

## Potential for community based adaptation to droughts: Sand dams in Kitui, Kenya

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### General Comments

1. Reference list is incomplete and in different format
2. It would be good to explain geographical characteristics and socio-economic conditions in different sub titles.
3. Since the construction of sand dams referred to cost effective technology option, it would be better to give a comparison of cost with the conventional one.
4. The methodology adapted for the construction of dam is unclear. It would be nice if the following points are explained clearly:

a. *Page 7*: The number of dams constructed by a community depends on the length of the river, the number of suitable locations, and the availability of funding.

It is mentioned that

*Page 7*: SASOL facilitates the site selection and the engineering of construction works as they have technical expertise.....

*Page 7*: An artisan of SASOL is present to support the community with technical knowledge..

So, is it the community or the technical experts' takes decision?

This gives a vague idea that, the dam is constructed by applying thumb rule and not based on any scientific methods. Again the design of dam is also lacking.

- b. *Page 8*: The objectives of the stakeholders are not clear. How the objectives were met?
- c. Who developed the indicators and how indicators are identified?

5. Since this paper address the impact of the sand dam construction, it would be nice to separate the increase in income generated due to the construction of dam and that generated from industrial activities in the socio- economic assessment.