Renewable World
TACKLING POVERTY THROUGH RENEWABLE ENERGY

Community Implementation Model (CIM)

PHASE 1 Pre-Feasibility

START
Identify potential opportunities: rural pockets, households, individuals, MFI, collection centres, VDC, bank, community, and/or others.

- P1.1. Marketing materials

1.1 **MARKETING AND DEMAND** Generation and informal assessment of demand

Consulting with a technology partner for informal pre-feasibility advice

- P1.2.1. Technical data collection tools
- P1.2.2. Socioeconomic data collection tool

1.2 Local partner undertakes a **PREFEASIBILITY STUDY** using RW Templates

- P1.3. Site Selection Criteria

1.3 Initial assessment of site against **SITE SELECTION CRITERIA** – potential site?

Yes → Partner requests to undertake full feasibility study

No → Return to start

GATE 1

Requirements:
- Completed Pre-Feasibility Study
- Completed Site Selection Criteria

PHASE 2 Full Feasibility

Full Feasibility Part 1
- P2.1.1. Technical data collection tools
- P2.1.2. Socioeconomic Data Collection
- P2.1.3. Focus Group Discussion Tools

2.1 **Full Feasibility Part 1: Site Visit & Data Collection** Partner undertakes site visit to collect data and assess feasibility.

2.2 **Full Feasibility Part 2: Desktop Study & Appraisal** Project financial and sustainability appraisal

Output: Completed Full Feasibility Report, including technical, economic and social impacts, and Value for Money (VfM)

Full Feasibility Part Two
- P2.2.1. Economic analysis
- P2.2.2. Project budgeting
- P2.2.3. Schedule and Outputs
- P2.2.4 Project Design Guidelines
- P2.2.5 Feasibility Report.

2.3 Partner/Service provider/RW will give **approval** for project implementation

Regional NGO, bank(s), investor or other source of grant determines whether to allocate **funding** for the project

GATE 2

Requirements:
- Completed Full-Feasibility Study
- Adequate funding

PHASE 3 Community Mobilisation

- P.3.1.1. Household Surveys
- P.3.1.2. Agricultural Surveys
- P.3.1.3. Microenterprise Surveys
- P.3.1.4. Case Studies

3.1 **Baseline Surveys**

Output: Signed Constitution, Proof of entity registration, Elections held and committee established; Confirmed fees.

- P.3.2.1. Constitution Template
- P.3.2.2. Committee Registration Guidelines
- P.3.2.3. Community Registration and Fees Checklist

3.2 **Community Formation and Registration,** review cash flow and agree fee structure.

- P.3.3.1. Financial Literacy Training
- P.3.3.2. Good Governance Training
- P.3.4. Micro Enterprise Workshop

3.3 **Financial Literacy and Good Governance Training**

Output: Proof of understanding of financial and micro enterprise terms

3.4 **Micro Enterprise Workshop**

- P.3.5.1. Guidelines for Public Audit
- P.3.5.2. Initial Public Hearing
- P.3.5.3. Community Implementation Schedule

3.5 **Public Audit – Initial Public Hearing** Preparation of Community Implementation Schedule

GATE 3

Requirements:
-Signed Constitution
- Proof of registration
- Elected executive
- Confirmed fees
- Proof of understanding of financial and micro enterprise terms.

PHASE 4 Final Design & Construction

- P4.1. Final Design Specification

4.1 Create **final design specification** of system

- P4.2. Tender Forms

4.2 **Tender** to select supplier

Community construct distribution network and/or provide cash or payment in kind

- P4.3.1. Tender Evaluation Tools
- P4.3.2. Design Verification
- P4.3.3 Contract Template

4.3 **Tender Evaluation and Contract:** Evaluate tenders & check design; Due diligence & entering Contract

- P4.4. Construction Management Tools

4.4 **Construction Management** Construction of system based on RW Authorised Design

- P4.5.1. Public Audit
- P4.5.2. Technical Audit (Handover)

4.5 **Technical Handover** Public audit; performance testing, Technical audit and sign-off of works.

GATE 4

Requirements:
-RES installed to design specification
- Performance testing and social audits completed

PHASE 5 Capacity Building

- P5.1.1. Training Tools
- P5.1.2. Service Level Agreement
- P5.1.3. Revised Cash Flow & Fee Collection

5.1 Capacity building with **Community Owned Energy Hub**

- 5.2 Training Tools

5.2 Capacity building with new **Enterprises**

Capacity building with **Agricultural** End Users (where relevant)

- P5.3.1. Final Public Audit
- P5.3.2. Post-Implementation Review
- P5.3.3. Case Study & Baseline Survey Follow Up

5.3 Complete post-implementation assessment (Sustainability Toolkit). Intervention sustainable?

Yes → Finalise project handover

No → Return to Step 5.1 and deliver further rounds of training as required.

- 5.4 Handover Form

5.4 Finalise project handover

COMMUNITY IMPLEMENTATION CLOSE

Requirements:
-Capacity building completed
-Service Level Agreement
- Pre-Handover Assessment Complete