

Technology Fact Sheet for Mitigation

Sector: Energy.

Sub sector: Transport

Technology: Mass Transport (Buses 60+) ⁱ

A.1 Introduction

Mass or Public transport is a shared passenger transportation service which is available for use by the general public, as distinct from modes such as taxi, car-pooling or hired buses. Public transport modes include buses, trolleybuses, trams and trains, rapid transit (metro/subways/undergrounds etc.) and ferries. Beside economic benefits, concern about air pollution and traffic congestion are the main driving forces for such technology

A.2 Country specific/ applicability

Mass transport or public transport started in Sudan before the 1950s, particularly in Khartoum the capital. The governmental owned company of mass transport appeared in Khartoum during the seventies and early eighties. During the late eighties and nineties the small scale private mode of transport dominated especially in Khartoum. Recently, a lot of buses are operating in Khartoum State, but still, there is a need to increase the number of buses.

A.3 Status of technology in country

The technology is well known and there is enough know how about it. The country's national strategies are supporting the expansion in the mass transportation system.

A.4 Barriers

- Lack of transportation policies which encourage mass transport
- High upfront cost.
- Lack of hard currency to import the required buses
- Need for more road and re- structuring of existing roads
- Cultural aspects; people prefer to use small mass transport vehicles.

A.5 Benefits to economic / social and environmental development

- Safety and security as mass transportation is generally safer than private cars
- Reduction of air pollution
- Enhance mobility Equality by providing means of transport for disabled, children, elderly etc.
- Create jobs at bus system e.g. drivers, collectors, etc.
- Reduce country consumption on fossil fuel

A.6 Costs

The average price for the bus (60+) is about 175,000 USD

ⁱ This fact sheet has been extracted from TNA Report – Technology Needs Assessment for Climate Change Mitigation - Sudan. You can access the complete report from the TNA project website <http://tech-action.org/>