Review Form 1.7

Journal Name:	**Journal of Energy Research and Reviews**
Manuscript Number:	**Ms_JENRR_102798**
Title of the Manuscript:	**Under-Voltage Protection of Power Transmission Lines**
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.
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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 **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**Abstract:** **[1] The abstract provides a brief overview of the paper's content. However, it would be beneficial to include specific details about the methodology and key findings of the study to provide a clearer understanding of the research work.** **Introduction:** **[1] The introduction adequately highlights the importance of continuous monitoring and protection of transmission lines. However, it would be helpful to provide a concise overview of the existing methods and technologies used for fault detection, classification, and location in power systems.** **[2] Figure 1: Yellow colour legend is missing.** **[3] Figure 2: Typo.** **[4] Figure 2: For the diamond shape chart, please add a "YES" for the downward proceeding route.** **Method of Implementation:** **[1] The description of the algorithm used in designing the under-voltage relay is concise and informative. However, it would be advantageous to provide more details about the logic gates and their specific functions within the relay design.** **Simulation Results:** **[1] The simulation results section covers single-phase-to-ground faults and three-phase-to-ground faults. While these are important fault scenarios, it would be valuable to include results for other fault types as well, such as phase-to-phase faults, double-phase-to-ground faults, and three-phase faults. This would provide a more comprehensive evaluation of the under-voltage relay's performance across various fault conditions.** **[2] The waveform diagrams provided in Figures 4 and 5 offer a visual representation of fault scenarios. However, it would be beneficial to include quantitative performance metrics, such as fault detection time, accuracy of fault classification, and the relay's response time.** **[3] Please add the SIMULINK blocks design.** **[4] Figures 4 & 5: The font size is too small to be able to read.** **Conclusions:** **[1] The conclusion section briefly summarizes the key findings of the study. To enhance the comprehensiveness of the conclusions, consider providing a concise discussion on the performance of the proposed under-voltage relay in terms of fault detection, classification, and location accuracy.** **[2] It would also be valuable to highlight the limitations of the proposed method and suggest potential areas for future research or improvements.** **References:** **[1] The references provided are relevant and contribute to the context of the paper. However, consider adding more recent references to reflect the latest advancements in the under-voltage protection of power transmission lines. The current list is out-of-date. Recommend to refer to the latest publications, and manuscripts published within the latest 5 years period.** **[2] It would be helpful to provide DOI (Digital Object Identifier) or direct links to**	

	the referenced articles whenever possible, allowing readers easy access to the cited sources (optional suggestion). **[3] Please standardize the format and style of the reference list according to the journal template.**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	**Encourage proofreading of the manuscript to improve the grammar and rectify the typo error.**	
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:

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