

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

ECONOMIC RELATIONS DIVISION, MINISTRY OF FINANCE
DEPARTMENT OF PUBLIC HEALTH ENGINEERING, MINISTRY OF LOCAL
GOVERNMENT, RURAL DEVELOPMENT & COOPERATIVES
THE GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH

THE STUDY

ON THE GROUND WATER DEVELOPMENT

OF DEEP AQUIFERS FOR SAFE DRINKING WATER

SUPPLY TO ARSENIC AFFECTED AREAS IN

WESTERN BANGLADESH

FINAL REPORT

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List of Abbreviations

AAN	Asia Arsenic Network
AAS	Atomic Absorption Spectrophotometer
ADP	Annual Development Program
ARD	Arsenic Removal Device
BADC	Bangladesh Agricultural Development Corporation
BAMWSP	Bangladesh Arsenic Mitigation Water Supply Project
BBS	Bangladesh Bureau of Statistics
BGS	British Geological Survey
BMD	Bangladesh Meteorological Department
BWDB	Bangladesh Water Development Board
DANIDA	Danish International Development Assistance
DCH	Dhaka Community Hospital
DFID	Department for International Development (UK)
DOEH	Department of Occupational & Environmental Health
DPHE	Department of Public Health Engineering
DTW	Depth To Groundwater Level from the ground surface
DWL	Dynamic Water Level
EC	Electric Conductivity
EIRR	Equity Internal Rate of Return
FIRR	Financial Internal Rate of Return
FK	Field Kit
FY	Fiscal Year
GHCN	Global Historical Climatology Network
GIS	Geographic Information System
GSB	Geological Survey of Bangladesh
GW	Groundwater
GWL	Groundwater Level

IRP	Iron Removal Plant
JICA	Japan International Cooperation Agency
LGED	Local Government Engineering Department
LLDC	Least-Less Developed Countries
MLD	Million Liters per Day
MLGRD&C	Ministry of Local Government, Rural Development & Cooperatives
masl	meter above sea level
MCM	Million Cubic Meter
MoF	Ministry of Finance
MoHFW	Ministry of Health & Family Welfare
mS/m	1 mS/m = 10 microS/cm
M/M	Minutes of Meeting
NGO	Non-governmental organizations
NIPSOM	National Institute of Preventive and Social Medicine
NPV	Net Present Value
OHT	Over Head Tank
OJT	On the Job Training
OM	Operation and Maintenance
ORP	Oxidation-Reduction Potential
PETP	Potential Evapotranspiration
PSF	Pond Sand Filter
RGAG	Research Group for Applied Geology
RWH	Rain Water Harvesting
PWSS	Pourashava Water Supply System
SOB	Survey of Bangladesh
SWL	Static Water Level
S/W	Scope of Work
TRT	Trainer's Training
UNDP	United Nations Development Program
UNICEF	United Nations Children's Fund
USGS	United States Geological Survey
WASA	Water and Sewerage Authority
WHO	World Health Organization
WTP	Willingness To Pay

ABBREVIATIONS

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