

Review Form 1.6

Journal Name:	International Journal of Environment and Climate Change
Manuscript Number:	Ms_IJECC_85063
Title of the Manuscript:	DESIGN AND DEVELOPMENT OF A TWO-ROW POWER OPERATED MAIZE DIBBLER
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:

(<https://www.journalijecc.com/index.php/IJECC/editorial-policy>)

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	No results and discussion was present in the manuscript. lacks in citations of critical finding in introduction and methodologies adopted in study. Objective statement of the study was missing Design of critical parts was missing like axle shaft, dibbler mechanism, seed box and chain drives No design validation was present in the study, even a finding of laboratory experiment In conclusion mentioning damage seeds, however its nor explained in material and method neither in results. Conclusion looks too fishy. There is nothing mentioned regarding any outcome of design. Its seems I am reading introduction not conclusion.	Noted Correction effected Revised accordingly Amended
Minor REVISION comments	Use Planting instead of sowing in keywords Add latest available data of production in page no. 1 Directorate of Economics and Statistics, India, 2018 – reference missing in page no. 1 Khura 2011 – reference missing in page no. 2 Statement by Ravikumar et al., 2017 was not clear – rewrite Statement by Ali et al., 1998 was not clear – rewrite mechanism employed was not clear. Page no. 5 No specification of chain type is mentioned (Power Rating). Page no. 6 Seed hopper must be designed on basis of angle of repose. It must be studied in physical properties of maize seeds. Page no. 7 Check grammar page no. 7 Seed rate missing which was considered during designing. Page no. 8 What is the recommend number of seeds per dropping for maize. Page no. 10 Anonymous, 2014 – reference missing	Noted Revision mad Done revision Correction made Done
Optional/General comments	The theme of manuscript is in line with aim and scope of journal. I recommended the manuscript for publication with above mentioned major revisions.	

PART 2:

	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)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	