

Dissemination Workshop (Proposed)
Managing Saltwater Intrusion Impact in Bangladesh
2-3 September, 2014 Conference Room 1st Floor, DPHE Bhaban, Kakrail, Dhaka

Day 1

Tuesday September 2

Chair: Mr. AKM Ibrahim, Superintending Engineer, Groundwater Circle, DPHE, Dhaka

Rapporteur: Md. Saifur Rahman, EE DPHE, AMD, Dhaka

09.30 – 09.45 Walk-in and registration

09.45 – 10.00 Welcome speech by Dr. Md. Akramul Islam, Director BRAC-WASH

10:00 – 10.10 Mr. Mike Slotema, Advisor Water Resource Management

10:10 – 10.25 Representative of IRC, Ingeborg Krukkert, Programme officer

10.25 – 11.20 Scope of the Project and Final Recommendations of the Workshop
On goal of the project, introduction salt water intrusion, sense-of-urgency, work packages, deliverables, conclusions, recommendations
Dr. Ir. Gualbert Oude Essink, project leader Deltares

11.20 – 11.30 Inauguration by Chief Engineer, DPHE

11.30 – 11.40 Remarks from the Chair

Tea Break

12.10 – 13.00 Salt water intrusion in the Coastal area of Bangladesh
On present status; number of affected people; Present Drinking Water Supply Scenario in the Study area (BBS data); Technology in use for water supply; Case study Bagerhat District; Distribution of salinity in different Upazilas BRAC WASH Program Salinity data
Professor Khairul Bashar, Jahangirnagar University and Marta Faneca, MSc, Deltares

Lunch

14.15 – 14.45 Need for Monitoring
On existing monitoring campaigns; what should be measured; best practices of monitoring; parameters and instruments that can be used for monitoring and the development of a Systematic Monitoring Network
Dr. Ir. Gualbert Oude Essink, Deltares and Dr. Yangxiao Zhou, UNESCO-IHE

14.45 – 15.45 Discussion on monitoring
Md Saifur Rahman

Tea Break

16.30 End of workshop day 1

Day 2
Wednesday September 3

Chair: Mr. AKM Ibrahim, Superintending Engineer, Groundwater Circle, DPHE, Dhaka

Rapporteur: Md Saifur Rahman, EE DPHE, AMD, Dhaka

09.50 – 10.00 Walk-in

10.00 – 10.30 State of the Art of Salt Water Intrusion Modelling
On 3D variable-density groundwater models; used data; SWIBANGLA model; preliminary results
Dr. Ir. Gualbert Oude Essink and Marta Faneca, MSc, Deltares

10.30 – 10.50 Groundwater modeling in Bangladesh
On existing groundwater modeling projects in Bangladesh, used tools and some results
Md. Zahirul Haque Khan, IWM

10.50 – 11.00 Discussion on Modelling
Md. Zahirul Haque Khan, IWM and Dr. Ir. Gualbert Oude Essink, Deltares

Tea Break

11.30 – 12.15 Strategies for mitigating salinity impacts on drinking water
On Guidelines for Bangladesh on the best management practices for drinking-water supply from a salinity perspective
Dr. Yangxiao Zhou, UNESCO-IHE

12.15 – 12.45 Water Safety Plans: Importance and improvement
Professor Khairul Bashar, Jahangirnagar University and Marta Faneca, MSc, Deltares

12.45 – 13.15 Working together to implement the WSPs
Professor Khairul Bashar, Jahangirnagar University and Marta Faneca, MSc, Deltares

Lunch

14.15 – 14.30 Applications of mobile phone in water quality monitoring: Experience of DPHE
Computer programmer DPHE

14.30 – 15.00 Short demonstration on the Smart Phone Water App on measuring EC
Marta Faneca, MSc, Deltares and Dr. Ir. Gualbert Oude Essink, Deltares

15.00 – 16.15 Discussion and Conclusion by the Chair

Tea Break

16.30 End of workshop