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# ANALYSIS OF WATER POVERTY FOR IREPODUN LOCAL GOVERNMENT AREA (KWARA STATE, NIGERIA)

**Abstract.** In the wake of a growing concern about the unchecked rise of poverty and the consequences of water scarcity, the relationships between water and poverty form an object of a sprawling literature. This research seeks to study access to rural water supply in Irepodun Local Government Area (LGA), Kwara State. Data were sourced from the 11 wards in the LGA. Twenty households were sampled per ward; altogether 220 households were sampled in this study. Access to water was estimated using Water poverty index (WPI) computed after Sullivan and Meigh [2006] using household data; based on 5 sub-components: resources, accessibility, capacity, uses and environment. Resources was seen to be high generally, with highest in Omu Aran ward I (93 %), accessibility was highest in Oro I (71 %), capacity was generally weak (highest score was 43 % in Omu Aran III), uses was highest in Omu Aran II and in Oko, environment was highest in Ipetu-Rore-Aran Orin ward (63 %). Water poverty index (WPI) was least (47 %) in Oko ward, while the highest (62 %) was obtained at Ipetu-Rore-Aran Orin ward. Only 2 LGAs namely: Oko and Arandun wards are water poor, all other wards have above average scores. However, the seemingly high scores are mainly due to the relatively high mean annual rainfall (MAR) and the efforts of Community Based Associations (CBA) which is typical of Kwara south senatorial districts of Kwara state which has long history of CBAs and Town Unions dating back into about 100 years. Hence, there is need for government and public-private intervention in water provision; particularly in Oko and Arandun wards in view of their low capacities and few sources of water as locals

will have low capacities to explore alternative sources of water. Conclusively, access to water in Irepodun LGA is appreciably high. However, the challenges of increasing population and urbanization suggest needs for expanding water resources infrastructures in the LGA.

**KEY WORDS:** Water Poverty, Income Poverty, Accessibility, Capacity, Uses, Environment, Resources

## INTRODUCTION

Water poverty index is a combined measure of water availability and access. It is a platform for discussing the twin relationship between poverty and shortage of water. The World Water Assessment Program [WWAP, 2001] sees water poverty as the condition of insufficient water of satisfactory quality to meet human and environmental need. WPI is the similitude of the HDI, it is disaggregate in nature and it is suitable for assessing people's water need, particularly in rural households compared to other indices [Alcamo, et al, 1997, 2000; Sekler, et. al. 1998; Vorosmarty, et. al. 2000; Sullivan, 2002; Lawrence et al, 2002; Soussan and Frans, 2003; etc]. The underlying conceptual framework of the index encompass water availability, access to water, capacity for sustaining access, the use of water and the environmental factors which impact on water quality and the ecology which water sustains. One of the challenges of water planners is how to estimate water need of household objectively.

Access to water has become a human right issue and a descriptor of poverty. There























