

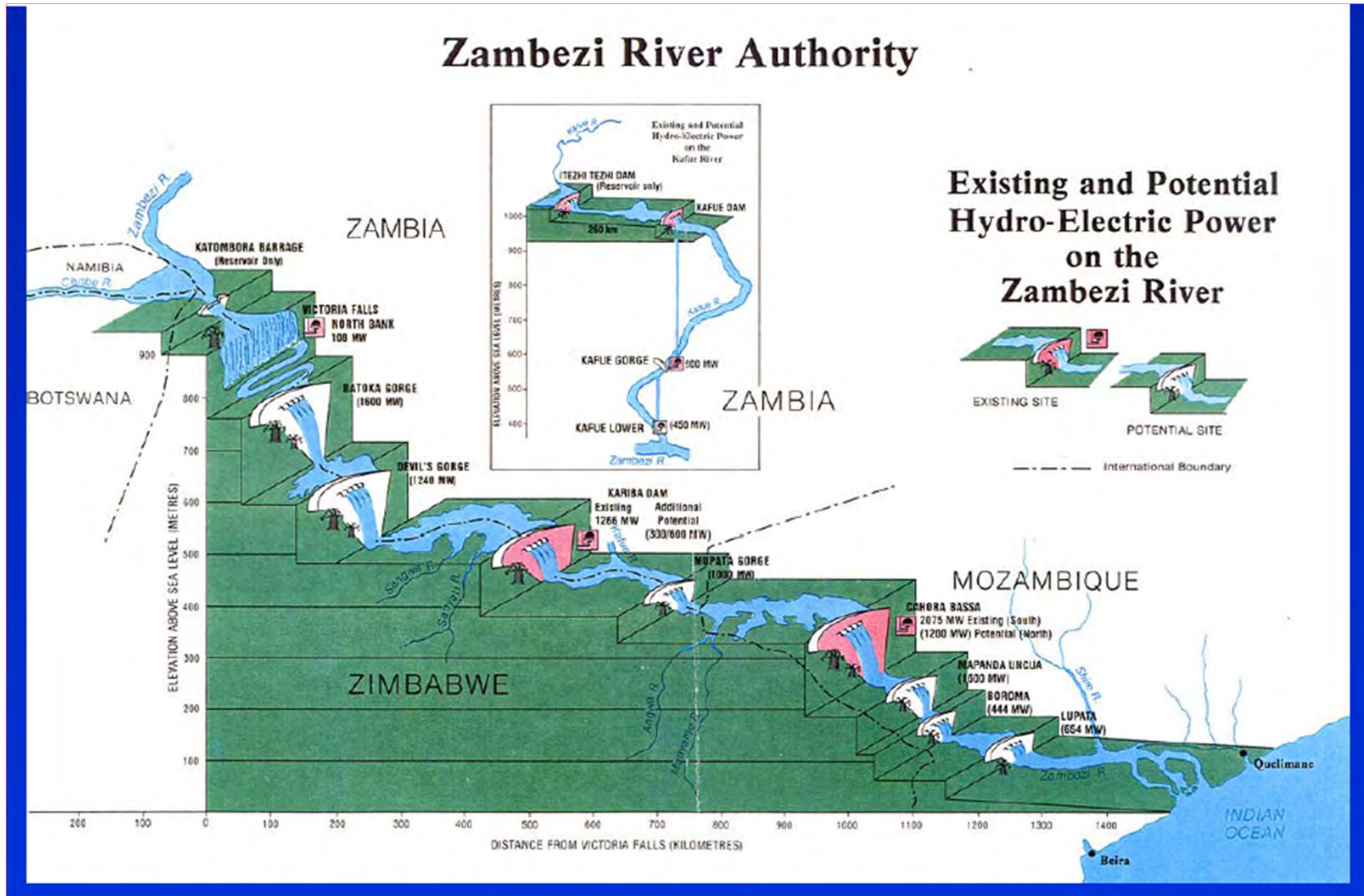
UK – MOZAMBIQUE INVESTMENT FORUM

INFRASTRUCTURE DEVELOPMENT ENERGY

