# OPERATIONAL STATUS OF WATER BOREHOLE SCHEMES IN SOUTH-EASTERN NIGERIA

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## ABSTRACT

This study was carried out in south-eastern states of Nigeria to evaluate the status of water borehole schemes. The study utilized questionnaires and field observations to achieve its purpose. Some 42.86% of the boreholes studied are dysfunctional in Abia state due to pump (77.78%) and generator (22.22%) failures respectively. In Imo state, 54.32% of boreholes studied are dysfunctional due to pump (70.46%) and generator (29.54%) failures respectively. In Anambra state, 38.89% of boreholes studied are dysfunctional due to pump (52.38%) and generator (47.62%) failures respectively. In Enugu state, the study indicated that 15.1% of boreholes studied are dysfunctional due to pump (62.5%) and generator (37.5%) failures respectively. Evidently, the adoption of a well-structured maintenance programme is therefore fundamental to the development of sustainable water supply in these states.

**Keywords:** Water boreholes, dysfunctional, functional pump generator