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REVIEWER'S REPORT

Manuscript No.: IJAR-57922

Title: Field characteristics and aspects of the Sedimentology of the Lokoja Basal Sandstone in the Bida Basin, Nigeria: Implications for Paleodepositional Environment.

Recommendation:

- Accept as it is
- Accept after minor revision.....
- Accept after major revision
- Do not accept (*Reasons below*)

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

Reviewer's ID: JPR-171

Detailed Reviewer's Report

This study presents sedimentological field data and grain-size analysis of the Lokoja Basal Sandstone in the Bida Basin, Nigeria, interpreting a fluvial depositional environment. The work is sound and provides useful regional data. However, a few minor issues should be addressed. First, several figures (e.g., Figures 3, 4, 5, 6) lack scales or have unclear annotations; adding scale bars and clearer labels would improve reproducibility. Second, the manuscript contains occasional typographical errors and inconsistent reference formatting (e.g., "Addeleye" appears instead of "Adeleye" in some citations; "Allen, 1970" is listed but missing full journal details). Third, the discussion of "toxic environment" (page 16) based on absence of fossils is ambiguous – rephrase to "unfavourable for fossil preservation" or discuss possible taphonomic bias. Fourth, Table 1 would benefit from standardised units and clearer separation of lithologies. Fifth, the conclusion could briefly mention the economic implications (e.g., ironstone potential) as hinted in the introduction. These revisions are straightforward and do not require new data collection. With these corrections, the paper will be acceptable for publication.