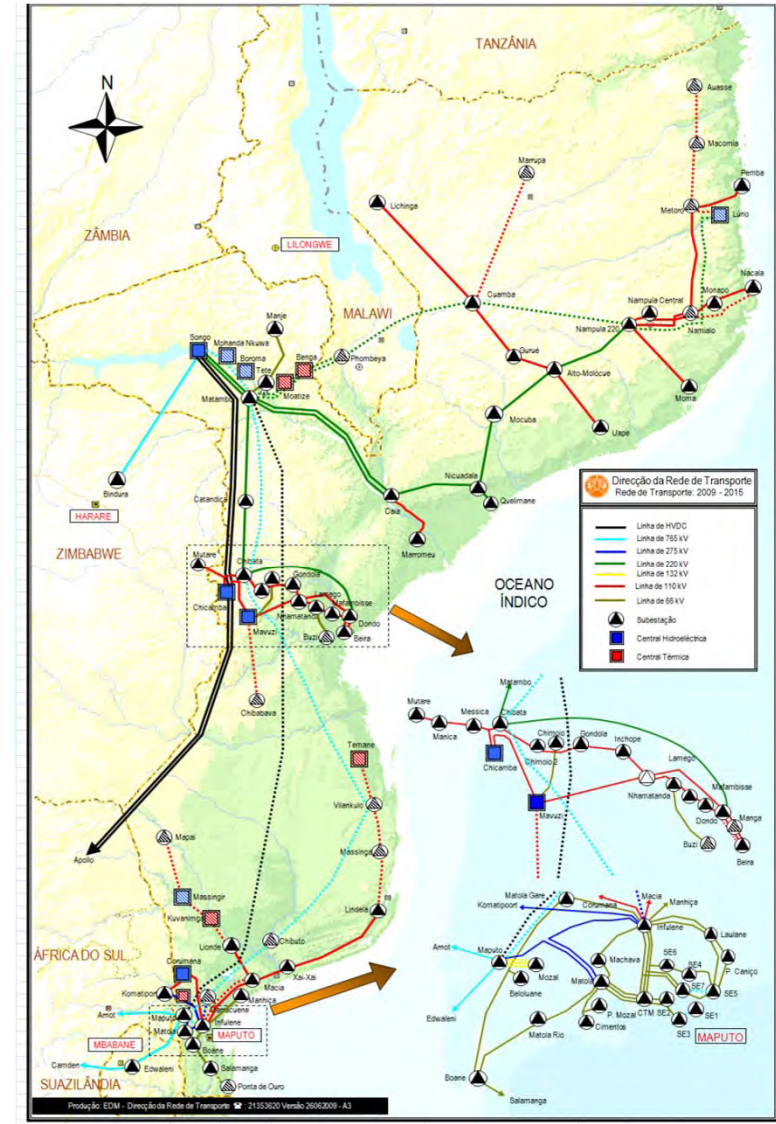
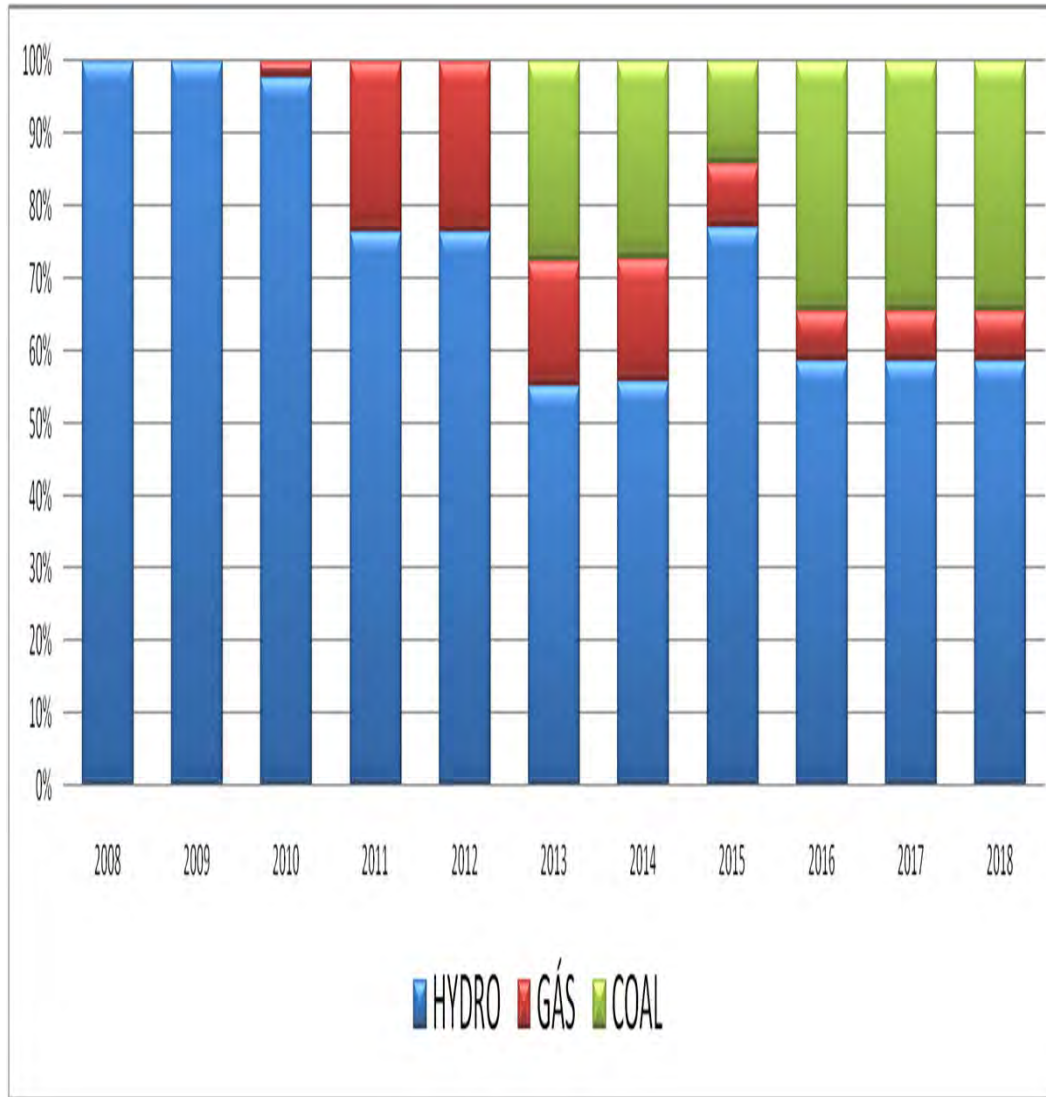
PASCOAL ALBERTO BACELA
MINISTRY OF ENERGY
MOZAMBIQUE

