

Climate Change Adaptation in Dar es Salaam: Local Government Opinions on possible Interventions

Abstract

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This paper presents local government proposals on the possible climate change adaptation intervention in Dar es Salaam that will reduce salt water intrusion to the ground water. The paper presents various proposed projects that could assist Dar City Council and its three Municipalities namely Kinondoni, Ilala and Temeke to reduce climate change induced impacts especially that on sea water intrusion. Methodological approaches employed in identifying possible projects that will need to be facilitated for the local government in Dar es Salaam to be able to invest in the adaptation included: series of workshops that facilitated understanding of climate change impacts and possible mainstreaming approached of climate change adaptation in the local government plans; capacity building of the technical experts from local government on developing possible intervention proposals; and the actual proposal development. Based on the process used in developing the proposals three different interventions have been proposed that need facilitation for their implementation. These interventions include (i) Conservation of water resources along the coastal belt of Temeke as a strategy towards minimising salt water intrusion; (ii) Rainwater Harvesting as Climate Change Adaptation Strategy for Reducing Seawater Intrusion in Coastal Areas of Dar es Salaam; and (iii) capacity building and community awareness on the impacts of climate change on salt water intrusion. The paper details various proposed activities for the implementation of these intervention investments as well as the challenges related to the possibility of implementing the interventions. Based on the nature of the interventions proposed and the efficacy of such interventions in reducing the impact, the paper recommends piloting the interventions through the inclusion of adaptation component in the Medium Term Expenditure Framework (MTEF) guidelines and also through soliciting financial support from various sources including the local government internally generated revenues.

Keywords: Adaptation, awareness, conservation, rainwater harvesting