

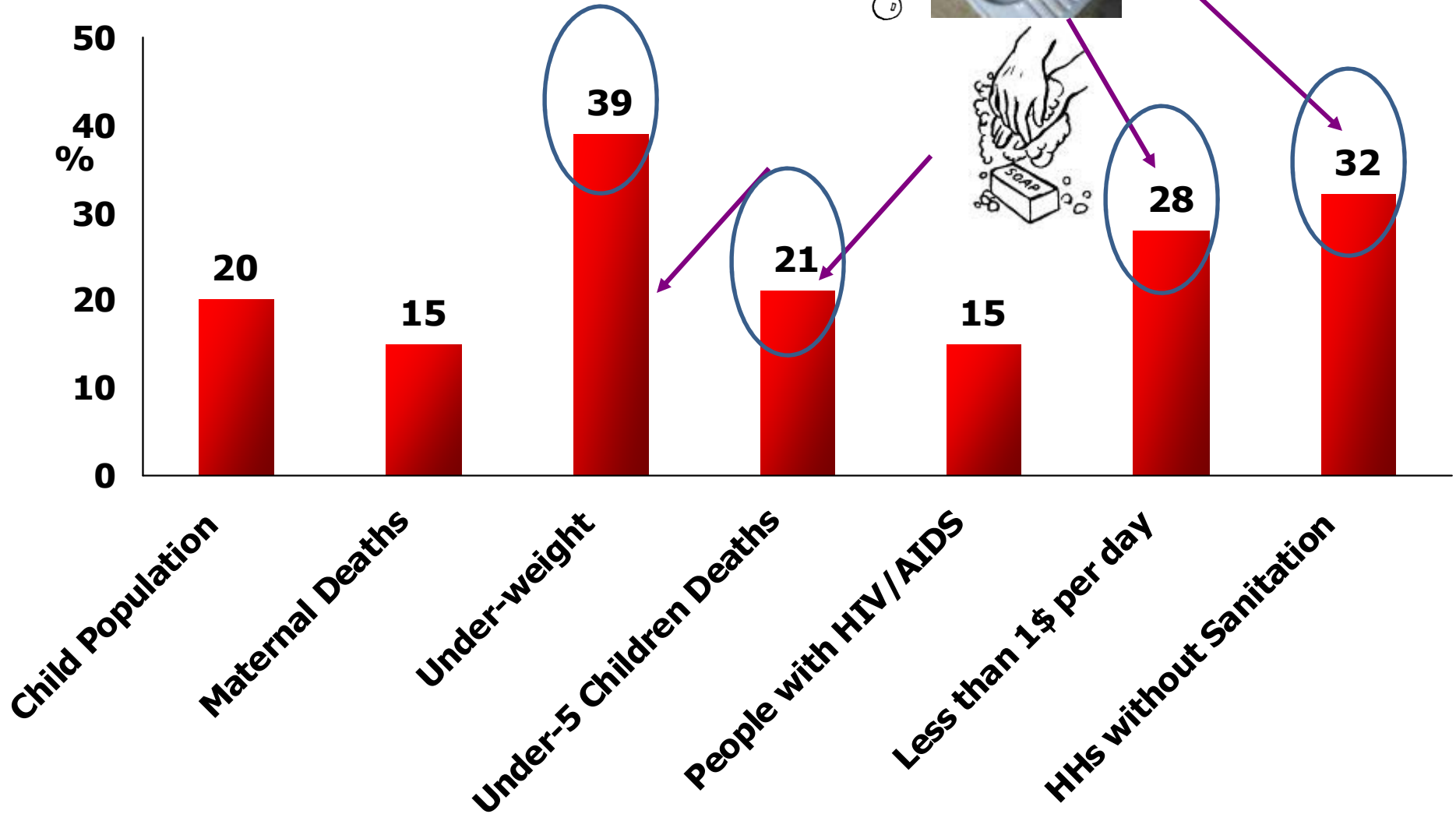
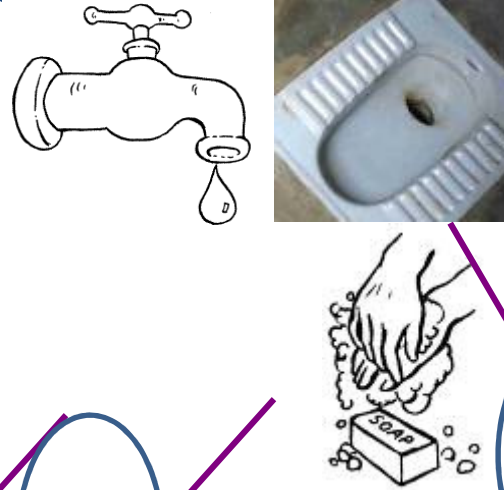
Brainstorming Workshop on Interface between Water Technology Developers and Other Stakeholders