LONDON, 2ND DECEMBER 2010

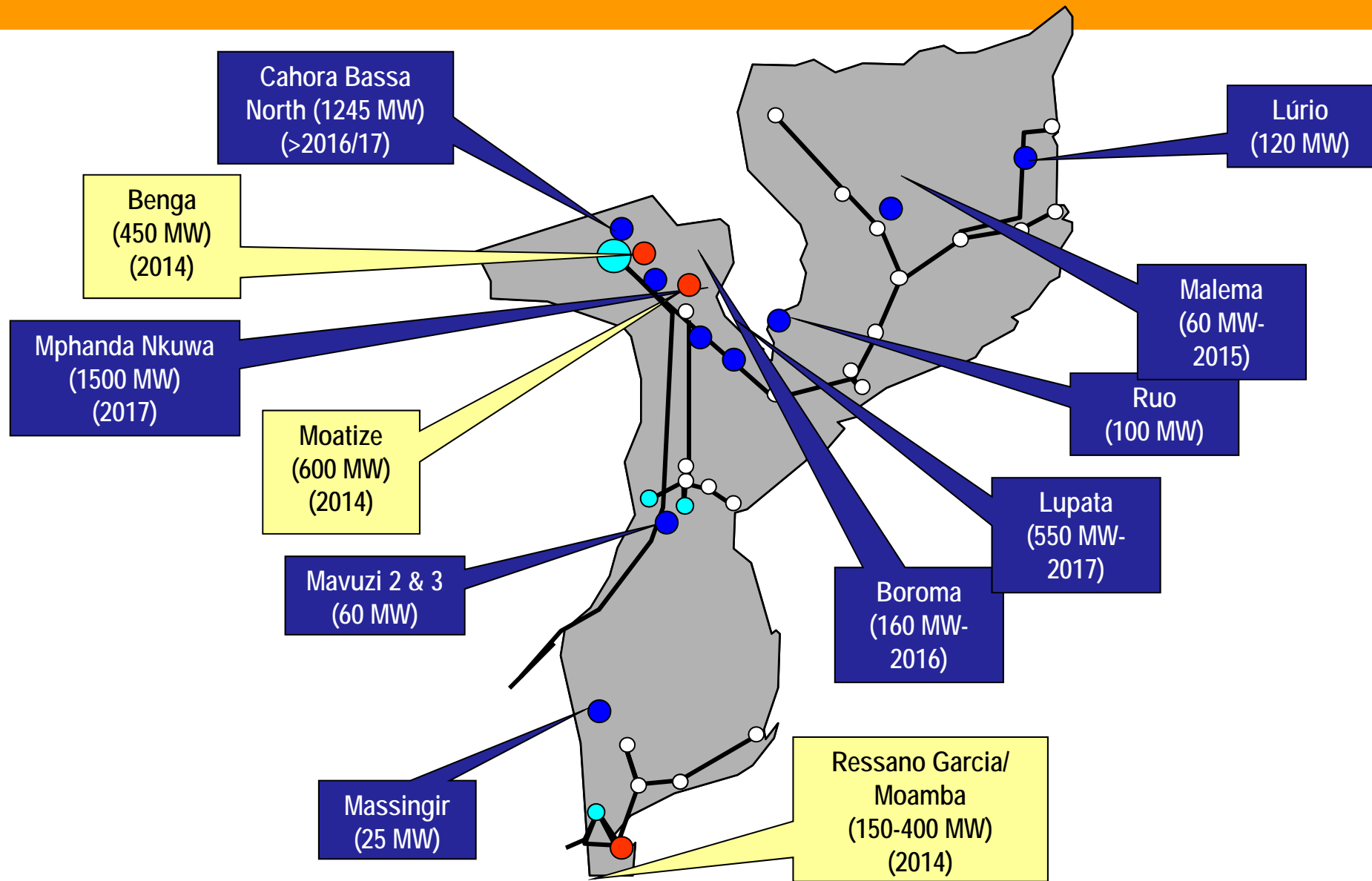
The energy potential in Mozambique



Generation Projects in Mozambique: Power Energy Resources



Generation Projects in Mozambique: Geographic location





Mphanda Nkuwa Power Project

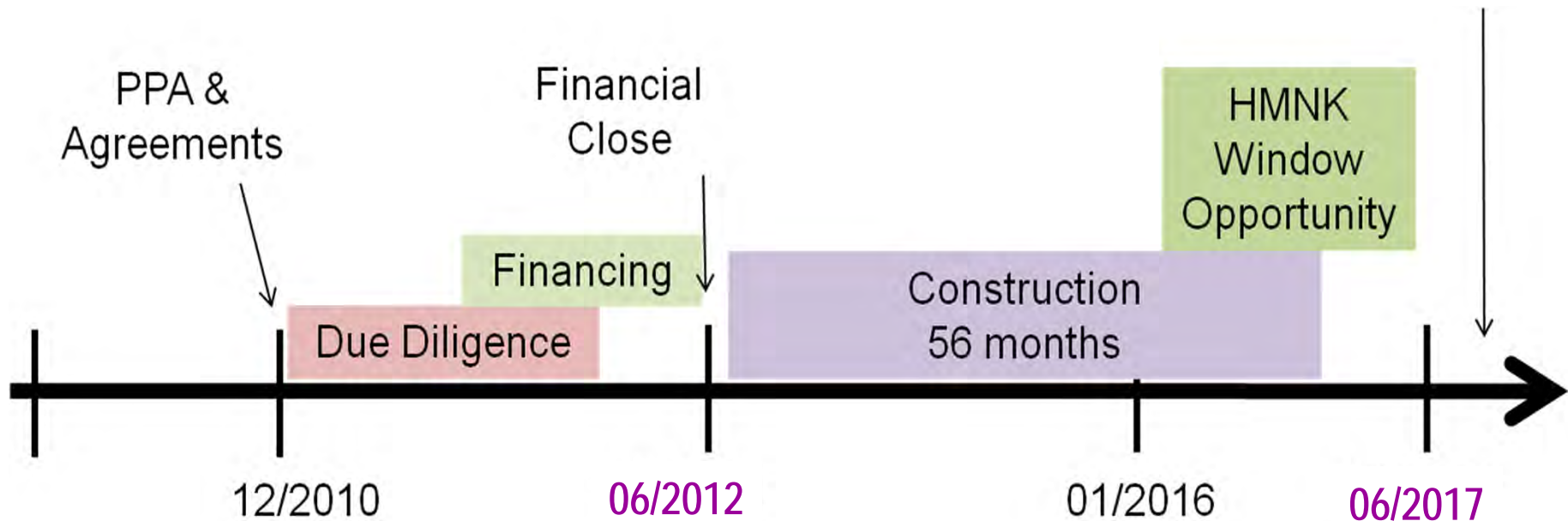
Mphanda Nkuwa

Project Summary

Location	On the Tete Province
Capacity	1,500 MW mid-merit
Project owners	Camargo Corrêa, Energia Capital S.A, and EDM (the “Consortium”)
Project structure	35 years BOOT (composing of an initial 5 year construction period and a 30 year commercial operating period)
PPA	Under negotiation, term sheet submitted to Eskom.
EPC	Camargo Correa has been selected. A benchmarking exercise will be undertaken by the lenders as part of their due diligence. [56 months construction]
O&M	To be appointed
Transmission	EDM to lead develop CESUL, the backbone transmission line (scheduled for financial close in 20011/12).
Fuel/water supply	Water usage agreement with HCB to be concluded.
Total project cost	\$2,968 million including capitalised interest during construction
Proposed Debt Equity	Debt 70%
	Equity 30%
Estimated financial close	End 2011
Estimated COD	2016/17

Mphanda Nkuwa

Project milestones



PPA & Agreements include WHEELING, O&M, EPC, HCB Water, CONCESSION and Fiscal Package



