

ABBREVIATIONS

AAQM	Ambient Air Quality Monitoring
AC sheets	Asbestos Cement sheets
Ac.ft	Acre feet
AD	Anno Domini
AFC	Agriculture Finance Corporation
ALBC	Almatti left bank canal
ALTM	Air Borne Laser Terrain Mapper
AP	Andhra Pradesh
APERL	Andhra Pradesh Engineering Research Laboratory
APGPCL	Andhra Pradesh Gas Power Corporation Limited
APSEB	Andhra Pradesh State Electricity Board
ARBC	Almatti right bank canal
As	Arsenic
ASI	Archaeological Survey of India
B.C. ratio	Benefit-Cost ratio
BC	Black cotton
BCD	Biochemical Oxygen Demand
BCM	Billion Cubic Meter
BDC	Budameru Diversion Channel
BG	Broad Gauge
BH	Bore Hole
BHPC	Bihar State Hydroelectricity Power Corporation
BIS	Bureau of Indian Standards
BISAG	Bhaskarcharya Institute of Space Applications and Geo-informatics
BM	Bench Mark
BOD	Bio Oxygen Demand
BPL	Below Poverty Line
c/c	Centre to centre
CA	Catchment Area
Ca	Calcium
CaCO ₃	Calcium Carbonate
CAD	Command Area Development
CAT	Catchment Area Treatment
CBIP	Central Board of Irrigation & Power
CBL	Canal bed level
CC	Cement Concrete
CCA	Culturable Command Area
CCPP	Combined Cycle Power Project
CD	Cross Drainage
Cd	Cadmium

CE	Chief Engineer
CEA	Central Electricity Authority
CEC	Chief Engineer Co-ordination
Cfm	Cubic feet metre
cft	cubic feet
CGWB	Central Ground Water Board
CH	High Clay
CI	Chloride
cm	Centimetre
CM	Cross Masonry
CMDD	Concrete Masonry Design Directorate
Cmm	Cubic metre per minute
CMO	Construction Management Organisation
Co	Cobalt
C°	Degree Centigrade
COD	Chemical Oxygen Demand
Cr	Chromium
CS	Cross Section
CSMRS	Central Soil & Materials Research Station
Cu	Copper
Cum	Cubicmetre
cumec	Cubic metre per second
cusec	cubic feet per second
CW&PRS	Central Water & Power Research Station
CWC	Central Water Commission
CWDT	Cauvery Water Disputes Tribunal
D & I	Domestic & Industrial
d/s	Down stream
DA	Dearness Allowance
DBE	Design Basis Earthquake
dep	dependability
DF	Degraded forest
DH	Drill Hole
Dist.	District
Div	Diversion
DNH	Dadra & Nagar Haveli
DO	Dissolved Oxygen
DPOL	Diesel, Petrol, Oil and Lubricants
DPR	Detailed project report
DSL	Dead Storage Level
DSRO	Direct Surface Run-off
DT	Double Tertiary
E	East
E&M	Electrical & Mechanical
e.g.	Exempli gratia

EC	Electrical Conductivity
EDT	Economic Development Trust
EEC	European Economic Community
EIA	Environmental Impact Assessment
EKMC	Eastern Kosi Main Canal
EL	Elevation level
EMP	Environment Management Plan
Enroute utili.	Enroute utilization
EPG	Emergency Planning Group
ERP	Economic Rehabilitation Programme
etc.	etcetera
Eto	Evapo-transpiration
EWS	Economically Weaker Section
Ext.	Extension
F	Floride
FAO	Food and Agricultural Organisation
FB	Fore Bearing
FCC	False Colour Composite
Fe	Iron
FPL	Full Pond Level
FR	Feasibility Report
FRL	Full Reservoir Level
FSD	Full Supply Depth
FSL	Full Supply Level
ft	Feet
ft/sec	Feet Per Second
g	Acceleration due to gravity
G&D	Gauge & discharge
GCA	Gross Command Area
GD&S	Gauge Discharge and Silt
GI	Galvanized Iron
GIR	Gross Irrigation Requirement
GL	Ground Level
GoG	Government of Gujarat
GOM	Government of Maharashtra
Govt.	Government
Gpa	Giga Pascal
GRC	Grievance Redressal Committee
GSI	Geological Survey of India
GTS	Great Trigonometric Survey
GW	Ground Water
GWDT	Godavari Water Disputes Tribunal
H	Horizontal
Ha	Hectare
ha m	hectare metre

