

SITUATION ANALYSIS

Water Supply and Sanitation Sector Research in Bangladesh



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Abbreviations and Acronyms

ADA	Accelerated District Approach
ADB	Asian Development Bank
ADP	Annual Development Program
AEC	Atomic Energy Commission
ARU	Arsenic Removal Unit
BARD	Bangladesh Academy of Rural Development
BAU	Bangladesh Agricultural University
BCSIR	Bangladesh Council for Scientific and Industrial Research
BRAC	Bangladesh Rural Advancement Committee
BUET	Bangladesh University of Engineering and Technology
DCC	Dhaka City Corporation
CTF	Caretaker's Family
CUP	Coalition of Urban Poverty
DANIDA	Danish International Development Agency
DCH	Dhaka Community Hospital
DFID	Department for International Development
DO	Dissolved Oxygen
DPHE	Department of Public Health Engineering
DTW	Deep Tubewell
DU	Dhaka University
DSK	Dustha Shasthaya Kendra
DWSSD	Drinking Water Supply and Sanitation Decade
ETDA	Employment and Technological Development Agency
ESA	External Support Agency
FFYP	Fourth Five Year Plan
GOB	Government of Bangladesh
GSS	Gono Shahajya Sangstha
HTMP	Handpump Training and Monitoring Program
ICDDR,B	International Centre for Diarrhoeal Disease Research, Bangladesh
IDA	International Development Agency
IPGMR	Institute of Post-Graduate Medicine and Research
IRU	Iron Removal Unit
ITN	International Training Network
JICA	Japan International Cooperation Agency

KAP	Knowledge Attitude and Practice
LGED	Local Government Engineering Department
LWT	Low Water Table
MAWTS	Mirpur Agricultural Workshop and Training School
MLGRD&C	Ministry of Local Govt. Rural Development & Cooperatives
NGO	Non-Government Organization
NIPSOM	National Institute of Physical and Social Medicine
NSW	Sanitation Week
NTU	Nephelometric Turbidity Unit
O&M	Operation and Maintenance
PMED	Primary and Mass Education Department
PP	Project Proposal
PPM	Parts per Million
PRA	Participatory Rapid Appraisal
PSF	Pond Sand Filter
R&D	Research and Development
RWSG-SA	Regional Water Supply and Sanitation Group-South Asia
SAFE	Sanitation and Family Education
SDC	Swiss Agency for Development and Cooperation
SOCMOB	Social Mobilization
SOES	School of Environmental Studies
SSF	Slow Sand Filter
STIDP	Secondary Town Infrastructure Development Project
STW	Shallow Tubewell
SWM	Solid Waste Management
UNDP	United Nations Development Programme
UNICEF	United Nations Children's Fund
USEPA	United States Environmental Protection Agency
VIP	Ventilated Improved Pit
VSC	Village Sanitation Centre
WASA	Water Supply and Sewerage Authority
WASP	Water Analysis Simulation Program
WATSAN	Water and Sanitation
WHO	World Health Organisation
WSP-SA	Water and Sanitation Program-South Asia
WSS	Water Supply and Sanitation
WB	World Bank

FOREWORD

One of the main objectives of ITN-Bangladesh is to undertake appropriate research in the fields of Water Supply and Waste Management. An assessment of the status of research works conducted in Water Supply and Sanitation (WSS) sector was considered important to find the research needs, avoid duplication in research works and delineate the priority research areas to address the problems of the this sector in Bangladesh. Accordingly the study on 'Situation Analysis on Water Supply & Sanitation Sector Research in Bangladesh' was commissioned by ITN-Bangladesh during 1998-99. This publication is the outcome of this initiative.

The report gives an overview of WSS sector in Bangladesh as background information, followed by documented research and study reports summarized under literature review. The situation of WSS research in Bangladesh with emphasis on technical, social and arsenic interventions has been analyzed. The policies, strategies, major issues, organization and development partners in Water Supply and Sanitation sector research have been identified. Finally, the research priorities and specific areas of technological research, social and extension research and research in operation and maintenance requiring immediate attention have been delineated in the report.

By and large, this document is a comprehensive database of research and development activities of the government, non-government organizations, development partners and other agencies working in the WSS sector. I hope this publication of ITN-Bangladesh will be useful to the scientists, researchers and sector professionals to understand the status of research in the sector and undertake new research initiatives to address the water supply and waste management problems in Bangladesh.

M. Feroze Ahmed

Centre Director