CAHORA BASSA NORTH BANK

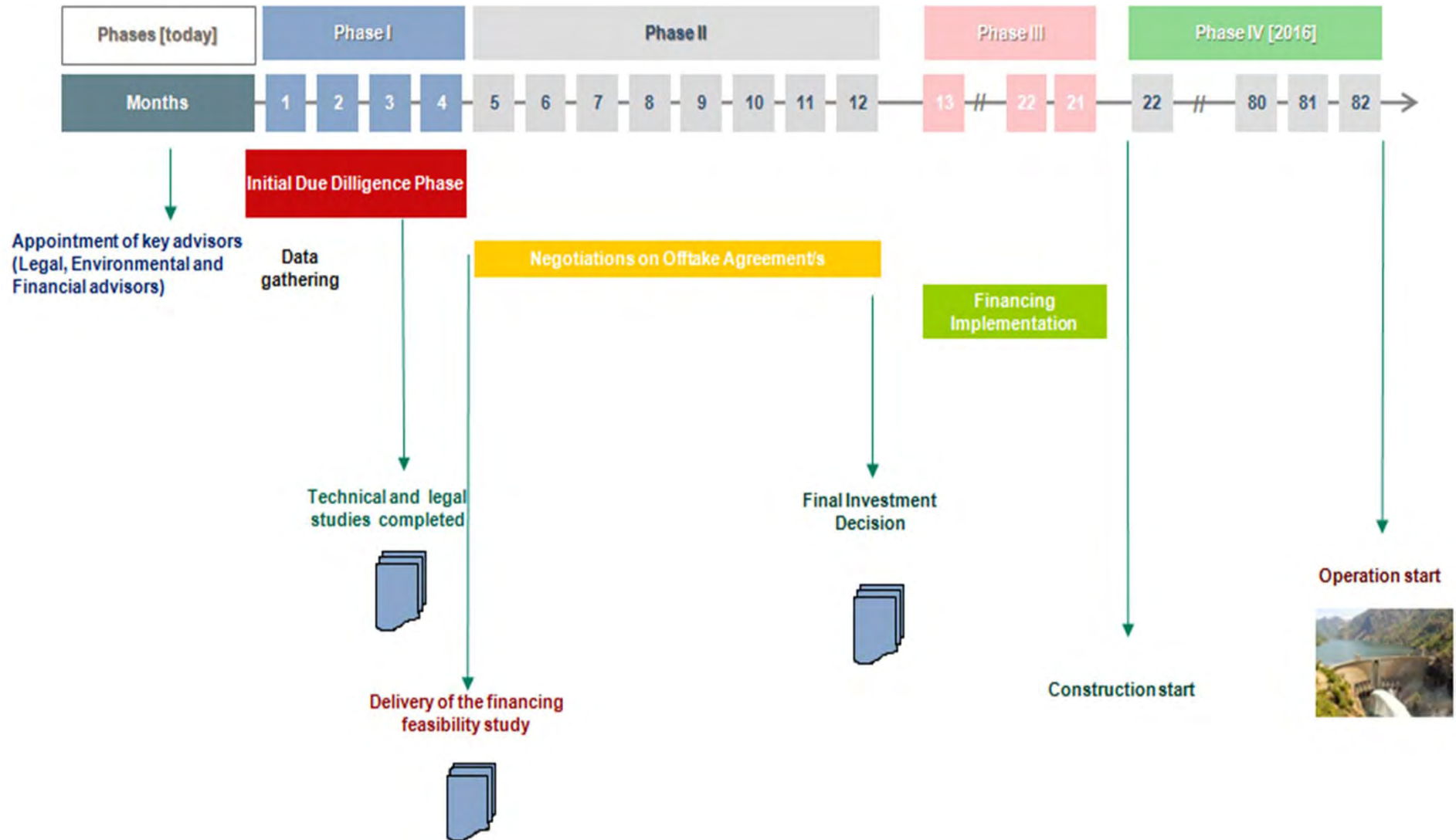
Cahora Bassa North Bank

Project Summary

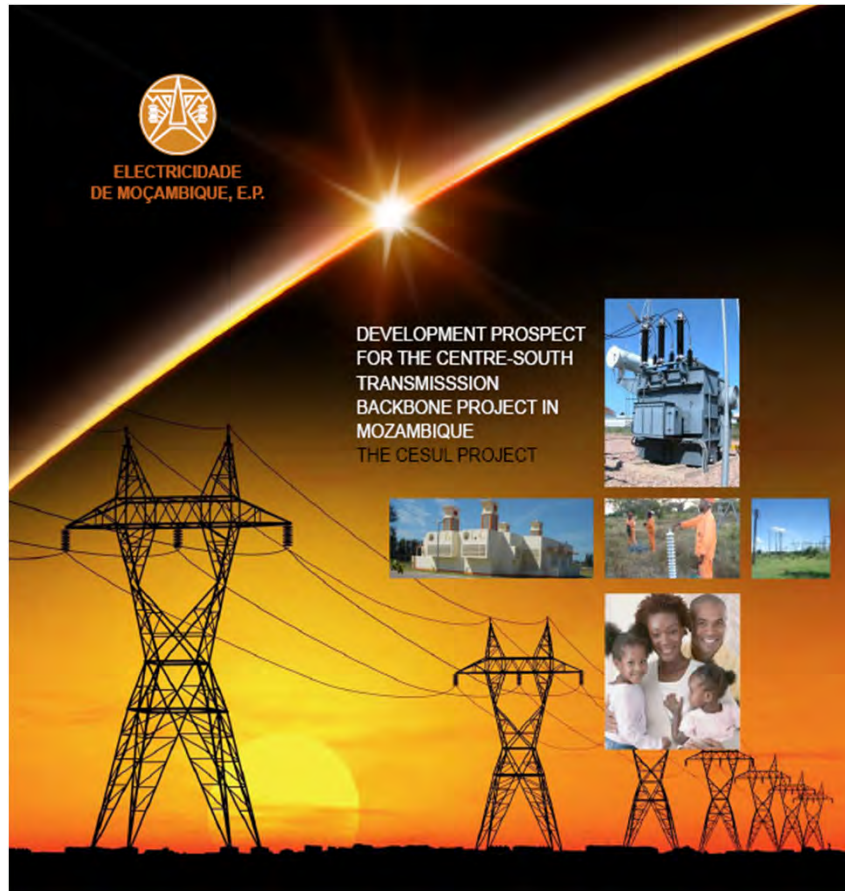
Location	On the Tete Province
Capacity	1,245 MW Peaking
Project owners	CEZA + HCB (the "Consortium")
Project structure	Under current Concession
PPA	Restructure PPA from the exiting (EDM and Eskom) .
EPC	To be selected [46 months]
O&M	Expansion of current Operation
Transmission	EDM to lead develop the transmission backbone (CESUL), integral part of the backbone development perspective
Fuel/water supply	Water usage agreement with HCB to be concluded.
Total project cost	\$ 800 million (estimated)
Proposed Debt Equity	Debt 70%
	Equity 30%
Estimated financial close	End 2011
Estimated COD	2016/17

