



SDI Review Form 1.6

Journal Name:	Asian Journal of Agricultural Extension, Economics & Sociology
Manuscript Number:	Ms_AJAEES_37405
Title of the Manuscript:	Assessment of Economic Viability of Engineering Structures As Landslide Protection Measures In Landslide Prone Zones
Type of the Article	Original Research Article

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)



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PART 1: Review Comments

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Compulsory REVISION comments	- Why findings of the study/cost-benefit analysis are not covered in the abstract? - Why the end conclusion of the accomplished cost-benefit analysis only covers the indirect benefits of improved drainage and roofs guttering, excluding the direct benefits of having retaining walls, check dams, drains and rainwater harvesting structures in place? - Improve writing grammar and clarity e.g. - Estimates of the landslide mitigation.....is are given; - An assumption of whole slope failure has occurred in location that from then onwards no landslide will occur in any location?!; ~~This~~ These can be quantified.....; - Formulas should cite where sourced from; - The total and individual allocated costs for landslide mitigation measures structure establishment by the government has been obtained?!; - The ~~work~~ works of establishing the structures are carried; - With 1.22(7, 62, 141) of the total population of Tamil nagu, Nilgiris soil and water conservation works under taken are treated contour bunding with vegetable fencing....?!	It was found that constructing the mitigation structures mitigates the landslides but maintaining the strucutres prolongs the benefits of the structures for a longer time. As direct benefits of the landslide mitigation structures are known already the importance of maintaining the functioning of the structures which improves not only the direct benefits but also the indirect benefits were highlighted. An assumption of whole slope failure has occurred in a location that from then onwards no landslide will occur in the same location. The total cost to be invested for the constructing the mitigation structures in a particular area and individual structure cost allocated for landslide mitigation measures structure establishment by the government has been obtained from the respective departments and has been used in the study. Soil and water conservation works under taken Agricultural Engineering Department in Nilgiris are treated contour bunding with vegetative fencing, terrace support wall, bench terracing works, silvi pastoral development, staggered contour trenching, check dams, drainage line works, dry stone pitching etc. Corrections have been carried out as per the comments.
Minor REVISION comments		
Optional/General comments		