**Supported by
Department of Science and Technology
New Delhi**



**National Environmental Engineering Research Institute
(Under Council of Scientific & Industrial Research, New Delhi)
Nehru Marg, Nagpur – 440 020**

India's share of global challenges



Background of the workshop

- **extent of contamination** and **unsustainable sources** impose more demands on **development of water technologies**
- **acceptance** of these technologies by **water supply agencies, community and practitioners** and **field implementation** is **equally important**
- A Google hit on ‘**Fluoride removal technologies**’ return with **107,000 results** and more than **33,000 affected habitations** and **25 million persons**
- something **beyond “technology development”** needs to be done

Challenges in water technologies

- Nearly **5.70 lakh habitations slipped back** to partial coverage
- **1.44 lakh habitations** having **contaminated drinking water** (only chemical contamination)
- **85% dependence on Groundwater** - Severe depletion
- Only about **35% habitations** with **pipied water supply**
- **Judicious investment** of financial outlay (to the tune of **Rs 9000 crore** only by Department of Drinking Water Supply)



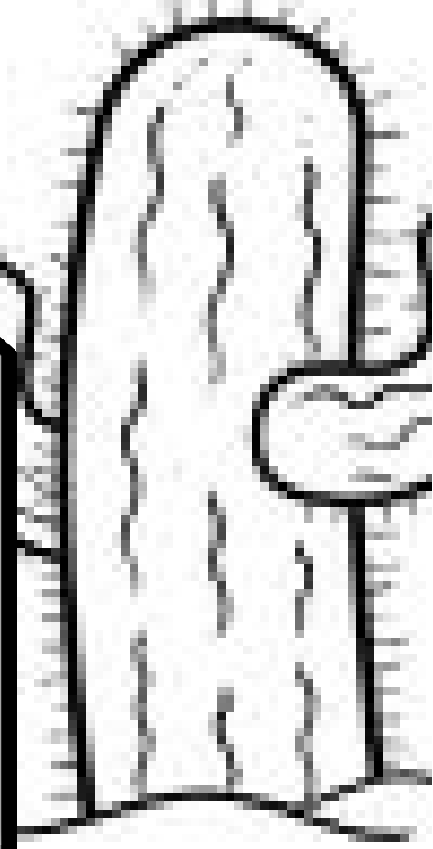
R&D Institutes



*Government
Organisations*

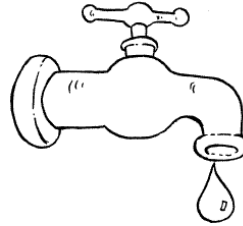
NGO's/International
organizations

Industries



Journal Paper...

Patents...



Election...
Funds...
Election.....



Planning...

Meeting..