Cahora Bassa North Bank

Project milestones



Transmission projects



Mozambique Transmission Backbone (CESUL project)

Mozambique Transmission Backbone: Proposed Network

Phase 1: (3 100 MW)

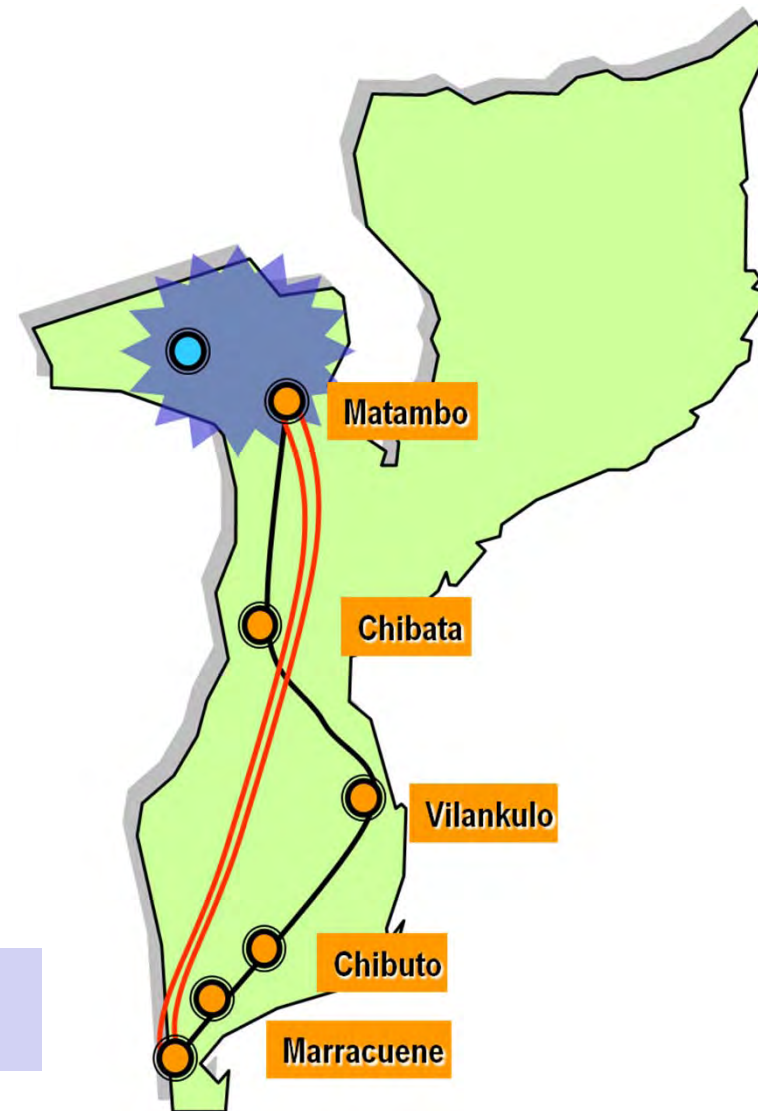
- Built the 400 kV line (AC)
- Built Pole 1 of the HVDC 800 kV system.

