

Review of: "Technical and Financial Viability of a 1 MW CSP Power Plant with Organic Rankine Module: Case Study for a Northeastern Brazilian City"

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Potential competing interests: No potential competing interests to declare.

Before giving the details of the issues in subject matter for the review, I wish to suggest the authors

1. To do make corrections in the abstract as annotated in the annotated file attached with the mail
2. Also the consistency of Capital letter s at the beginning in the NOMENCLATURE PART to be maintained.

Most importantly, it appears a flaw in the basic calculation of the work, which is outlined below.

The figure 2 gives a graph which has to have POWER on its y- axis instead of energy.

Further the area below the ENERGY STORED CURVE is disproportionately large than the electrical energy produced in the area below the electrical power curve.

This is gross violation of the fundamentals of thermodynamic principles.

The figure 2 in conjunction with fig 3 is not making any coherent meaning or throwing any meaningful light.

So I advice the authors to go through this suggestion and re correct the calculations or satisfy the issue raised herewith.

Then only the publication could be accepted, else it seems to be a very misleading conclusion as against thermodynamic laws.

I have annotated the manuscript at appropriate points for better understanding of the authors.

Regards