

## Abbreviations & Symbols

AD	-	Anno Domini
AMRLIS	-	Alimineti Madhava Reddy Lift Irrigation Scheme
AP	-	Andhra Pradesh
APERL	-	Andhra Pradesh Engineering Research Laboratories
APGENCO	-	Andhra Pradesh Power Generation Corporation
APMC	-	Agricultural Produce Marketing Committee
ASI	-	Archaeological Survey of India
BCM	-	Billion Cubic Metre
BCR	-	Benefit Cost Ratio
BIS	-	Bureau of Indian Standards
BM	-	Bench Mark
BOD	-	Biochemical Oxygen Demand
<sup>o</sup> C	-	Degree Centigrade
Ca	-	Calcium
CA	-	Catchment Area
CB	-	Commercial Bank
CBL	-	Canal Bed Level
CC	-	Cement Concrete
c/c	-	centre to centre
CCA	-	Culturable Command Area
CEA	-	Central Electricity Authority
CD/CM	-	Cross Drainage/Cross Masonry
CEIA	-	Comprehensive Environmental Impact Assessment
cft	-	cubic feet
CGWB	-	Central Ground Water Board
CGS	-	Central Generating Stations
Cl	-	Chloride
cm	-	Centimetre
CPCB	-	Central Pollution Control Board
COD	-	Chemical Oxygen Demand
CO <sub>2</sub>	-	Carbon dioxide
CO <sub>3</sub>	-	Carbonate
CR	-	Cross Regulator

CS	-	Cross Section
CSMRS	-	Central Soil and Materials Research Station
Cu	-	Copper
Cumec	-	Cubic metre per second
CWC	-	Central Water Commission
CWDT	-	Cauvery Water Disputes Tribunal
D	-	Diameter
DBFOO	-	Design, Build, Finance, Own and Operate
DBM	-	Drill and Blast Method
DCCB	-	District Central Co-operative Banks
DGPS	-	Differential Global Positioning System
DLRB	-	Double Lane Road Bridge
DMC	-	Double Mass Curve
DO	-	Dissolved Oxygen
DPR	-	Detailed Project Report
D/S (or) d/s	-	Downstream
DSL	-	Dead Storage Level
DT	-	Double Tertiary
E	-	East/Existing
EAC	-	Expert Appraisal Committee
EIA	-	Environmental Impact Assessment
E&M	-	Electrical & Mechanical
EMP	-	Environmental Management Plan/ Environmental Monitoring Programme
ET <sub>O</sub>	-	Evapotranspiration
ETPS	-	Ennore Thermal Power Station
E-W	-	East-West
F	-	Fluoride
FAO	-	Food and Agriculture Organisation
Fe	-	Iron
FPL	-	Full Pond Level
FRL	-	Full Reservoir Level
FSD	-	Full Supply Depth
FSL	-	Full Supply Level
GA	-	Geographical Area
GCA	-	Gross Command Area
G&D	-	Gauge & Discharge
GERMI	-	Gujarat Energy, Research and Management Institute

GIR	-	Gross Irrigation Requirement
GIS	-	Geographic Information System
GoI	-	Government of India
GPS	-	Global Positioning System
GSI	-	Geological Survey of India
GTS	-	Great Trigonometrical Survey
GW	-	Ground Water
GWDT	-	Godavari Water Disputes Tribunal
GWR	-	Ground Water Resources
H	-	Horizontal
ha	-	Hectare
ham	-	Hectare metre
HCO <sub>3</sub>	-	Bicarbonate
HEP	-	Hydro Electric Project
HFL	-	Highest Flood Level
HP	-	Horse Power
HR	-	Head Regulator
H:V	-	Horizontal: Vertical
ILR	-	Inter Linking of Rivers
IMD	-	India Meteorological Department
IPP	-	Independent Power producers
IRBC	-	Inchampalli Right Bank Canal
IRR	-	Internal Rate of Return
IRS	-	Indian Remote Sensing Satellite
IS	-	Indian Standard
JNTU	-	Jawaharlal Nehru Technological University
K	-	Potassium
KCC	-	Kisan Credit Cards
KGTPS		Kuttalam Gas Turbine Power Station
km	-	Kilometre
km/hr(or)KMPH	-	Kilometre per hour
km <sup>2</sup> (or)Sq km	-	Square Kilometre
KTPP	-	Kakatiya Thermal Power Plant
KTPS	-	Kothagudem Thermal Power Station
kW	-	Kilowatt
KWDT	-	Krishna Water Disputes Tribunal
kWh	-	Kilowatt hour
LBC	-	Left Bank Canal
LDB	-	Land Development Bank

LIS	-	Lift Irrigation Scheme
lps	-	Litres per second
L-section	-	Longitudinal section
LS	-	Lump Sum
m	-	metre
m <sup>3</sup>	-	Cubic metre
Max.	-	Maximum
MCM(or) Mm <sup>3</sup>	-	Million Cubic Metre
MDDL	-	Minimum Draw Down Level
MDR	-	Major District Roads
Mg	-	Magnesium
mg/l	-	milligram/litre
Min	-	Minimum
MkWh/MU	-	Million Kilowatt hour/Million Units
mm	-	millimetre
Mn	-	Manganese
MNRE	-	Ministry of New and Renewable Energy
MoA	-	Memorandum of Association
MoEF&CC	-	Ministry of Environment, Forests and Climate Change
MoRD	-	Ministry of Rural Development
MoTA	-	Ministry of Tribal Affairs
MoU	-	Memorandum of Understanding
MoWR	-	Ministry of Water Resources
MoWR, RD&GR	-	Ministry of Water Resources, River Development and Ganga Rejuvenation
MP	-	Madhya Pradesh
m/sec	-	metre per second
MS	-	Maharashtra
M.S	-	Mild Steel
MSP	-	Minimum Support Price
MT	-	Metric Tonne
MTPS	-	Mettur Thermal Power Station
MU	-	Million Units
MW	-	Mega Watt
MWL	-	Maximum Water Level
N	-	North
Na	-	Sodium