Phase 2: (6000 MW)

- Built Pole 2 of the HVDC 800 kV system

The on going feasibility study will refine the final technical configuration and adequate implementation commercial, financial and legal structure

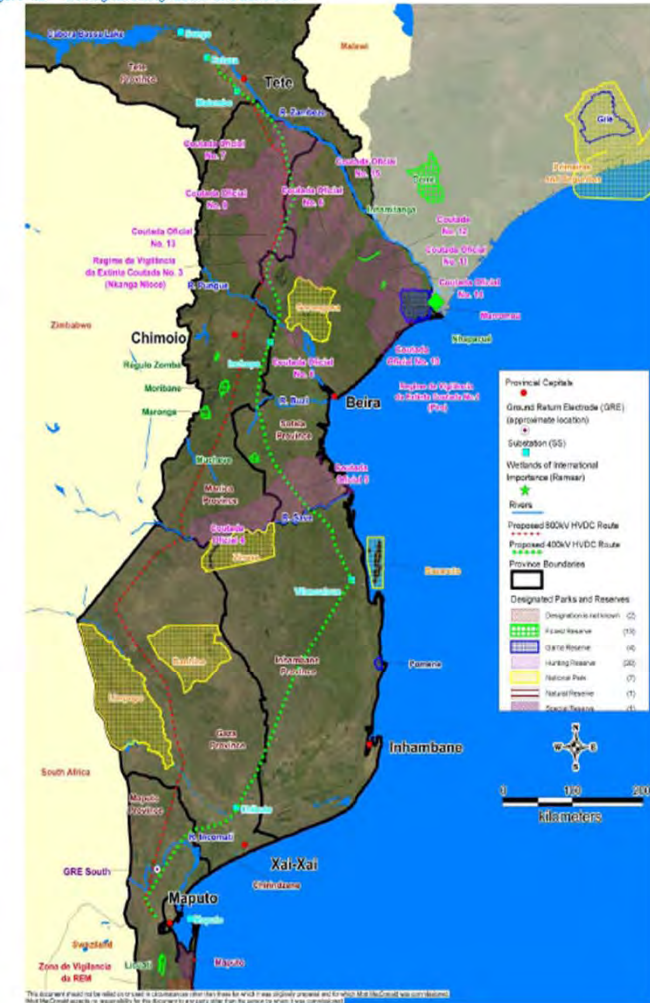
The commercial operation date will be in line with the IPP's COD and expected to be by 2016/17



Mozambique Transmission Backbone – Ongoing studies

	Source of financing	Firm's	On Going	Planned	Estimated conclusion
Environmental Social Impact Assessment (ESIA)	World Bank	Consortium lead by Mot McDonald/SDS	X		2nd Quarter 2011
Strategic Regional Environmental Social Impact Assessment	European Investment Bank	Contract negotiations	X		3rd Quarter 2011
Technical and Economic Feasibility Study	World Bank	Vattenfall/Norconsult/TGC/PSD	X		2nd Quarter 2011
Economic Impact Study (EIS)	Kingdom of Norway	Norconsult		X	2nd Quarter 2011
Insurance Adviser for the transmission backbone project (CESUL)	Kingdom of Norway	NA		X	NA
Tax Adviser for the transmission backbone project (CESUL)	Kingdom of Norway	NA		X	NA
Technical Assistance for Large generation and Transmission projects	Kingdom of Norway	Norconsult	X		4th Quarter 2011
Financial and legal Advisory	World Bank	ABSA/Barclays/Dewey & Lebouef/Pimenta	X		4th Quarter 2011

Figure 4.2: Ecological Designations and Land Use



Source: SDS/Mot McDonald



THANK YOU