ENERGY SECTOR

2026

NATIONAL INVESTMENT BOARD
SIERRA LEONE

TechOps 100 MW Solar PV + BESS Project

40 MW / 40 MWh Battery Storage | Giema and Forya, Dama Chiefdom, Kenema District, Sierra Leone

IPP INVESTMENT OPPORTUNITY

A 100 MW AC solar PV and 40 MW / 40 MWh battery backed IPP for the Southern and Eastern corridors, subject to validated energy yield, grid connection, commercial agreements and lender due diligence.



SOLAR PV + STORAGE FOR GRID SUPPLY

INVESTMENT OPPORTUNITY

Transaction model: BOO or BOT under a long term PPA, subject to negotiation and final Government approvals.

Investor requirement: US$92.79m senior debt and US$39.77m sponsor equity against a US$132.56m working project cost.

Revenue basis: Energy sales under a bankable PPA, with Year 1 working net delivery of 237.95 GWh and US$30.62m net cash revenue, subject to validation.

Private partner role: Finance, construct, operate and maintain the solar, storage and interconnection assets, including battery lifecycle obligations.

100 MW AC	40 MW / 40 MWh	US$132.6m	US$81.0m	237.95 GWh	70 : 30
PLANT CAPACITY	BESS CAPACITY	WORKING COST	EPC INPUT	YEAR 1 DELIVERY	DEBT : EQUITY

MARKET OPPORTUNITY

- Identified demand from industrial, mining and residential users in the Southern and Eastern corridors.
- Grid sales under a bankable PPA form the core revenue route, with payment security still to be agreed.
- Regional pathway depends on confirmed evacuation capacity and approvals.

USE OF INVESTMENT

- Hard cost, grid and controls: US$90.50m, including US$81.0m EPC input.
- Development, land and soft costs: US$12.50m, pending final treatment.
- Contingency, IDC, fees, DSRA and working capital: US$29.56m.
- Battery lifecycle reserve: US$12.0m working Year 12 augmentation assumption.

FINANCIAL ENVELOPE: US$132.56m working project cost. Final value remains subject to model correction, DCF review, audit and lender terms.

PROJECT READINESS

Land: 500 acres identified for the project in Giema and Forya, subject to final title and due diligence.

Solar resource: Solargis assessment supports the site; independent P50 and P90 energy validation is required.

Feasibility: Detailed study and PVsyst modelling completed. Model correction programme remains active.

Grid: Connection to Teloma and evacuation capacity require binding confirmation through the grid study.

E&S: Assessment included in the feasibility study. Final permitting and compliance position to be confirmed.

Commercial: PPA, IA, CA, payment security, FX settlement and lender terms remain to be closed.

BANKABILITY DRIVERS

- US$132.56m working project cost with a 70 : 30 senior debt and equity case.
- US$81.0m EPC input is contracted but subject to written reconfirmation.
- Year 1 net delivery of 237.95 GWh is a working case pending independent validation.
- 40 MW / 40 MWh LFP BESS supports grid integration, with lifecycle obligations to be secured.
- Fixed schedule debt cover, DCF valuation and independent model audit are approval conditions.

PATH TO FINANCIAL CLOSE

1. Correct model and reconcile EPC, land, DSRA, fees and working capital.
2. Confirm P50 and P90 energy case and 100 MW evacuation plan.
3. Close PPA, IA, CA, payment security, FX and deemed energy terms.
4. Confirm BESS warranties and funded lifecycle plan.
5. Secure lender terms, fiscal clearance, model audit and reach financial close.

INVESTMENT SOUGHT Senior lenders, sponsor equity and development finance support for a US$132.56m working project cost, including EPC, BESS, interconnection, DSRA, working capital and financial close requirements.

Project sponsor: TechOps Global Sierra Leone

Source: TechOps Government financial submission, 20 July 2026 working model basis, Model Instruction Note dated 4 September 2026 and feasibility study. Working figures are not final approval values.