

## ***Interactive comment on “Long-term groundwater recharge rates across India by in situ measurements” by Soumendra N. Bhanja et al.***

**G. Jeelani**

geojeelani@gmail.com

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Very interesting paper about the recharge rates in India, but I have some suggestions:

1. The manuscript gives comprehensive recharge estimates as a function of climate, hydrogeology, irrigation, and precipitation, but the recharge rates as a function of lithology (particularly carbonates) and slope/altitude is lacking. We know that snow and glacier melt in Himalayan river system provide consistent recharge in higher altitudes.
- 2) Are these recharge rates applicable to shallow unconfined aquifers only?

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Discussion paper

