Reviewer's report

Title: Perception of drinking water safety and factors influencing acceptance and sustainability of a water quality intervention in rural India

Version: 1 Date: 3 April 2015

Reviewer: Abul Milton

Reviewer's report:

Minor essential revisions:

I have got a few minor comments as follows:

1. In the ‘Background’ section, authors have described about water related diseases and interventions. Although number of studies is limited, still they could cite references of a few studies that reported factors influencing acceptance, compliance and sustainability of drinking water options in addition to reference number 16.

2. In the ‘Methods’ section, ‘Study setting’ sub-section, authors could briefly write a few sentences about the ‘high throughput membrane filter’, so that readers could have an idea about the filter mentioned in this manuscript.

3. On page 7, line 1, the authors could mention how compliance was defined, so that readers could know who were compliant and who were non-compliant.

4. On page 8, line 15, probably ‘(‘ is missing before the word GNS.

5. In ‘Results’ section, ‘Participants’ sub-section, you mentioned mean (SD) age of the participants from the non-compliant households only, why didn’t you mention mean (SD) age of participants from the compliant households? These figures are not shown in any tables, therefore, you could mention ‘not shown in the analysis’ at the end of the sentence.

6. On page 18, authors mentioned about a potential selection bias as they only recruited only fathers and mothers of children aged less than two years. However, do these parents represent parents of <2 years children of rest of the rural India? This needs to be discussed.

7. In Table1, please write ‘(in years) after Age. There are information about Occupation of head of household for 45 households, is there a missing value? If yes, you need to report that. At the foot note, you mentioned ‘¶’, but where is this symbol in the table? Please clear this in table1.

8. Maintenance of the drinking water option has been found to be related with compliance. The manuscript didn’t mention anything about maintenance of the water filter. Therefore, it is important that authors mention the issue of maintenance of the filter in the manuscript. If they have no information on
maintenance of the filter, this needs to be mentioned as a limitation of the study.

**Level of interest:** An article of importance in its field

**Quality of written English:** Acceptable

**Statistical review:** No, the manuscript does not need to be seen by a statistician.

**Declaration of competing interests:**

I declare that I have no competing interests.