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Journal Name:	Journal of Energy Research and Reviews
Manuscript Number:	**Ms_JENRR_48514**
Title of the Manuscript:	**Efficient thermal cycle undergoing adiabatic contraction based work by releasing heat**
Type of the 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:
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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		
Minor REVISION comments	1.All the variable symbols should be italic, both in the text and figures. 2.More details of the difference between reciprocating single or double acting cylinders are suggested to add in the introduction. 3.In the section 2.1, the test rig composed by a double effect reciprocation cylinder equipped with heat transfer fluid piping, control valves and heat exchangers was conducted, more information about the test bench should be added. The test instruments and their measurement accuracy should be provided, and a system error analysis of the test bench may help for the publication strictness. 4.In the Fig.2, test rig to verify single heat-work interaction modes designed to carry out experimental proofs of concept. It is equipped with heat exchangers, heating and cooling heat transfer fluids, piping, control valves, and a reciprocating double acting cylinder, but I didn't find the data to proof it, the author are suggested to add the experiment data in this section. 5. Fig. 3 presents the layout of heat work-interactions by means of double-acting reciprocating cylinders and heat transfer by means of forced convection, the working fluid in the double-acting reciprocating cylinders should be introduced.	
Optional/General comments		

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?	*(If yes, Kindly please write down the ethical issues here in details)*	

Reviewer Details:

Name:	***Wei Li***
Department, University & Country	***Jiangsu University, China***