

Training of Trainers (ToT)

Detailed feasibility study (DFS) framework for renewable energy irrigation systems in Bhutan

Date: 25 May 2026

Time: 9:00 am to 5:00 pm

Venue: Thimphu Deluxe, Bhutan

Agenda

Time	Duration	Session title	Key content	Learning objectives
09:00 am– 09:30 am	30 min	Opening session: Introduction and training overview	Welcome remarks, participant introductions, training objectives and agenda	Align participants on objectives and establish a common understanding
09:30 am – 10:30 am	60 min	Session 1: Overview of the DFS framework	Structure, components, principles, scope and technologies covered	Understand framework architecture and DFS process flow
10:30 am– 11:00 am	30 min	Session 2: Scoping and site identification	Site selection criteria, data requirements, and project screening	Learn how to identify and prioritise suitable project sites
11:00 am– 11:15 am	15 min	Tea/coffee break		
11:15 am – 12:30 pm	75 min	Session 3: Technical assessment	Water resources, irrigation demand, technology selection, system design	Develop skills for technical feasibility assessment
12:30 pm– 1:30 pm	60 min	Lunch break		
1:30 pm– 2:30 pm	60 min	Session 4: Financial and economic analysis	Costing, financial indicators (net present value (NPV), internal rate of return (IRR)), and sensitivity analysis	Understand financial evaluation and decision-making tools
2:30 pm – 3:00 pm	30 min	Session 5: Environmental, gender and social considerations	Environmental impacts, gender analysis, social safeguards, stakeholder engagement	Integrate environmental, gender and social aspects into feasibility studies
3:00 pm – 3:15 pm	15 min	Tea/coffee break		

3:15 pm – 4:15 pm	60 min	Session 6: Risk assessment and implementation planning	Risk identification, mitigation strategies, and implementation roadmap	Build capacity to manage risks and plan implementation
4:15 pm – 4:45 pm	30 min	Session 7: Application of DFS framework (Case exercise)	Group case application and presentations	Apply learning in a practical context and strengthen analytical skills
4:45 pm – 5:00 pm	15 min	Closing session	Recap, participant feedback, next steps	Consolidate learning and gather feedback