



## Country Presentation

Presented @ JICA, Tokyo 2013 by

Mashambe P.

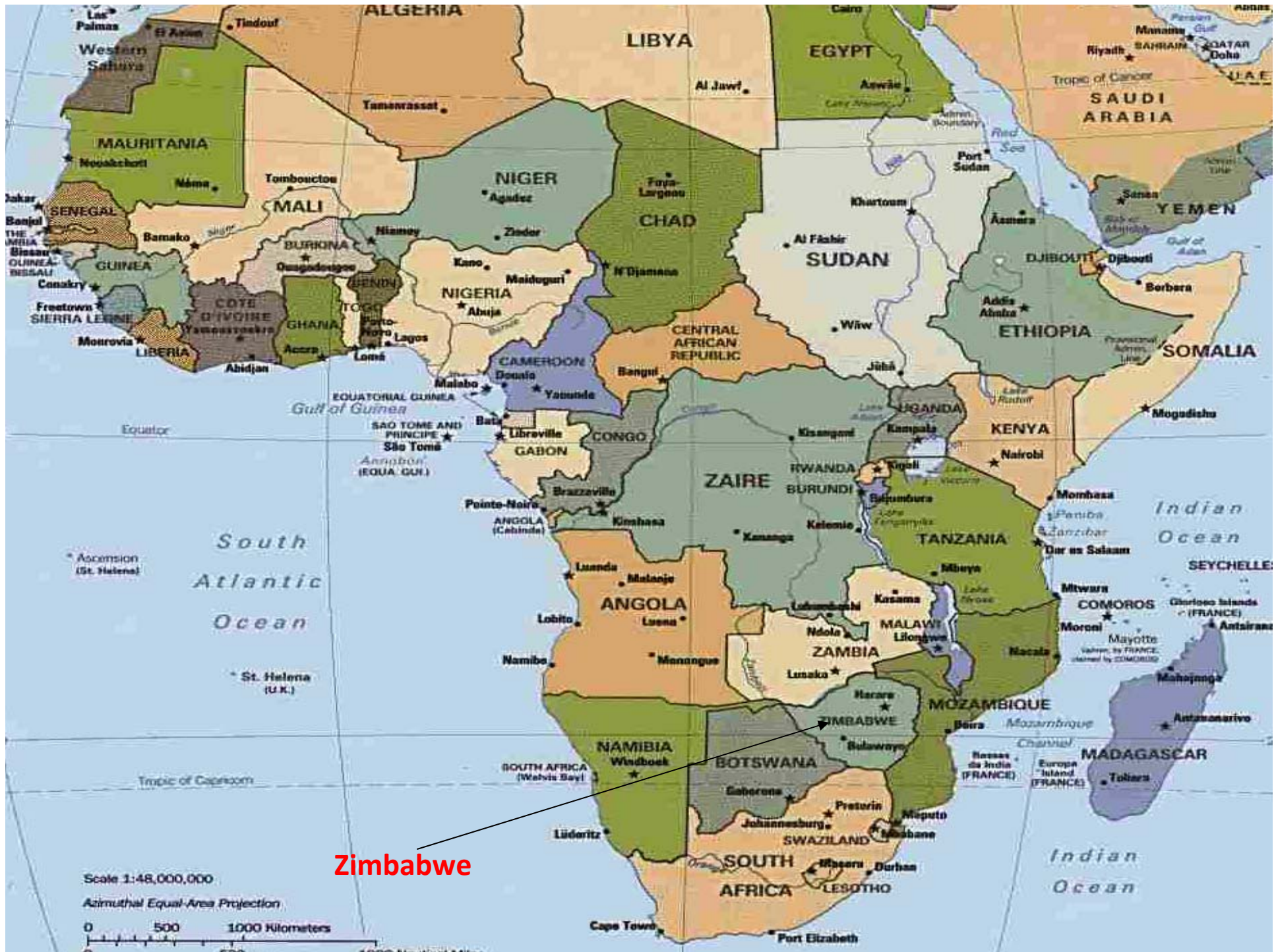
Ministry of Energy and Power Development



# In Brief

*Zimbabwe* is a landlocked country located in the southern part of the African continent, between the Zambezi and Limpopo rivers.

