

Mobile Enabled Community Services

UKaid
from the British people

Leveraging Mobile Technologies to Support Access to Community Services

Asia Working Group

Restricted - Confidential Information © GSMA 2011



Restricted - Confidential Information © GSMA 2013

Some Numbers about India..



Restricted - Confidential Information © GSMA 2013

Some Numbers about India..

Population (MECS zone)	1.24 Billion



Restricted - Confidential Information © GSMA 2013

Some Numbers about India..

Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million



Restricted - Confidential Information © GSMA 2013

Some Numbers about India..

Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million



Restricted - Confidential Information © GSMA 2013

Some Numbers about India..

Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million
Population Without Access to Improved Sanitation	808 Million



Restricted - Confidential Information © GSMA 2013

Some Numbers about India..



Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million
Population Without Access to Improved Sanitation	808 Million
Population in Extreme Poverty	369 Million

Restricted - Confidential Information © GSMA 2013

Some Numbers about India..



Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million
Population Without Access to Improved Sanitation	808 Million
Population in Extreme Poverty	369 Million
Population without Access to Formal Financial Services	608.9 Million

Restricted - Confidential Information © GSMA 2013

Some Numbers about India..



Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million
Population Without Access to Improved Sanitation	808 Million
Population in Extreme Poverty	369 Million
Population without Access to Formal Financial Services	608.9 Million
Population Covered by GSM Networks	854 Million (+)

Restricted - Confidential Information © GSMA 2013

Some Numbers about India..



Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million
Population Without Access to Improved Sanitation	808 Million
Population in Extreme Poverty	369 Million
Population without Access to Formal Financial Services	608.9 Million
Population Covered by GSM Networks	854 Million (+)
Unique Mobile Subscribers	321.4 Million

Restricted - Confidential Information © GSMA 2013

Some Numbers about India..



Population (MECS zone)	1.24 Billion
Population Without Access to Electricity	292.7 Million
Population Without Access to Water	93.7 Million
Population Without Access to Improved Sanitation	808 Million
Population in Extreme Poverty	369 Million
Population without Access to Formal Financial Services	608.9 Million
Population Covered by GSM Networks	854 Million (+)
Unique Mobile Subscribers	321.4 Million
Off Grid Mobile Subscribers	44.7 Million

Restricted - Confidential Information © GSMA 2013

Some Numbers about Asia..



Population (MECS zone)	3.56 Billion
Population Without Access to Electricity	685.2 Million
Population Without Access to Water	357.2 Million
Population Without Access to Improved Sanitation	1.82 Billion
Population in Extreme Poverty	450 Million
Population without Access to Formal Financial Services	2.10 Billion
Population Covered by GSM Networks	2.87 Billion (+)
Unique Mobile Subscribers	1.32 Billion
Off Grid Mobile Subscribers	170.5 Million

Restricted - Confidential Information © GSMA 2013

What is Enhanced Utility?

*The term **enhanced utility access** refers to the use of mobile technologies, either through Machine to Machine (M2M) usage and/or mobile services, i.e. SMS/USSD and mobile payments, to enhance the access to energy and water for the population who lacks access to a formal utility connection*

Mobile?

Current Usages:

Remote Monitoring through M2M (SIM Cards?) or phone based solutions (also SIM Cards)
(ex.Sarvajal, M-KOPA in Africa,..)

Mobile Payments increasing payment collection and flexibility of payments
(Simpa Networks, M-KOPA, Off Grid Electrics,..)

Increase the Flow of Information between Service Providers and Customers (leveraging SIM Cards to get in touch with individuals)

Restricted - Confidential Information © GSMA 2013

Upcoming MECS Research

Part of our MECS Activities, we will do more research in that space to outline what's the impact, opportunities and challenges for enhanced utilities.

Example of white papers to be published in next 18 months:

- *Market Sizing Enhanced Utility*
  - *Estimated addressable markets for Asian Region (GSM covered without access to Community Services):*
    - *115 Million people for Energy Access*
    - *41 Million people for Water Access*
- *The role of Mobile in Water Service Delivery*
- *Mobile Payments for Utility Access*
- *Update on the role of M2M for Community Services Access*

Restricted - Confidential Information © GSMA 2013

Leveraging Mobile Technology to Support Access to Community Services Panel

Paul Needham *– President, Simpa Networks*

Anuj Sharma *– CEO, Sarvajal*

Juan Costain *– Regional Team Leader, Water and Sanitation Programme, World Bank*

Michael Nique, Innovation Manager
MECS
mnique@gsma.com

Restricted - Confidential Information © GSMA 2013