

# 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.

1. Which organic fluid is selected in Organic Rankine Cycle and its justification is needed?
2. The paper lacks the proper selection of ORC fluid and its heat output and power output
3. Focused only on the different configurations .
4. According to the technical and financial results, one best configuration was defined , but it is based on energy and exergy analysis also.
5. **HTF**: Heat Transfer Fluid specific properties could not find in the paper.
6. Authors have mentioned so many good mathematical modelling equations, but could not able to find its linkages like Heat Collecting Element (HCE) End Losses , Solar Field and HCE Efficiencies in results and discussions in terms of tabular columns or in figures.
7. Organic Rankine Cycle based on parabolic trough concentrating solar power plant is not appeared any where in the document.
8. Only the Sankey diagram is shown, but what about Grassmann diagram (This diagram gives clear cut analysis of losses going in a system)
9. Authors have to give the clarity of this work related to experimental or theoretical study work?
10. The model analysis in EES screenshot is not found in the research work
11. In references only one organic rankine cycle paper is found by the reviewer. Justify with the technical content of your research work with provided journals.
12. Please correct the below nomenclature
  - T0 temperature in the solar field outlet [ $^{\circ}\text{C}$ ]
  - T1 temperature in the solar field inlet [ $^{\circ}\text{C}$ ]