HCD	Hydel Civil Design
HDPE	High Density Poly Ethylene
HEP	Hydro Electricity Project
HES	Hydro Electric Scheme
HFL	High flood level
HMG	His Magesty's Government
HOR	Horizontal
HP	Horse Power
HPCL	Hindustan Petro Chemicals Limited
HQS	Headquarters
hr	Hour
HT	High Transmission
HYV	High yield Varieties
I&P	Irrigation & Power
IC	Installed Capacity
IG	Income Generation
IIT	Indian Institute of Technology
IMD	India Meteorological Department
IMF	International Monetary Fund
IMO	Irrigation Management Organisation
I-P Link	Inchampalli-Pulichintala link
IRBC	Inchampalli Right Bank Canal
IRR	Internal Rate of Return
Irr.	Irrigation
IRS	Indian Remote Sensing Satellite
IS	Indian Standards
IS Code	Indian Standard Code
ISA	Indian Standard Angel
ISHB	Indian Standard Heavy weight Beam
ISI	Indian Standard Institute
ISMB	Indian Standard Medium weight Beam
ISMC	Indian Standard Medium weight Channel
K	Potassium
K-B Link	Ken-Betwa Link
KC Canal	Kurnool-Cuddapah Canal
Kg	Kiliogram
km	Kilometre
K-M Link	Kosi -Mechi Link
Km/hr	Kilometer per hour
Km ²	Square kilometres
Kmph	Kilometres per hour
KMPP	Ken Multi-purpose Project
KSEB	Kerala State Electricity Board
KTPS	Kothagudam Thermal Power Station
KV	Kilo Volt

KVA	Kilo Volt Ampere
KW	Kilo Watt
KWDT	Krishna Water Disputes Tribunal
KWh	Kilowatt hour
L.S/L. Section	Longitudinal Section
LARR	Land Acquisition, Rehabilitation and Resettlement
LBC	Left Bank Canal
LCPH	Left Canal Power House
LIG	Low Income Group
LMC	Left Main Canal
lpm/m	Litres per minute per metre
LS	Longitudinal section
L-Section	Longitudinal Section
LSHS	Low Sulphur Heavy Stock
LT	Low Tension
Lts	Litres
LWL	Lowest Water Level
m	Metre
M.ha	Million hectares
m/d	Metre per day
m/s	Metre per second
m/sec	Metre per second
M ³	Cubic metres
m ³ /d	Cubic metre per day
m ³ /sec	Cubic metre per second
MAPP	Madras Atomic Power Plant
mbgl	metres below ground level
MCE	Maximum Considered Earthquake
MDDL	Minimum Draw Down Level
MG	Meter Guage
mg	Magnesium
Mg/L	Milligram per liter
MGCM	Municipal Corporation of Greater Mumbai
Mha	Million hectare
MIG	Middle Income Group
MIV	Main Inlet Valve
Mkh/Mu	Million Kilowatt hour/Million Units
MKw	Million Kilowatt
MKwh	Million kilowatt hour
MkWh/MU	Million Kilowatt hour/Million Units
MLD	Million Litre per day
Mm	Milimetres
Mm ³	Million cubic metres
MMI	Modified Mercalli Intensity
MMRDA	Mumbai Metropolitan Region Development Authority

MoEF	Ministry of Environment & Forests
MoTA	Ministry of Tribal Affairs
MoU	Memorandum of Understanding
MOWR	Ministry of Water Resources
MP	Madhya Pradesh
Mpa	Mega Pascal
MPEB	Madhya Pradesh Electricity Board
MS	Mild Steel
MSEB	Maharashtra State Electricity Board
MSL	Mean Sea Level
MU	Million Units
MW	Mega Watt
MWL	Maximum water level
N	North
N.H.	National Highway
NA	Not Available
Na	Sodium
NCAER	National Council of Applied Economic Research
NE	North East
NGO	Non-Government Organization
NGRI	National Geophysical Research Institute
NH	National Highway
NH ₃	Ammonia
NLC	Neyveli Lignite Corporation
No.	Numbers
NO ₃	Nitrate
NOF	Non Over-flow
NO _x	Oxides of Nitrogen
NPP	National Perspective Plan
NRBC	Narayanpur Right Bank Canal
NRSA	National Remote Sensing Agency
N-S Link	Nagarjunasagar-Somasila Link
NSL	Natural Surface Level
NSLBC	Nagarjunasagar Left Bank Canal
NSRBC	Nagarjunasagar Right Bank Canal
NTPC	National Thermal Power Corporation
NTS	Nellore Thermal Station
NW	North West
NWDA	National Water Development Agency
O & M	Operation and Maintenance
OAF	Other Affected Families
C°	Degree Celcius
OF	Over-flow
OFD	On Farm Development
OMC	Optimum Moisture Content

