

REVIEWER'S REPORT

Manuscript No.: IJAR-54958

Title: Mise en place d'une stratégie d'électrification en Côte d'Ivoire à la lumière des sources d'énergie

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality	•			
Techn. Quality		•		
Clarity		•		
Significance	•			

Reviewer Name: Adetomiwa Emmanuel Adesokan

Detailed Reviewer's Report

This paper offers a systematic evaluation of the existing energy sources in Cote d'Ivoire - hydraulic, solar, biomass and fossil, and their ability to guide a rural electrification policy to achieve a balanced access to affordable electricity by the nation. The authors propose a techno-economic framework summarized in a decision organigram to guide optimal technology selection. The topic is relevant to sustainable energy planning in Sub-Saharan Africa and corresponds well with national development priorities.

Strengths

1. The paper covers a critical infrastructure and development issue in Cote d Ivoire with special reference to rural electrification.
2. The resource assessment is clear and has figures, maps and tables that enhance understanding of the energy landscape.
3. The proposed electrification decision organigram is a useful tool to help the policy makers and engineers with planning the interventions.
4. The structure generally follows a logical flow from problem identification to decision support strategy.

Weaknesses

1. Language quality issues (grammar, punctuation, and structure) reduce readability and scientific professionalism.
2. The paper does not critically discuss the uncertainties and limitations, as the manuscript is based on secondary data.

Suggestions for Improvement

1. Conduct an English/French language proofreading to improve clarity, sentence structure, and technical expression throughout the document.
2. Elaborate on policy implications and limitations (financing, government, operation, maintenance).
3. Ensure consistency of figure/table numbering and formatting, and update reference style to match the journal's standard.

Overall Assessment

Overall, the manuscript examines a highly relevant subject and delivers an initial strategic framework for rural electrification improvement in Côte d'Ivoire. With the enhancements stated above, the article can become a more impactful contribution to applied energy planning literature.