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REVIEWER'S REPORT

Manuscript No.: IJAR 54213

Title: Detecting Illegal Logging Using Deep Learning on Sentinel-1 SAR Imagery.

Recommendation:

Accept as it is .....

Accept after minor revision.....Y.....

Accept after major revision .....

Do not accept (*Reasons below*) .....

Rating	Excel.	Good	Fair	Poor
Originality	Y			
Techn. Quality		Y		
Clarity		Y		
Significance		Y		

Reviewer Name:Dr.Shikhar Prateek Pandey **Date:** 7 -10-25

Detailed Reviewer's Report

The core research is scientifically sound, innovative, and relevant, and the results demonstrate strong potential for real-world application. The model design is well thought out, the methodology is robust, and the work addresses a critical environmental problem.

The below suggestions are minor improvements rather than fundamental flaws. Addressing them will significantly enhance the paper's clarity, impact, and credibility especially if the authors aim for broader academic visibility or future extensions.

The paper would be stronger if it compared the proposed model's performance with other state-of-the-art deep learning models or previous approaches in illegal logging detection or forest change monitoring. This would help clearly show how much advancement this work offers.

Figures and tables are informative but could be enhanced with clearer labelling, color-coding, and higher resolution. A more detailed confusion matrix visualization and example segmentation maps would also enrich the presentation

While adequate, the literature review could include more recent works (2023–2025) related to deep learning in environmental monitoring and SAR-based land cover classification to better position this research in the current landscape.

So final verdict: Accept after minor revisions. If the authors incorporate the improvements suggested above, the paper will be publication-ready and impactful.