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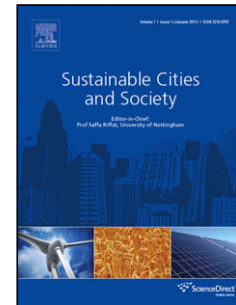
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## Electrical Energy Poverty among Micro-Enterprises: Indices Estimation Approach for the City of Ibadan, Nigeria

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### Highlights

- Indices that values electrical energy poverty among micro-enterprises are developed
- Three indices are developed to measure composite electrical energy poverty index
- The indices are measures in a scale of 0 to 1
- 0 denote the desired value while 1 denotes ‘worst’ acute electrical energy poverty
- The indices could point out & suggest area of intervention to improve productivity
- The developed indices could serve as a good tool to aid decision making

### Abstract:

In this paper, indices that could evaluate electrical energy poverty among micro enterprises are developed with the aim of pointing out and suggesting the area of intervention to improve productivity of the micro enterprises. These indices are: device suitability index, electricity affordability index, electricity availability index and composite electrical energy poverty index. The indices are measures in a scale of 0 to 1 with 0 being the least electrical energy poverty (desired value) while 1 denotes ‘worst’ acute electrical energy poverty. To enhance the understanding and applicability of the developed indices in measuring electrical energy poverty,

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