Federal Ministry for the
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Indo-German Collaboration On
Sustainable Urban Development
Tuesday, 31st May 2016 | Metropolitan Solutions, Berlin

100 "Smart Cities" in India

ASIEN-PAZIFIK-
WOCHEN BERLIN

EMBASSY
OF INDIA
Berlin
सत्यमेव जयते

Smart City
MISSION TRANSFORM-NATION

MP
GROUP

NIUA
National Institute of Urban Affairs

SIEMENS
Ingenuity for life

M.Venkaiah Naidu

MINISTER FOR URBAN DEVELOPMENT, HOUSING AND URBAN POVERTY ALLIEVATION AND PARLIAMENTARY AFFAIRS.
GOVERNMENT OF INDIA

URBAN INDIA TODAY constitutes more than 31% of the Indian population and contributes about 63% to the nation's GDP. India's urban population is larger than that of the entire United States, and is second only to China. These numbers are going to increase in the foreseeable future. India is the fastest growing large economy in the world. Indian cities, like elsewhere, are engines of growth. However, Indian cities lack in terms of infrastructure and livability. Government of India has launched several flagship programs, namely Smart Cities Mission, Atal Mission for Rejuvenation and Urban Transformation (AMRUT), Housing for All and Swachh Bharat Mission (Clean India Mission) to address the infrastructure gap in the cities.

Given the massive investment requirement, business-as-usual will not work. India is aiming at a paradigm shift in the way that urban infrastructure is financed. The old paradigm relied primarily on central government funding of infrastructure through a combination of national budget allocations, and borrowings from multilateral development agencies. The new paradigm uses central government funding to leverage investments from commercial sources, including private investment.

Total planned investment in 100 Smart Cities alone works out to $40 billion till 2020. Out of this, about $16 billion will come from governmental sources and the rest is to be tapped from market. Areas where this money would be spent are Intelligent Transport Solutions, Smart solutions for management of water, energy, solid waste, e-governance, Real Time Information delivery, Smart grids, smart health and education services, Smart card for transport, Intelligent street lighting, Central Command and Control Centre, Vehicle tracking, Data Analytics Centers, Energy Efficiency Promotion, CCTV surveillance, GPS enabled smart rickshaws etc. along with safety of citizens are some of the attributes of these smart cities.

There are significant opportunities for the private sector and foreign investment in urban infrastructure projects in India. I am confident that companies form Germany and other parts of the world will find the investment potential in Indian cities very attractive and become part of India's urban renaissance.

I invite you to become part of this historic transformation.

Dr. Barbara Hendricks

FEDERAL MINISTER FOR THE ENVIRONMENT, NATURE CONSERVATION, BUILDING AND NUCLEAR SAFETY

CITIES ALL OVER the world are expanding rapidly with more and more people moving away from the countryside. The number of people living in cities worldwide is already greater than those living in rural areas. By the end of the century, it is estimated that this number will account for almost three quarters of the world's population.

The challenges we face are growing with the size of the cities. We must therefore ask ourselves today how we are going to deal with global urbanisation, what opportunities it offers us and how we want to deal with the tasks associated with it.

We must find answers, worldwide, to questions surrounding mobility, public infrastructure, energy consumption, pollutant emissions and quality of life.

The Indian Government's ambitious 100 Smart Cities Programme is a groundbreaking project in this context. The progress made in implementing the programme, launched by Indian Prime Minister Narendra Modi, will be presented at the 100 Smart Cities Conference. The aim of the conference is to show where India and Germany stand in relation to smart cities and, at the same time, provide a platform for an in-depth exchange.

I invite you to attend the Indo-German 100 Smart Cities Conference, inform yourselves and participate in the discussion.

Integrated Planning -
Collaborative Approaches for Smart Cities

THE FIRST 20 CITIES have been already announced and the next set of cities is just round the corner. Cities in India had evolved in a different manner, every city has a different geographical growth pattern and economic development. There can be many ways to define what makes a city smart. Smartness can be viewed in terms of intelligent and efficient use of available resources, sustainability and livability of the city or we can also un-bundle it and view it terms of smart mobility, smart governance, smart housing, smart economy, smart living and so on.

Smart City concepts needs to take into account the local context, requirements, opportunities and vulnerabilities. Often focus is on the wrong end of the pipe. Single solution are presented first before the real need or problem is investigated. There is a need for clear definition of individual local problems and challenges and the development of specific solutions to overcome them.

Smart Cities are too complex to handle them by only municipalities or state authorities. Social integration and collaboration of all relevant stakeholders for the early stage must be rather seen as an process than as a collection of autarkic ict-based solutions. Technology does play an important role in improving efficiency and capability of city services. Successful implementation of smart technologies, needs an integrated approach that has clear links to an overall urban development strategy. In order to guarantee success there needs to be a clear implementation strategy that is measurable and has a strong responsible organisational structure.

An integrated urban planning, financing, execution, good governance and cultural shift is the way ahead.