- Comprises of a population of about 13 million people on a total area of 390,600 square kilometers.
- Literacy rate is 90%



# MINISTRY OF ENERGY AND POWER DEVELOPMENT

- Policy Formulation
- Energy Regulator
- Carry out demonstration projects
- Facilitate importation of fossil fuels

# Other Energy Institutions

- Zimbabwe Electricity Supply Authority
- Rural Electrification Agency
- Zambezi River Authority
- Zimbabwe Energy Regulatory Authority
- Oil industry

# Energy Resources

Zimbabwe's energy resources are:

- Coal
- Hydropower
- Biomass
- Solar Energy
- Coal Bed Methane
- Wind
- Bio-fuels

# COAL & COALBED METHANE

- Abundant coal reserves estimated at more than 200 years into the future
- NW and Southern part
- Thermal and very little domestic use

# Power situation

- Zimbabwe requires about 2100MW of power at peak.
- Country's electricity requirements are met by:
  - Local generation (65%)
  - Imports from the SADC region (35%)



# Generation capacity

<b>Power Station</b>	<b>Type of Station</b>	<b>Installation Capacity</b>	<b>Firm Capacity</b>
Hwange Power Station	Thermal	920 MW	780 MW
Kariba Power Station	Hydro	750 MW	730 MW
3 x Small Thermal Station	Thermal	270 MW	170 MW
Totals		1940 MW	1680 MW

# Household access to electricity in Zimbabwe between 1994 and 2010-11

Year	Urban	Rural	National
1994	80.4	3.4	28.1
2005-06	91.4	8.7	37.2
2010-11	83.2	13.3	36.9

*Source: Zimbabwe Demographic and Health Survey 1993-94, 2005-06 and 2010-11.*

# Solar Power Development

Solar energy has a potential in Zimbabwe



One house which benefited from the JICA delivery mode



In 1996 UNESCO provided training and solar cookers in some communities in



# Solar cooker training participants

- A group of women trained under the UNESCO programme



# Country Policies on Solar Dev.

- Waiver of import duty on solar components has currently made solar option affordable to the majority of the potential end users on imported equipment

Currently import of on solar panels and accessories are duty free making it favourable option these days

# Biogas Technology

- It is envisaged that biogas will play a major role in providing alternative source of energy in small holder farming areas, commercial farms, boarding schools and similar rural institutions.



# Challenges

- Policy harmonisation at local level
- Demand outstrip supply
- Regulator New
- Lack of data on energy
- Old equipment
- Funding
- Billing System-Tariff collection
- Private sector participation

# Opportunities

- GWP- Plan
- Prepaid metering
- Energy efficient bulbs
- Solar water heaters
- Ripple control systems for switching off geysers
- Hydro, coal, solar and gas plants

