

Review Form 1.6

Journal Name:	Journal of Engineering Research and Reports
Manuscript Number:	Ms_JERR_78268
Title of the Manuscript:	PERFORMANCE EVALUATION AND OPTIMIZATION OF A TWO HORSE POWER CONCENTRIC TUBE HEAT EXCHANGER
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:

(<https://www.journaljerr.com/index.php/JERR/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 figure of setup is available. Its difficult to correlate. No graphs are available for the experimental results.	
Minor REVISION comments	Results showed that the heat exchanger proved to be more efficient when the temperature of the hot fluid (water) dropped from 100 ⁰ C to 60 ⁰ C showing a moderate heat transfer rate... How?? Authors mentioned that the aim of the design was met as heat was gained by the cold fluid (water) in the course of the process. Justify it The increase in the number of passes from one to five was essential in achieving maximum efficiency in the rate of heat transfer. [This is very general statement which has been proved much earlier.	
Optional/General comments	How the authors calculated the overall heat transfer coefficient of the tube as 397.5W/M ² °C and volumetric and mass flow rates of the tubes. Similarly how overall heat transfer coefficient of the shell was calculated as 370W/ M ² °C. How authors calculated the thermal efficiency.	

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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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