The Aim Of The Conference

TO PRESENT THE INDO-GERMAN WORKING GROUP ON SUSTAINABLE URBAN DEVELOPMENT

HIGHLIGHT THE PROGRESS, INITIATIVES AND POLICIES OF THE INDIAN SMART CITIES

TECHNICAL ASSISTANCE CO-OPERATIONS, EXPERTISE SHARING AND BUSINESS ENGAGEMENT

CREATE A PLATFORM FOR DIALOGUE AND EXCHANGE OF INFORMATION, SHARE KNOWLEDGE, SUPPORT TECHNOLOGY, INNOVATION, EXPERIENCE AND BEST PRACTICES IN THE AREA OF SMART CITIES

ATTRACT POTENTIAL INVESTMENT IN INDIAN SMART CITIES PROJECTS

Open Data

Internet of Things

Smart Agriculture

Smart Retail

Smart Home

Smart Mobility

Education

Smart Health

Smart Grid/ Smart Energy

Smart Government

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100 "Smart Cities" in India

SMART CITIES
Indo - German working group on Sustainable Urban Development

INTELLIGENT & SUSTAINABLE URBANISATION
Integration of economic, social and environmental dimensions

FINANCING CITIES
Effective ways of financing smart city planning, investment and operation

PHYSICAL INFRASTRUCTURE
Water & Waste, Sustainable Energy, Housing & Safety

Program

09.30 - 10.30

Registration

10.30 - 11.30

"100 SMART CITIES IN INDIA"

Indo - German cooperation
on Sustainable Urban
Development

HON'BLE MINISTER,
DR. BARBARA HENDRICKS,
Federal Minister for the
Environment, Nature
Conservation, Building and
Nuclear Safety

HON'BLE MINISTER,
MR. M. VENKAIAH NAIDU,
Urban Development, Housing
& Urban Poverty Alleviation,
Parliamentary Affairs,
Government of India

DR. ROLAND BUSCH,
Member of the Managing
Board of Siemens AG

11.30 - 12.00

100 SMART CITIES - MOVING
AHEAD TO BUILD INDIA'S
LIVABLE CITIES

PROF. JAGAN SHAH,
Director, National Institute of
Urban Affairs

12.00 - 13.00

Lunch & Networking Break

13.00 - 14.30

INDO-GERMAN JOINT WORKING GROUP ON
SUSTAINABLE URBAN DEVELOPMENT

Presenting the joint working group and framework for
the Smart Cities cooperation

DR. SUSANNE LOTTERMOSER, DY. DIRECTOR GENERAL
German Federal Ministry for the Environment, Nature
Conservation, Building and Nuclear Safety (BMUB)

DR. SAMEER SHARMA,
ADDITIONAL SECRETARY (SMART CITIES)
Ministry of Urban Development, Govt of India

MR. VINEEL KRISHNA, CEO,
Bhubaneswar Smart City Limited

MR. AMIT MEENA, CORPORATION SECRETARY,
Kochi Municipal Corporation
MRS. SOUMINI JAIN, MAYOR
Kochi Municipal Corporation

DR. K. VIJAYAKARTHIKEYAN, MUNICIPAL COMMISSIONER
Coimbatore City Municipal Corporation

14.30 - 15.30

FINANCING INDIAN SMART CITIES

PANEL DISCUSSION : Effective ways of financing smart
city planning, investment and operation

MR. FELIX KLAUDA, HEAD OF DIVISION
Urban Development and Mobility, South Asia, KfW
Development Bank

MR. VINEEL KRISHNA, CEO,
Bhubaneswar Smart City Limited

MR. AMIT MEENA, CORPORATION SECRETARY,
Kochi Municipal Corporation

DR. K. VIJAYAKARTHIKEYAN, MUNICIPAL COMMISSIONER
Coimbatore City Municipal Corporation

MR. HERMANN MÜHLECK, EXECUTIVE DIRECTOR,
German Business Center India, Ernst & Young Germany

15.30 - 15.45

Networking Break

15.45 - 17.00

INTELLIGENT & SUSTAINABLE URBANISATION

Urbanisation as a tool for Integration of economic, social and environmental dimensions of sustainable development

DELIVERING INDIA'S SMART CITIES
DEEPAK GORAY,
Head - City Account Management Cluster South Asia
SIEMENS AG

PETER DAW,
Cities Projects Developer
SIEMENS AG

SMART CITIES INDIA: GERMAN TECHNOLOGY - LOCAL STRATEGY
MR. DAMIAN WAGNER,
Project Manager, Morgenstadt Initiative
Fraunhofer-Institute for Industrial Engineering IAO

INDO-GERMAN SMART INITIATIVE:
Collaborative Approaches for Integrated Urban Development in Indian Cities
The Indo-German Smart Initiative combines multidisciplinary knowledge in urban development, architecture and infrastructure supply and enhances its capabilities within a strong knowledge alliance with public institutions and private research groups

DIPL.-ING. ARCHITECT MARGRET BÖTHIG
Director India
gmp Architekten von Gerkan, Marg und Partner

DIPL.-ING. ARCHITECT EVA WALTER
International Project Management
DGI Bauwerk Gesellschaft von Architekten mbH

17.00 - 17.30

Integrated Planning - Collaborative Approaches for Smart Cities

Prof. Dipl.-Ing. Elke Pahl-Weber
Head of the Department of Urban Planning
Berlin University of Technology

17.30 - 19.30

Networking & Cocktail Dinner

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