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n-split generator model: An approach to reducing fuel consumption, LCC, CO₂ emission and dump energy in a captive power environment

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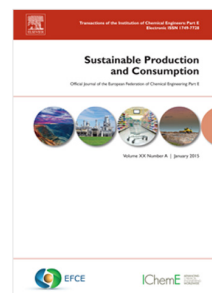
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Highlight

- Power production in captive power environment has been studied
- n -split Diesel generator model is proposed instead of large single Diesel generator
- LCC, Dump, fuel consumption, CO₂ emission & reliability are used for the comparison
- Result reveals that the n -split performed better in all the metrics.

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