Brainstorming Workshop
on

*Interface Between Water Technology
Developers and Other Stakeholder*

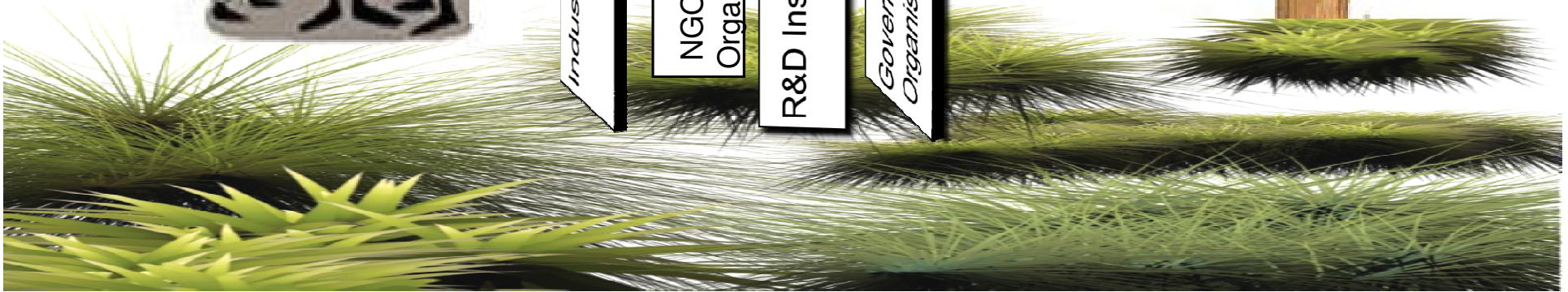
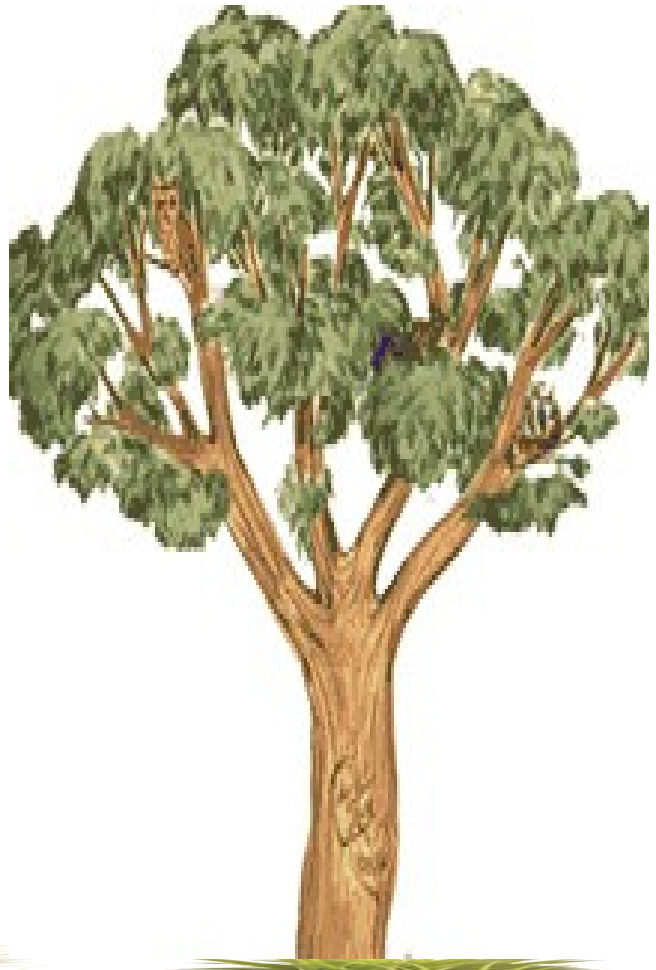


