Project Finance for Renewable Energy Training Course

Professional Development Training Course Outline

Category	Renewable Energy	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Project Finance for Renewable Energy Training Course is designed to build advanced capabilities in renewable energy project finance, financial modelling, bankability, capital structuring, risk allocation, and energy transition investment. As renewable energy markets expand, investors and lenders are increasingly focused on projects with credible revenue models, robust financial structures, secure offtake arrangements, and clearly allocated risks. Current market developments also highlight the growing importance of battery storage, grid integration, blended finance, green bonds, concessional capital, ESG, and institutional investment.

The course takes participants from project development and feasibility assessment through financial close and investment management, combining technical concepts with practical transaction analysis. Participants examine how to structure debt and equity, Power Purchase Agreements (PPAs), guarantees, risk mitigation instruments, green financing, and blended-finance solutions, with particular attention to emerging and developing markets. Project finance remains a major structure for energy blended finance, while renewable energy has become a dominant focus of recent energy project-finance activity.

Programme Curriculum

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Course Objectives

By the end of the course, participants will be able to:

1. Understand renewable energy project finance fundamentals and the principles of non-recourse and limited-recourse financing.
2. Evaluate project bankability using technical, commercial, legal, financial, ESG, and regulatory criteria.
3. Develop and interpret renewable energy financial models, including project cash flows, debt schedules, returns, and sensitivities.
4. Structure optimal debt-equity capital stacks for solar, wind, hydro, geothermal, storage, and hybrid projects.
5. Analyse Power Purchase Agreements, offtake structures, tariffs, merchant exposure, and revenue certainty.
6. Assess project risks and design appropriate allocation, mitigation, guarantees, insurance, and contractual protections.
7. Evaluate debt service capacity, DSCR, LLCR, IRR, NPV, LCOE, WACC, and financial-close requirements.
8. Design blended-finance and concessional-finance structures that mobilise private capital for clean-energy projects.
9. Apply green bonds, sustainable loans, ESG-linked finance, and other sustainable-finance instruments.
10. Evaluate country risk, currency risk, interest-rate risk, political risk, offtaker risk, and regulatory risk.
11. Analyse the financing requirements of battery energy storage, grid-connected renewables, hybrid projects, and distributed energy systems.
12. Build an investment case and financing strategy suitable for lenders, equity investors, DFIs, infrastructure funds, and institutional capital.
13. Apply transaction structuring and financial-close techniques through realistic renewable-energy case studies and investment scenarios.

Target Audience

1. Renewable Energy Project Developers
2. Project Finance Professionals
3. Investment & Commercial Bankers
4. Infrastructure & Private Equity Investors
5. Corporate Finance & Treasury Professionals
6. Government, Energy-Regulator & PPP Officials
7. Development Finance Institution (DFI) & Climate-Finance Professionals
8. Energy Consultants, Legal Advisors & Financial Analysts

Course Modules

Module 1: Renewable Energy Project Finance Fundamentals

- Project finance architecture.
- Project lifecycle from development to financial close, construction, operations, and refinancing.
- Key stakeholders-sponsors, lenders, investors, EPC contractors, O&M providers, governments, and offtakers.
- Understanding bankability, investment readiness, credit quality, and financing constraints.
- Case Study: Structuring a utility-scale solar PV project from feasibility stage to financial close.

Module 2: Project Development, Feasibility & Bankability

- Technical, commercial, legal, environmental, and ESG due diligence.
- Resource assessment, site selection, grid connection, permits, and development milestones.
- Revenue certainty and bankability assessment.
- Identifying development-stage risks and investor readiness gaps.
- Case Study: Bankability assessment of a wind project facing grid-connection and permitting risks.

Module 3: Financial Modelling & Investment Analysis

- Building renewable-energy project cash-flow models.
- Revenue, operating costs, CAPEX, depreciation, taxes, debt, and distributions.
- Calculating NPV, IRR, DSCR, LLCR, LCOE, WACC, and debt capacity.
- Sensitivity, scenario, downside, and stress testing.
- Case Study: Financial model and investment decision for a solar-plus-storage project.

Module 4: Capital Structure, Debt & Equity

- Designing the optimal **debt-equity capital stack**.
- Senior debt, subordinated debt, mezzanine finance, equity, and shareholder loans.
- Debt sizing, repayment profiles, covenants, reserve accounts, and **debt-service capacity**.
- Comparing commercial-bank, DFI, infrastructure-fund, and institutional-investor financing.
- **Case Study:** Selecting a financing structure for a 100 MW renewable-energy portfolio.

Module 5: PPAs, Offtake & Revenue Structures

- Understanding **Power Purchase Agreements (PPAs)** and bankable offtake contracts.
- Tariff structures, escalation, tenor, curtailment, termination, and credit support.
- Corporate PPAs, utility PPAs, auctions, merchant markets, and hybrid revenue models.
- Managing **merchant risk, basis risk, volume risk, and offtaker credit risk**.
- **Case Study:** Comparing a long-term utility PPA with a corporate PPA for project bankability.

Module 6: Risk Allocation, Guarantees & Credit Enhancement

- Political, regulatory, sovereign, currency, interest-rate, construction, operational, and market risks.
- Risk allocation across sponsors, lenders, governments, EPC contractors, and offtakers.
- Guarantees, insurance, hedging, letters of credit, political-risk insurance, and credit enhancement.
- Applying blended finance and concessional capital to reduce risk and mobilise private investment.
- Case Study: De-risking an emerging-market renewable project affected by sovereign and currency risk.

Module 7: Green Finance, ESG & Energy Transition Capital

- Green bonds, sustainable loans, transition finance, ESG-linked finance, and climate finance.
- Green taxonomies, use-of-proceeds principles, impact measurement, and reporting.
- Structuring blended-finance platforms and catalytic capital.
- Mobilising institutional investors and private capital for clean-energy infrastructure.
- Case Study: Green financing structure for a utility-scale renewable-energy portfolio; the Benban Solar Park is a useful real-world reference for green project-bond financing.

Module 8: Financial Close, Transactions & Investment Strategy

- Lender due diligence, term sheets, financing agreements, conditions precedent, and **financial close**.
- Negotiating key commercial and financing terms.
- Refinancing, portfolio aggregation, asset recycling, and secondary-market strategies.
- Investment committee analysis and preparation of an **investor-ready financing memorandum**.
- **Case Study:** Full transaction simulation covering due diligence, financing structure, investment approval, and financial close.

Training Methodology

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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