

# India-UK Water Security Capability Exchange Initiative

13- 20 February 2016

Dr Gwyn Rees, CEH

## Outline of visit

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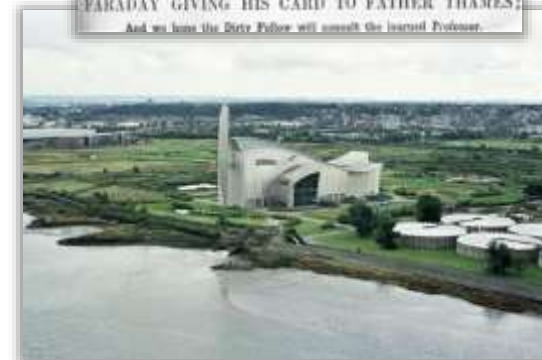
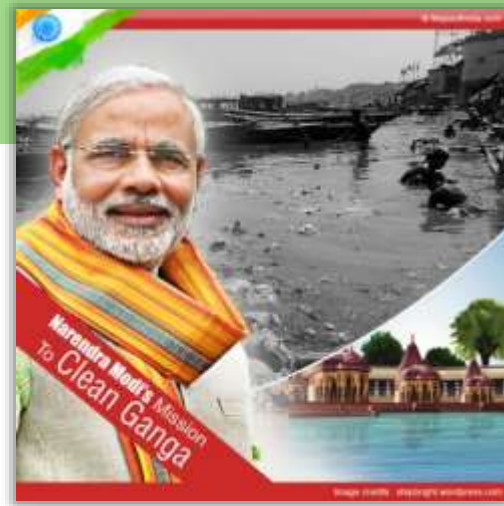
... and many more!

# Welcome to our Indian friends...

- **Mr. Suneel Dave**, Additional Director, Central Pollution Control Board
- **Prof. Arun Kumar**, Indian Institute of Technology Roorkee
- **Mr. Hari Har Mishra**, Director (Finance), National Mission for Clean Ganga
- **Dr. Dipankar Saha**, Member, Central Groundwater Board
- **Mr. M.P Singh**, Chief Engineer, Central Water Commission
- **Prof. Ravindra Kumar Sinha**, Patna University
- **Mr. Radhey Shyam Tyagi**, Member Water, Delhi Jal Board

# Background

- Prime Minister Modi has made the clean-up of India's rivers a national priority...
- the rejuvenation of the Ganges especially, through the National Mission for the Clean Ganga
- UK has considerable experience from the clean-up of the Thames and has a well-established water industry, possessing world-leading expertise in:
  - water law, governance and regulation;
  - infrastructure and systems design, development and implementation;
  - innovation and science of water resources and wastewater management
- In March 2015, three UK water experts were invited to India to “share” UK experiences
- This visit: a reciprocal exchange visit of high-ranking, influential Indian water experts



# Outcomes of the March 2015 visit...

- 5-day visit; met with Mrs Uma Bharati, *Minister of Water Resources, River Development and Ganga Rejuvenation* plus many other organisations, e.g. CWC, CPCB, etc.
- Many of lessons from UK/Thames are relevant to India's mission:
  - river management principles are the same
  - legal and regulatory requirements needed for improvement are similar
  - comparable scientific challenges (engineering, environmental)
- Identified key areas for partnership/co-operation:
  - IWRM & catchment planning approaches, incl. regulation & law
  - UK technology and treatment systems applicable to India
  - Capacity building, knowledge exchange
  - Alignment of UK & India research programmes



# Aims of this visit...

- To further strengthen the relationship between UK & India water experts
- To provide Indian delegates...
  - ...a week of intensive exposure to the UK water sector
  - ...greater appreciation of the breadth and depth of UK capabilities
  - ...better understanding of what is needed to improve the state of Indian rivers
- To identify opportunities for partnership and collaboration

# The week's programme...

- **Day 1: National Perspectives** day, exploring UK/EU water strategies, including a focus on the clean-up of Thames and other UK rivers.
- **Days 2 & 3: Strategic Water Planning, Governance and Regulatory Best Practice** workshop, involving regulators, water law firms, consultants and experts from other key disciplines
- **Day 4: Innovation Forum** focusing on what science innovation and research can contribute to sustainable water management in India.
- **Day 5: final Wrap-Up & Forward-Look**, to consider options for improving water security and future collaboration



# Thank you

## Acknowledgements:

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