Industries

NGO's/International Organisations

R&D Institutes

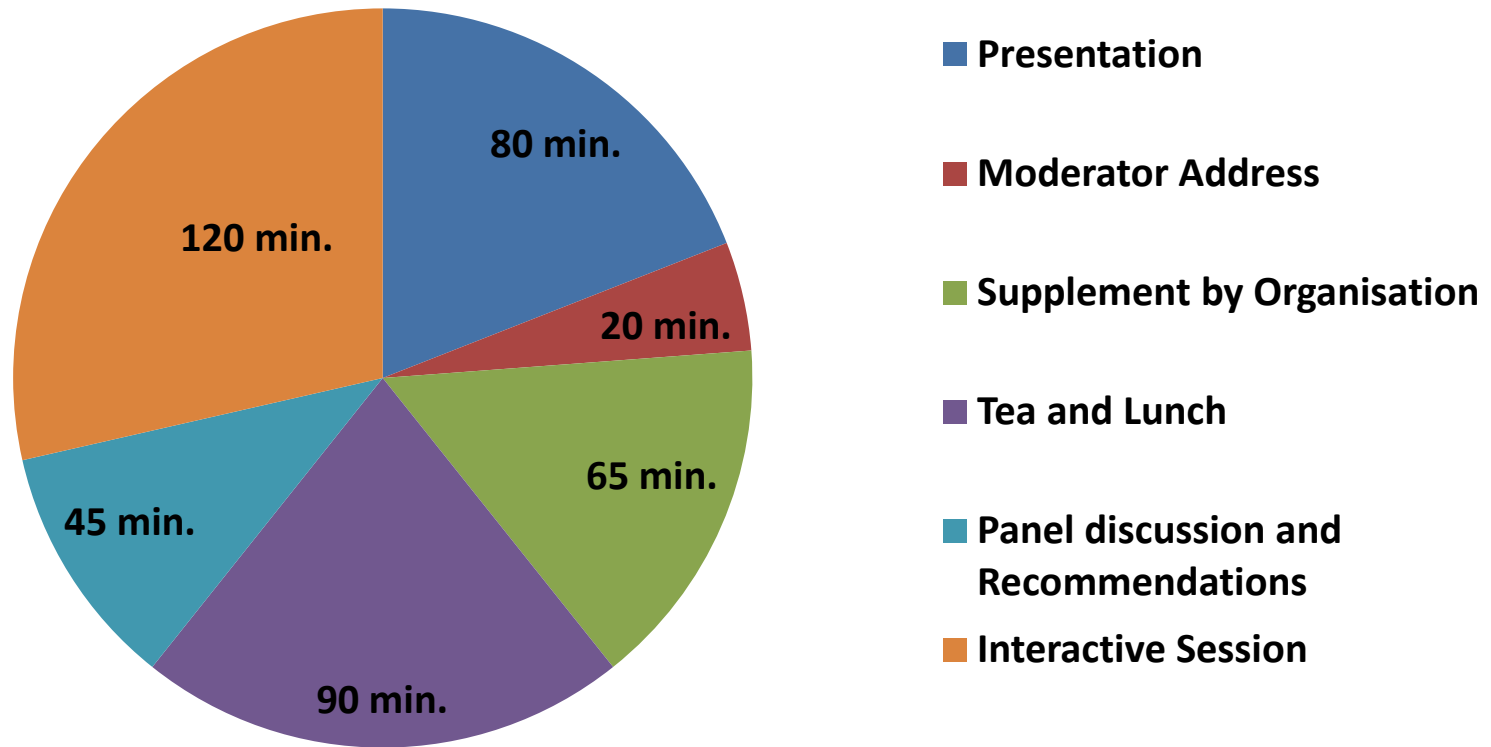
Government Organisations



Outcome of the workshop and the Way Forward

- **Develop database of technologies** – success stories and failure analysis
- **Depository of IEC tools** for community mobilisation
- **Evolve process** with **stakeholders** for technology development – consultation before initiating technology development/ modifications
- **Improved technology logistics**
- **Approach** for **validation** of **technology claims**
- **Synergy** among various **technology development programmes/ agencies/stakeholders**

Time Management In Workshop

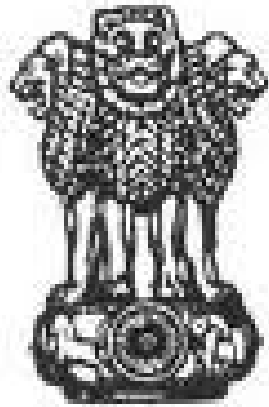


4 thematic sessions

Housekeeping Rules

- **Participate and speak**
- **Everyone has equal chance to speak**
- **Only one to speak at a time**
- **No cross-talking**
- **Seek Moderator's consent before speaking**
- **Respect time as others are also waiting to speak**
- **Allow presentations and hold your questions till the end of presentation**