OSEB	Orissa State Electricity Board
P	Phosphorus
PABR	Pennar Ahobilam Reservoir
PAF	Project Affected Families
PAO	Pay and Accounts Officer
PAPERP	Project Affected Persons Economic Rehabilitation Plan
PAPs	Project Affected Persons
PBM	Permanent Bench Mark
PCC	Plain Cement Concrete
PF	Protected Forest
PFR	Pre-feasibility Report
PGA	Peak Ground Acceleration
PH	Power House
PHED	Public Health Engineering Department
PLF	Power Load Factor
PMF	Probable Maximum Flood
PMP	Probable Maximum Precipitation
POL	Petrol Oil Lubricants
PPR	Preliminary Cement Concrete
Ppt	Precipitation
PRBC	Pulichintala Right Bank Canal
PRO	Project
P-T-N link	Par-Tapi-Narmada link
PUW	Pick up Weir
PWBS	Preliminary Water Balance Study
PWD	Public Works Department
QRY.No.	Quarry No.
Qtz	Quartzite
R&R	Rehabilitation and Resettlement
R.	River
RBC	Right bank canal
RC	Reinforced concrete
RCC	Reinforced Cement Concrete
RCPH	Right Canal Power House
RD	Reduced Distance
REFS	Reference
RF	Reserved Forest
RH	Relative Humidity
RL	Reduced Level
RMC	Right Main Canal
RMR	Rock Mass Rating
RQD	Rock Quality Designation
RRO	Resettlement & Rehabilitation Officer
RRSC	Regional Remote Sensing Center
RRSSC	Regional Remote Sensing Service Centre

Rs.	Rupees
RSEB	Rajasthan State Electricity Board
RTPP	Rayalaseema Thermal Power Project
RTS	Ramagundam Thermal Station
S	South
SAR	Sodium Absorption Ratio
SC	Scheduled Caste
SE	South East
SE	Superintending Engineer
Se	Selenium
SES	Socio Economic Studies
SFR	Sheep Foot Roller
SFRS	Steel Fiber Reinforced Shotcrete
SLBC	Srisailam Left Branch Canal
SO ₂	Sulphur dioxide
SO ₄	Sulphate
SOI	Survey of India
SOR	Schedule of Rates
S-P link	Srisailam-Pennar Link
SPM	Suspended Particulate Matter
SPS	Standard Project Storm
sq.km	Square kilometre
SRMC	Srisailam Right Main Canal
SRSP	Sriramsagar Project
SSR	Standard Schedule of Rates
ST	Schedule Tribe
SW	South West
Sy.aqueduct	Siphon aqueduct
T	Tonne
t	Tones
T&P	Tools and Plants
T.L	Transmission losses
TA	Travelling Allowance
TAC	Technical Advisory Committee
TBHES	Tungabhadra Hydro Electric Scheme
TBL	Top of Bank Level
TBLBC	Tungabhadra Left Bank canal
TBM	Temporary Bench Mark
TBRBHLIC	Tungabhadra Right Bank high level canal
TBRBLLC	Tungabhadra Right Bank low level canal
TD	Temporal Distribution
TDS	Total Dissolved Solids
THDC	Tehri Hydro Development Corporation
TMC	Thousand Million Cubic feet
TMT	Thousand Millions Tonnes

TN	Tamil Nadu
TNEB	Tamil Nadu Electricity Board
TPS	Thermal Power Station
TS	Technical Study
TSS	Total Suspended Solids
TWL	Tail Water Level
U/S	Upstream
UB	Upper Betwa
UH	Unit Hydrograph
UN	United Nations
UNO	United Nations Organisation
UP	Uttar Pradesh
UPSEB	Uttar Pradesh State Electricity Board
USAID	United States Agency for International Development
USR	Unified Schedule of rates
UT	Union Territory
VER	Vertical
VES	Vertical Electrical Soundings
VGTS	Vijjeswaram Gas Thermal Station
VI	Vertical Interval
Viz	namely
W	West
WAPCOS	Water And Power Consultancy Services
WB	Water Balance
WBM	Water Bound Mecadam
WBM Road	Water Bond Macadam Road
WKMC	Western Kosi Main Canal
WR	Water Resources
WRD	Water Resources Department
WRI	Water Resources & Investigation
Zn	Zinc