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## ABBREVIATIONS

AA	Aguas Argentinas
AAI	Airports Authority of India
ABACUS	Advanced Billing and Collection Utility System
ADB	Asian Development Bank
AE	Assistant Engineer
AEE	Assistant Executive Engineer
AM	Alandur Municipality
ArSP	Alandur Sewage Project
ASEM	Advisory Services in Environmental Management
AU	Anna University
AWS	Automatic Weather Station
BCP	Business Continuity Plan
BIS	Bureau of Indian Standards
BOD	Biochemical Oxygen Demand
BOO	Build Own Operate
BOOT	Build Own Operate Transfer
BOQ	Bill of Quantities
BOT	Build Operate Transfer
BSNL	Bharat Sanchar Nigam Limited
BTO	Build Transfer Operate
BWSSB	Bangalore Water Supply and Sewerage Board
CA	Constitutional Amendment
CAD	Computer-Aided Design
CBO	Community Based Organisation
CCTV	Closed Circuit Television
CD	Compact Disc
CE	Chief Engineer
CETP	Common Effluent Treatment Plant
CII	Confederation of Indian Industry
CMWSSB	Chennai Metropolitan Water Supply and Sewerage Board
COC	Corporation of Chennai
CPCB	Central Pollution Control Board
CPCL	Chennai Petroleum Corporation limited
CPHEEO	Central Public Health and Environmental Engineering Organization
CPL	Community Participation Law
CRZ	Coastal Regulation Zone
CSER	Corporate Social & Environmental Responsibility
CSO	Central Statistical Organisation
CSP	City Sanitation Plan
CSR	Corporate Social Responsibility

DANIDA	Danish International Development Agency
DEA	Double Entry Accounting
DFID	Department for International Development
DG	Diesel Generator
DGET	Directorate General of Employment & Training
DMP	Disaster Management Plan
DPC	District Planning Committee
DPR	Detailed Project Report
EAM	Enterprise Asset Management
EE	Executive Engineer
EIA	Environmental Impact Assessment
EPC	Engineering Procurement and Construction
ERP	Enterprise Resource Planning
ESR	Elevated Service Reservoir
FIDIC	International Federation of Consulting Engineers
FIRE	Financial Institutions Reform and Expansion
FY	Financial Year
GDP	Gross Domestic Product
GIS	Geographical Information System
GOI	Government of India
GOTN	Government of Tamil Nadu
GSM	Global System for Mobile Communications
HAM	Amateur Radio
HDA	Haldia Development Authority
HPEC	High Powered Expert Committee
HRD	Human Resources Development
HT	High Tension
HUDCO	Housing and Urban Development Corporation
IAM	Infrastructure Asset Management
IDCKL	Infrastructure Development Corporation of Karnataka Limited
IEC	Information, Education and Communication
IIT	Indian Institute of Technology
IL&FS	Infrastructure Leasing & Financial Services
IS	Indian Standard
ISDN	Integrated Services Digital Network
ISO	International Organization for Standardization
ISRO	Indian Space Research Organization
ITI	Industrial Training Institute
ITN	International Training Network
ITV	Industrial Television
IWA	International Water Association



