

ASSIGNMENT 4

How much energy is being produced from the dams in Nigeria? Compare with energy produced from crude.

ANSWER:

The total installed hydropower capacity as at 2017 in Nigeria is 2,062 MW although the hydro-power generation is at 7,310 GWh.

The total exploitable potential of hydropower in Nigeria is estimated at over 14,120 MW which would amount to about 50,800 GWh of electricity annually. The above figures shows that roughly 85% of hydro power is yet to be developed. (i.e we use ^{only} about 15% of hydro power).

In comparison to crude oil, Electricity production from coal, gas & coal sources in Nigeria was reported at 81.8% in 2015, according to the World Bank collection of development indicators, compiled from officially recognized sources.