



ZESCO Solar PV Projects

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Project Objectives/Benefits :

- **Increased Electricity Generation and Availability:** Reliable power supply for Zambia.
- **Economic Growth:** Enhanced productivity for farming, fishing, and local businesses.
- **Access to Affordable Green Energy:** Reduced reliance on biomass and diesel generators.
- **Reduced Carbon Emissions:** Contribution to climate change mitigation.
- **Lower Energy Costs:** Reduced cost of energy generation compared to fossil fuels.

Alignment with SDGs:

- **SDG 7:** Affordable and Clean Energy
- **SDG 12:** Responsible Consumption and Production
- **SDG 13:** Climate Action



1. 100MW Chisamba Phase II

1.1 Scope

The scope of the phase II project involves the establishment of a **100MW** solar plant adjacent to the existing 100MW Chisamba Phase I Solar plant. The contract was fully executed on 2 September 2025. The Project cost is US\$76.8M

1.2 Status of the Project

- Site cleared 100%, compaction and levelling at 100% progress.
- Equipment foundation civil works in progress.
- Detailed engineering design in progress

1.4 Project Summary

- COD is July 2026

100MW Chisamba Phase II-Control Room Foundations



2. 100MW Chipata West

2.1 Scope

The project involves establishment of 100MWac solar plant Chipata nearest to Chipata West 330/132/33kV Substation. COD is June 2026.

2.2 Status of the Project

- Contract fully signed
- Site handover done on 19 September 2025.
- Site Clearing commenced and at 50% progress.
- Detailed engineering design in progress

2.3 Project Summary

- COD is expected to be June 2026

100MW Chipata West-Site Clearing and leveling



3. 50MW Mansa

3.1 Scope

The project involves establishment of 50MWac solar plant in Mansa District of Luapula Province. The project is expected to cost US\$48M. The Project is being developed by ZESCO Limited.

3.2 Status of the Project

- Project at 80% overall progress and Works in Progress.

3.3 Project Summary

- COD is expected to be end Dec 2025



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S/N	Project Name	Plant Capacity	Developer	Commissioning Date	Project Status
1	Mumbwa Solar PV Plant	50MWac	ZESCO	July 2026	Contract Negotiations in Progress
2	Mailo II Solar PV Plant	35MWac	ZESCO/ Petrodex/SolarCentury	May 2026	Site clearing and levelling done. Civil Works in Progress Design Reviews in Progress.
3	Kasupe – I Solar PV Plant	7.5MWac	ZESCO	December 2025	Civil Works in Progress, Transportation of equipment, Procurement in progress and 40% Overall progress
4	Kasupe – II Solar PV Plant	7.5MWac	ZESCO	February 2026	Procurement in progress.
5	Siavonga PV Plant	100MWac	JIGSCO (ZESCO/ JIGSAW-JV)	Dec 2026	Financial Closer attained and preparations in Progress to introduce the EPC Contractor to the Local Authorities on the ground. Construction Permit granted by ERB. •PPA fully executed
6	Kafue Gorge Lower Solar PV Plant	100MWac	JIGSCO (ZESCO/ JIGSAW-JV)	Dec 2026	
7	Kasama Solar PV Plant	100MWac	ZESCO	Sept 2026	Procurement in Progress
8	Choma Solar PV Plant	25MWac	ZESCO	June 2026	Contract Executed and Site Handover done

S/N	Project Name	Plant Capacity	Developer	Commissioning Date	Project Status
1	Chadiza Solar PV Plant (BESS 2MWh)	2.5MWac	ZESCO	March 2026	Contract signed, now awaiting effectiveness and site handover
2	Monze Solar PV Plant (BESS 4MWh)	5MWac	ZESCO	December 2025	Contract signed and site clearing in progress
3	Senanga Solar PV Plant (BESS 4MWh)	5MWac	ZESCO	March 2026	Contract signed, now awaiting effectiveness and site handover.
4	Kawambwa Solar PV Plant (BESS 4MWh)	5MWac	ZESCO	February 2026	Contract signed, now awaiting effectiveness and site handover.
5	Mafinga Solar PV Plant (BESS 2MWh)	2.5MWac	ZESCO	February 2026	Contract signed, now awaiting effectiveness and site handover
6	Kaputa Solar PV Plant (BESS 4MWh)	5MWac	ZESCO	January 2026	Contract signed, now awaiting effectiveness and site handover
7	Nyimba Solar PV Plant (BESS 4MWh)	5MWas	ZESCO	February 2026	Procurement in progress
8	Mongu Solar PV Plant (BESS 8MWh)	10MWac	ZESCO	April 2026	Procurement in progress

THANK YOU