**Welcome to Victoria Falls – Welcome to Zimbabwe**

**“Moas-oa-Tunya”**



**The smoke that thunders!**





Zimbabwe



In Pictures



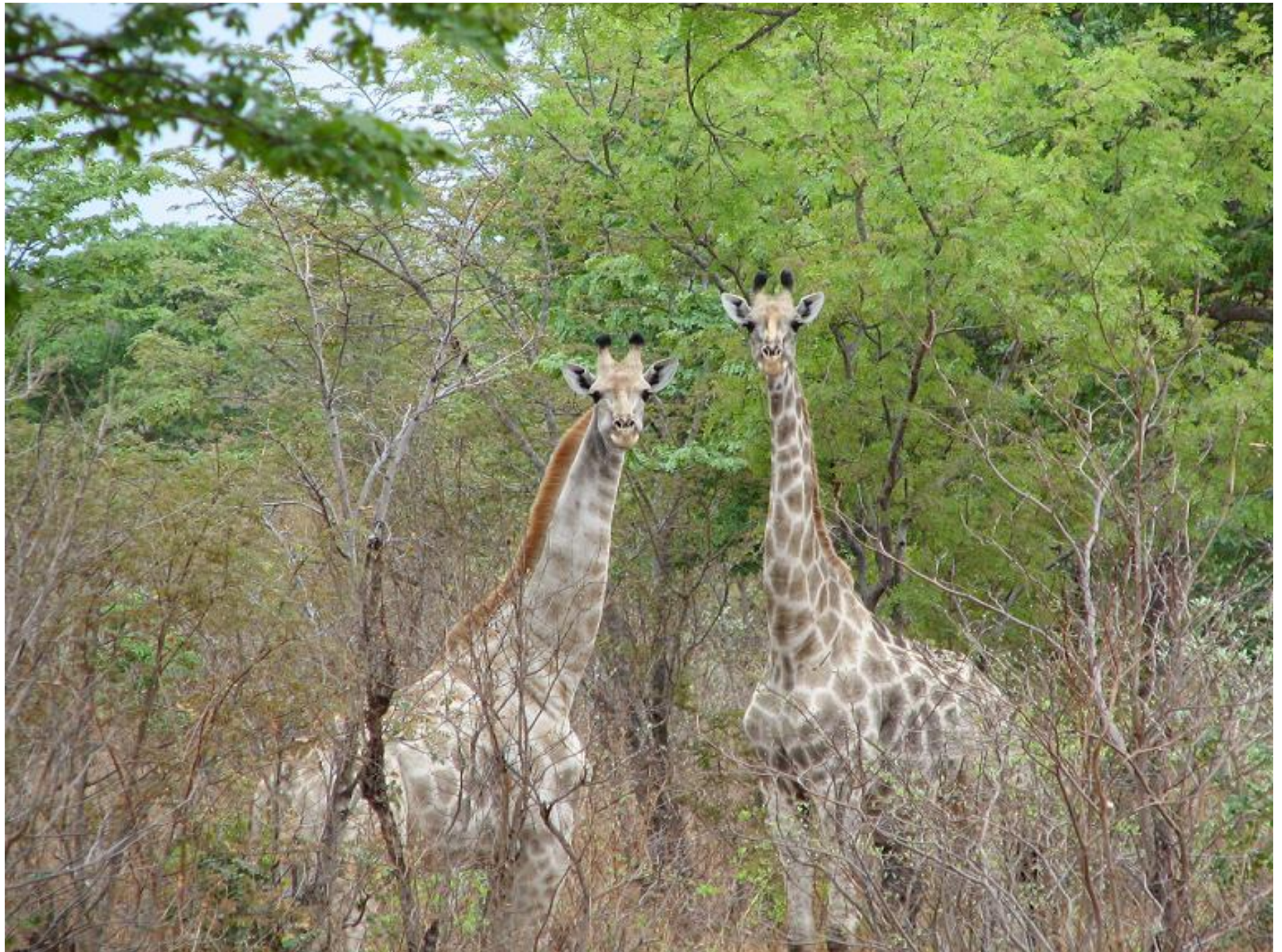
## Vic falls - Zimbabwe



© Jean-Louis Mausset

## Hwange National Park







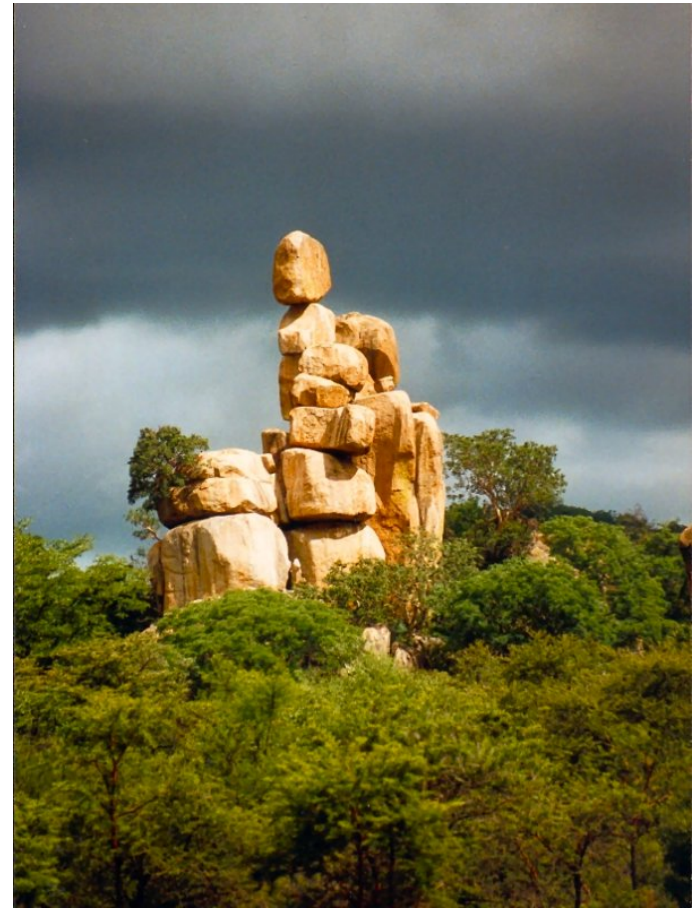
## Abundant Wildlife



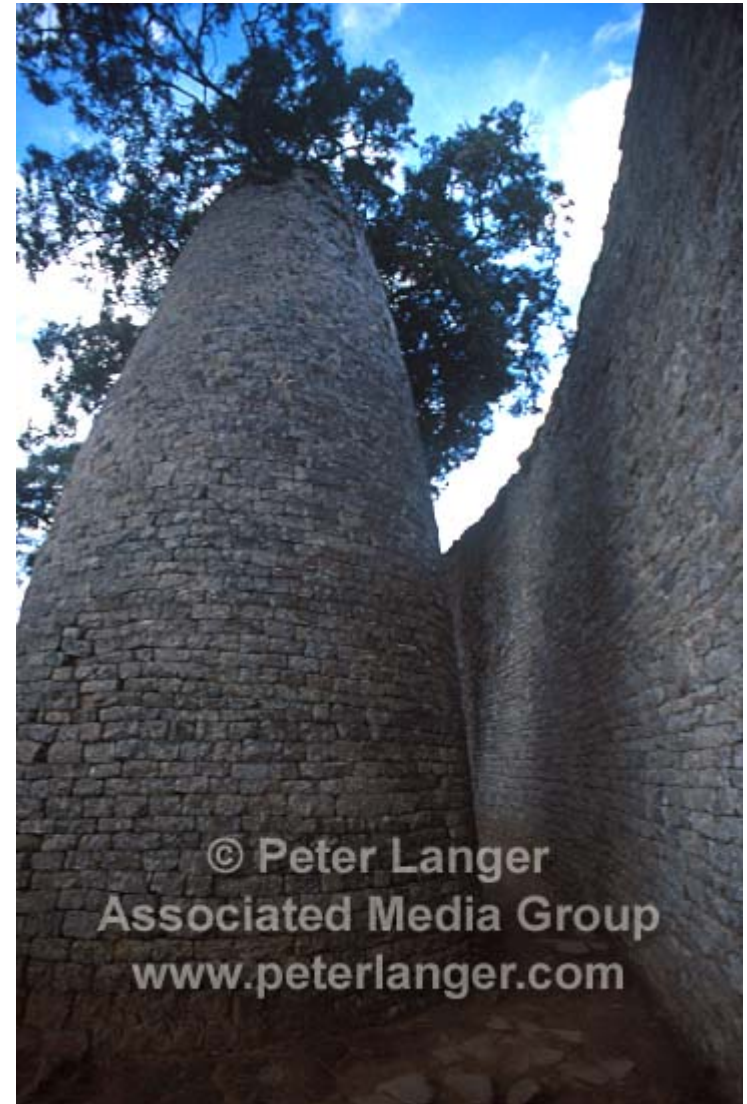


## Inyanga mountains & Landscapes









**GREAT  
ZIMBABWE**



## **CONTACT DETAILS**

The Secretary

Ministry of Energy and Power Development P. Bag. 7758 Causeway Harare

Zimbabwe

Chaminuka Building

Corner Central and Fourth Street Harare

Telephone 263-4-791760-9

Fax 263-4-727524

[www.energy.co.zw](http://www.energy.co.zw)



*Thank you!*

