - 12:15 pm	Responsibilities of community operators (day-to-day maintenance, tariff collection, water distribution etc.)	RE Expert	30 mins
12:15 pm – 12:45 pm	Troubleshooting common issues (No water, low water output, controller errors, shading problems, pump noise/vibration)	RE Expert	30 mins
12:45 pm – 1:25 pm	Lunch break		40 mins
1:25 pm – 2:00 pm	Travel to solar pump site	BES	30 mins
2:00 pm – 4:30 pm	Hands-on demonstration / field visit (On-site demo or simulation: checking panels, connectors, wiring, motor, controller display, etc.)	RE Expert	150 mins
4:30 pm – 5:00 pm	Wrap-up, Q&A, feedback (Summary of learning, open discussion, feedback collection, post-training survey)	RE Expert	30 mins