Participation



सत्यमेव जयते

Government of India



RMRCT, Jabalpur



RWSS, Mahubnagar



CGWB



**Water is life
Sanitation is health
PHED**



World Health Organization



BIS

**Administrative Staff Collage of
India, Hyderabad**



Plan India



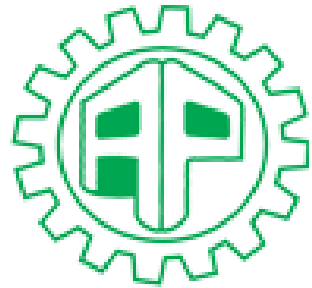
EUREKA FORBES
Your friend for life

WaterAid

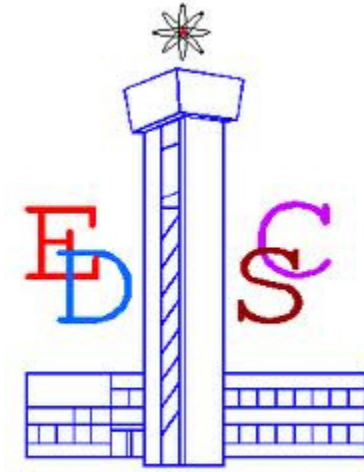


CEE
Centre for Environment Education

ION EXCHANGE
THE POWER BEHIND WATER
(INDIA) LTD
Total Environment Solutions



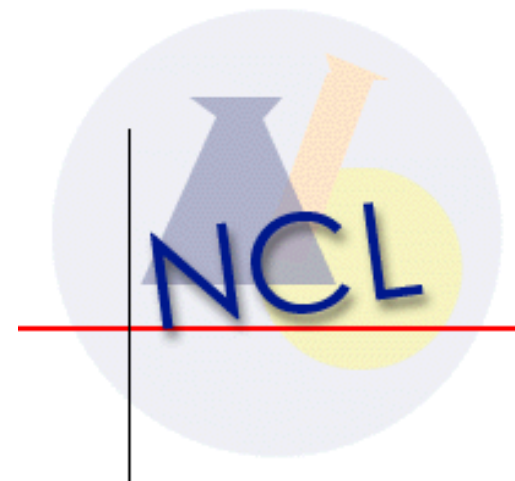
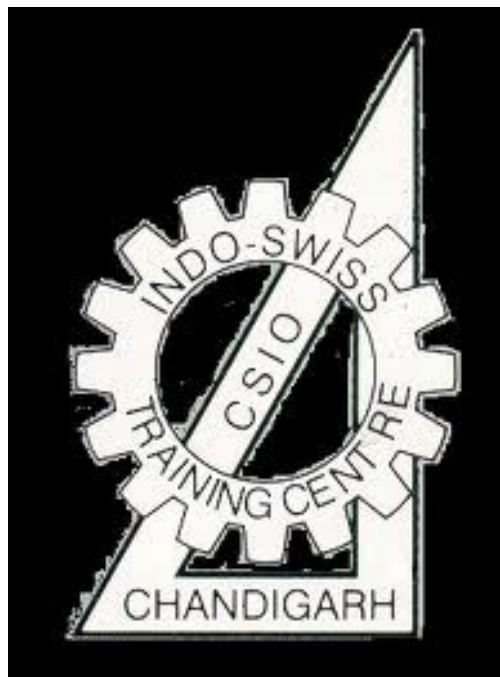
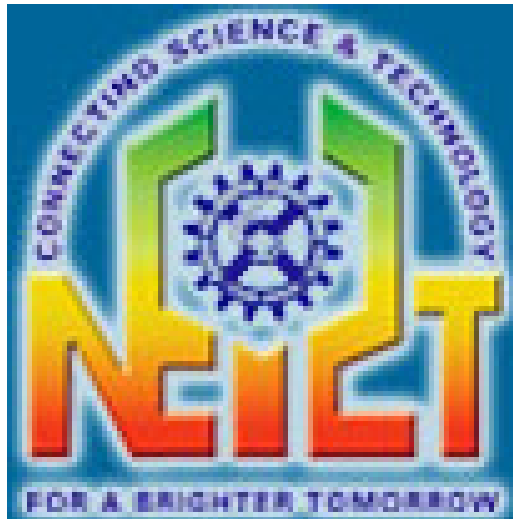
AMPRI



CEERI



CLRI Central Leather
Research Institute
Council of Scientific and Industrial Research





