

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.

Review report

Title of article: Technical and financial viability of a 1 MW CSP power plant with organic rankine module: Case study for a North-eastern Brazilian city.

Manuscript No.: NKKKOI

Modeling section:

- Page no. 9, Name of heat transfer fluid is not clear.
- Page no. 9, abbreviation of SEGS should be there.
- Page no. 13, Section 2.2.5, table 3, 4, 5 are not clear. What the term a0, a1, a2, a3, b0 and b1 are denoting here?
- Page no. 16, section 2.4, clear the term PTC assemblies.

Economic analysis:

- Page no. 17, section 3.3, what is the actual ORC module cost? Why it is assumed?

Annual simulation:

- Page no. 19, Mention that sample day shown in figure 3(Sankey diagram) with complete details.

Results and discussions:

- Page no. 19, clearly explain SM.

References:

- All the references are not in same format. The referencing should be in same format.

Overall:

- Novelty in the manuscript is missing.
- A brief detail of all the configurations considered should be there in the manuscript like, number of collectors and size

of thermal energy storage.

- Grammatical error must be removed.