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Acronyms and Abbreviations

AEM	:	Analytic Element Method
AnAqSim	:	Analytic Aquifer simulator
ANN	:	Artificial Neural Network
ASCII	:	American Standard Code for Information Interchange
ASTER	:	Advanced Spaceborne Thermal Emission and Reflection Radiometer
BCM	:	Billion Cubic Meter
BEM	:	Boundary Element Method
BGL	:	Below Ground Level
BHU	:	Banaras Hindu University
CGWB	:	Central Ground Water Board
CWC	:	Central Water Commission
DEM	:	Digital Elevation Model
DGPS	:	Differential Global Positioning System
DSS	:	Decision Support System
FDM	:	Finite Difference Method
FEFLOW	:	Finite Element Flow
FEM	:	Finite Element Method
FEMWATER	:	Finite Element Model of Water Flow
FVM	:	Finite Volume Method
GA	:	Genetic Algorithm
GDEM	:	Global Digital Elevation Model
GIS	:	Geographic Information System
GLCF	:	Global Land Cover Facility
GMS	:	Groundwater Modeling System

GPS	:	Global Positioning System
IFDM	:	Integrated Finite Difference Method
IMD	:	Indian Meteorological Department
KVP	:	Kashi Vidya Peeth
L/MIN	:	Liter per Minute
LPS	:	Liter per Second
LULC	:	Land Use Land Cover
MCM	:	Million Cubic Meters
MO	:	Monsoon
MSL	:	Mean Sea Level
NASA	:	National Aeronautics and Space Administration
NRMSE	:	Normalized Root Mean Square Error
NRSC	:	National Remote Sensing Centre
PDE	:	Partial Differential Equation
POMK	:	Post Monsoon Kharif
POMR	:	Pre-monsoon Ravi
PRM	:	Pre Monsoon
RMSE	:	Root Mean Square Error
SD	:	Standard Deviation
SEE	:	Standard Error of Estimate
SMI	:	Soil Moisture Index
SOI	:	Survey of India
SRTM	:	Shuttle Radar Topography Mission
USGS	:	United States Geological Survey
WRIS	:	Water Resource Information System

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