**Thanks and
wishing you
A very useful day a head**



Thematic Session –II : Water Treatment Technologies: Development and perspectives of Research/academic Institutions



Supplement by Other Research/Academic
Introduction by the Moderator (Sumanabhaswati)
Institution

Thematic Session –III : Water Treatment Technologies: National / International Association/Organisations and Industries



Supplemental by the following organisations
Presentation by Mrs. Nimish Shah, WQA
**(Dr. Isha Prasad Bhagwat, Water Aid and Arumugam
Kalimuthu, Plan India)**

Thematic Session –IV : Water Treatment Technologies: Role of community based organisations/NGOs

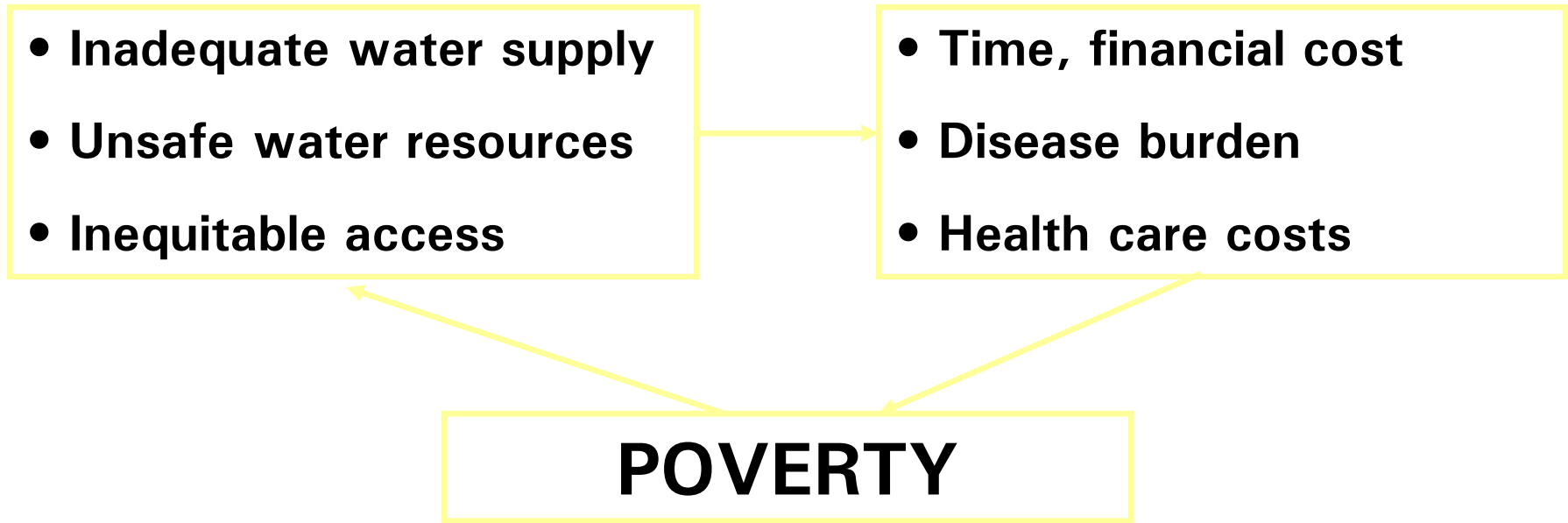


Introduction by Moderator
Panel Discussion & Recommendations
(Mr. Bayang, Dr. S.K. Wate, Mr. Ruygaton)
Supplier of Water Organisations and
Community Based Organisations

Objectives of the workshop

- Develop **interface** between water treatment **technology developers** and those **associated** with **community water supply**
- **Share experience** on water treatment technologies
- **Identify bottlenecks** in field implementation of technologies and discuss possible solutions
- **Prepare the way ahead** for enhancing field implementation of lab scale technologies
- Discuss potential research and development thrust areas of water treatment technologies
- Develop methodology and institutional mechanism to **validate claims of technology developers** on treatment efficiency and other aspects

Water = disease, livelihood and poverty ?



Water = a motor for development

- Improved water supply
- Safe water resources
- Universal access

- Time, financial savings
- Averted disease costs
- Healthy populations

Development