JE	Junior Engineer
JICA	Japan International Cooperation Agency
JnNURM	Jawaharlal Nehru National Urban Renewal Mission
JSWA	Japan Sewage Works Association
KIADB	Karnataka Industrial Areas Development Board
KMDA	Kolkata Municipal Development Authority
KWA	Kerala Water Authority
LAN	Local Area Network
LBFL	Local Bodies Finance List
LCD	Liquid Crystal Display
LIC	Life Insurance Corporation
LoC	Letter of Credit
LT	Low Tension
M&E	Mechanical & Electrical
MBBR	Moving Bed Biofilm Reactor
MCGM	Municipal Corporation of Greater Mumbai
MCPL	Model Community Participation Law
MDG	Millennium Development Goals
MIS	Management Information System
MLD	Million Litres per Day
MLIT	Ministry of Land, Infrastructure, Transport and Tourism
MMRDA	Mumbai Metropolitan Region Development Authority
MMSD	Milwaukee Metropolitan Sewerage District
MoEF	Ministry of Environment and Forests
MoF	Ministry of Finance
MoHA	Ministry of Home Affairs
MoUD	Ministry of Urban Development
MPC	Metropolitan Planning Committee
MPLADS	Member of Parliament Local Area Development Scheme
MPN	Most Probable Number
MSW	Municipal Solid Waste
MWCI	Manila Water Company
MWSI	Manila Water Services
MWSS	Manila Metropolitan Waterworks and Sewerage Services
NABARD	National Bank for Agriculture and Rural Development
NCB-W2	World Bank's Contract for National Competitive Bidding
NCC	National Cadet Corps
NCL	National Chemical Laboratory
NDITA	Nabadiganta Industrial Township Authority
NEERI	National Environmental Engineering Research Institute
NGO	Non-Governmental Organization
NGRBA	National Ganga River Basin Authority
NIC	National Informatics Centre
NICNET	Nationwide Informatics Network

NITIE	National Institute for Training in Industrial Engineering
NMC	Nagpur Municipal Corporation
NRCP	National River Conservation Plan
NRSA	National Remote Sensing Agency
NSS	National Social Service
NSSO	National Sampling Survey Organisation
NTADCL	New Tiruppur Area Development Corporation Ltd.
NURM	National Urban Renewal Mission
NUS	National University of Singapore
NVI	National Virological Institute
O&M	Operation and Maintenance
OHP	Overhead Projector
OSN	Dirección Nacional de Obras Sanitarias de la Nación
PCB	Pollution Control Board
PCMC	Pimpri Chinchwad Municipal Corporation
PCOM	Per Capita O&M Costs
PHE	Public Health Engineering
PHED	Public Health Engineering Department
PI	Performance Indicator
PIL	Public Interest Litigations
PLC	Programmable Logic Controller
PMC	Pune Municipal Corporation
PPP	Public Private Partnership
PPPP	Public Private People Partnership
PSP	Private Sector Participation
PWD	Public Works Department
R O	Reverse Osmosis
R&D	Research & Development
RBI	Reserve Bank of India
RDBMS	Relational Database Management System
RIF	Rural Innovation Fund
SCADA	Supervisory Control and Data Acquisition
SDE	Spatial Database Engine
SDES	State Directorate of Economics & Statistics
SE	Superintending Engineer
SECAP	System Evaluation & Capacity Assurance Plan
SEMIS	Sewerage Mapping & Information System
SHG	Self-Help Group
SLB	Service Level Benchmark
SMC	Surat Municipal Corporation
SMS	Short Message Services
SOQ	Standards of Quality
SPCB	State Pollution Control Board
SPS	Sewage Pumping Station

SPV	Special Purpose Vehicle
STP	Sewage Treatment Plant
SWD	Side Water Depth
SWM	Solid Waste Management
SXF	Secure Exchange Format
TAIMS	Tokyo Advanced Information Management System
TDS	Total Dissolved Solids
TEA	Tiruppur Exporters Association
TNPCB	Tamilnadu Pollution Control Board
TNUDF	Tamil Nadu Urban Development Fund
TNUIFSL	Tamil Nadu Urban Infrastructure Financial Services Limited
TUFIDCO	Tamil Nadu Urban Finance & Infrastructure Development Corporation
TV	Television
TWAD	Tamil Nadu Water Supply and Drainage Board
TWICL	Tamil Nadu Water Infrastructure Company Limited
UFW	Unaccounted for Water
UGD	Underground Drainage
UIDSSMT	Urban Infrastructure Development Scheme for Small and Medium Towns
ULB	Urban Local Body
UNEP	United Nations Environment Programme
USAID	United States Agency for International Development
USEPA	United States Environmental Protection Agency
UWSS	Urban Water Supply and Sanitation Sector
VGf	Viability Gap Funding
VSNL	Videsh Sanchar Nigam Limited
WAN	Wide Area Network
WB	World Bank
WSP	Water and Sanitation Program
WSS	Water Supply and Sanitation
WTP	Water Treatment Plant