Title:

A Nuclear Power Plant for a developing country: The best option

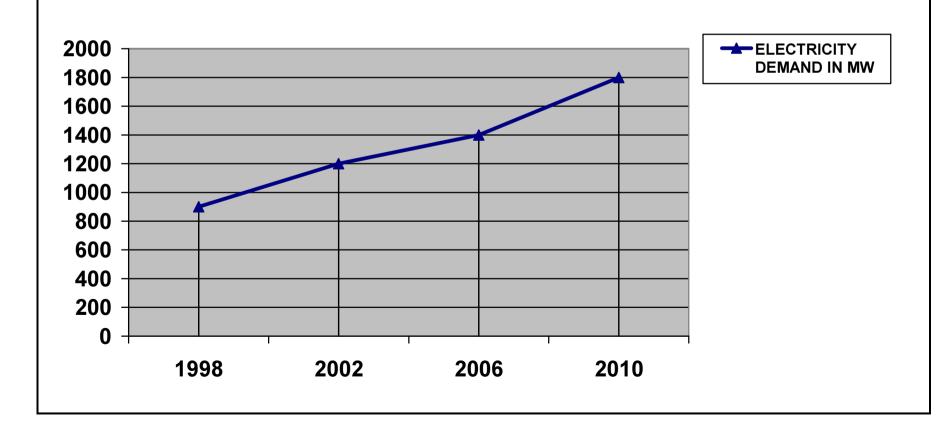
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Radiation Protection Board Ministry of Public Health and Sanitation Republic of Kenya Energy needs in third world countries - Kenya – are growing rapidly

For example Kenya in 1998 consumed around 900MW of electricity

Today the country produces around 1100 MW against a peak demand of 2000MW



OL-KARIA GEOTHERMAL PLANT

MASINGA DAM HYDRO – ELECTIRC PLANT



WHAT ARE WE LOOKING FOR AS A COUNTRY IN TERMS OF ENERGY DEVELOPMENT?

WE ARE LOOKING FOR AN EFFICIENT, SAFE, ENVIROMENTALLY FRIENDLY AND PROVEN TECHNOLOGY OF ENERGY PRODUCTION

THE OBVIOUS ANSWER IS THE NUCLEAR POWER OPTION

BUT AGAIN THE QUESTION IS: AMONG THE DIFFERENT TECHNOLOGIES IN NUCLEAR POWER PRODUCTION, WHICH IS THE BEST TO FOLLOW?

INORDER TO ACHIEVE SUSTAINABLE
DEVELOPMENT THE COUNTRY HAS TO
TREMENDOUSLY INCREASE ITS POWER
PRODUCTIONS PAST THE AVAILABLE
CAPACITIES OF HYDRO-ELECTRIC AND GEOTHERMAL PRODUCTION

WHAT ARE WE LOOKING FOR AS WE APPROACH THE DIFFERENT REACTOR CONCEPTS IS:

- 1. AFFORDABILITY Needed capital New affordable innovations.
- 2. SAFETY No chance of abandoning
- 3. SCALABILTY Must be able to move from small to medium design concepts by allowing continuous investment.
- 4. EFFICIENCY
- 5. INOVATIVE That makes acceptance by developing countries easier.