NAIS	-	National Agricultural Insurance Scheme
NA	-	Not Available/Not Applicable
NCAER	-	National Council of Applied Economic Research
NCE	-	Non-Conventional Energy
NCTPS	-	North Chennai Thermal Power Station
NE	-	North East
NGRI	-	National Geophysical Research Institute
NH	-	National Highway
NH <sub>3</sub>	-	Ammonia
NHM	-	National Horticulture Mission
NIR	-	Net Irrigation Requirement
NLC	-	Neyveli Lignite Corporation
NMPB	-	National Medicinal Plants Board
NMSA	-	National Mission on Sustainable Agriculture
N <sub>2</sub> O	-	Nitrous Oxide
NO <sub>2</sub>	-	Nitrite
NO <sub>3</sub>	-	Nitrate
NOF	-	Non OverFlow
NPP	-	National Perspective Plan.
NRRP	-	National Rehabilitation and Resettlement Policy
NRSA	-	National Remote Sensing Agency
NRSC	-	National Remote Sensing Centre
N-S	-	North-South
NSHES	-	Nagarjunasagar Hydro Electric Station
NSL	-	Natural Surface Level
NSLBC	-	Nagarjunasagar Left Bank Canal
NSRBC	-	Nagarjunasagar Right Bank Canal
NTPC	-	National Thermal Power Corporation
NW	-	North West
NWDA	-	National Water Development Agency
OBC	-	Other Backward Caste
ODR	-	Other District Road
OF	-	Over Flow
OFD	-	On Farm Development
O&M	-	Operation & Maintenance
P	-	Phosphorus
PACS	-	Primary Agricultural Credit Co-operative Society

PAF	-	Project Affected Families
PAP	-	Project Affected People
PBM	-	Permanent Bench Mark
PCC	-	Plain Cement Concrete
PCHES	-	Pulichintala Hydro Electric Station
PDN	-	Pipe Distribution Network
PET	-	Potential Evapo-Transpiration
PFR	-	Pre-Feasibility Report
PH	-	Power/Pump House
PHC	-	Primary Health Centre
PJHEP	-	Priyadarshini Jurala Hydro Electric Project
PKVY	-	Paramparagat Krishi Vikas Yojana
PIM	-	Participatory Irrigation Management
PLF	-	Plant Load Factor
PMF	-	Probable Maximum Flood
PMP	-	Probable Maximum Precipitation
PRO	-	Public Relation Officer
PV	-	Photo Voltaic
PWD	-	Public Works Department
RBC	-	Right Bank Canal
RCC	-	Reinforced Cement Concrete
RD	-	Reduced Distance
RG	-	Rain Gauge
RH	-	Relative Humidity
RL	-	Reduced Level
R/main	-	Raising main
R&M	-	Running & Maintenance
R-R	-	Rainfall-Runoff
R&R	-	Resettlement & Rehabilitation
RRB	-	Regional Rural Bank
RSC	-	Residual Sodium Carbonate
RTPP	-	Rayalaseema Thermal Power Plant
RTS	-	Ramagundam Thermal Station
S	-	South
SAR	-	Sodium Adsorption Ratio
SBI	-	State Bank of India
SC	-	Scheduled Caste
SCB	-	Scheduled Commercial Banks
SD	-	Standard Deviation

se	-	Standard Error
SE	-	South East
SFRS	-	Steel Fibre Reinforced Shotcrete
SH	-	State Highway
SHM	-	Soil Health Management
SiO <sub>2</sub>	-	Silica
SLBC	-	Srisailam Left Bank Canal
SLRB	-	Single Lane Road Bridge
SoI/SOI	-	Survey of India
SOR	-	Schedule of Rates
SP	-	Super Passage
SPP	-	Solar Power Projects
SRSP	-	Sri Ram Sagar Project
SSR	-	Standard Schedule of Rates
ST	-	Single Tertiary/ Scheduled Tribe
t (or) T	-	Tonne
TAC	-	Technical Advisory Committee
TANGEDCO	-	Tamil Nadu Generation and Distribution Company Ltd.
TBL	-	Top Bund Level
TBM	-	Temporary Bench Mark
TDS	-	Total Dissolved Salts/Solids
T(K)GTPS	-	Thiruma (Kottai) Gas Turbine Power Station
TMC	-	Thousand Million Cubic feet
TNEB	-	Tamil Nadu Electricity Board
ToR (or) TOR	-	Terms of Reference
T&P	-	Tools & Plants
TPP	-	Thermal Power Plant
TPS	-	Thermal Power Station
TS	-	Technical Study/Thermal Station
TSDISCOMS		Telangana State Power Distribution Companies
TSERC	-	Telangana State Electricity Regulatory Commission
TSGENCO	-	Telangana State Power Generation Corporation Ltd.
TSS	-	Total Suspended Salts
TSTRANSCO	-	Transmission Corporation of Telangana Limited
U/S (or) u/s	-	Upstream
UT	-	Union Territory/Under Tunnel

V	-	Vertical
VGTPS		Valuthur Gas Turbine Power Station
VTPS	-	Vijayawada Thermal Power Station
W	-	West
WRD	-	Water Resources Department
WUA	-	Water Users' Association