

## ABBREVIATIONS



\$	U.S. Dollars
‘4S’ functions	Sensing, Scanning, Signalling, and Strategizing
AWR	Annual Water Resources
BCR	Benefit-Cost-Ratio
BOC	Board of Consultants
CAT	Catchment Area Treatment
CBIP	Central Board of Irrigation and Power
CCA	Cultural Command Area
CEO	Chief Executive Officer
CGWB	Central Ground Water Board
CHPH	Canal Head Power House
Cm	Centimetres
CSE	Center for Science and Environment
CSO	Central Statistical Organization
Cumecs	Cubic-metres per second
Cusecs	Cubic-feet per second
CWC	Central Water Commission
CWINC	Central Waterways Irrigation and Navigation Commission
CWPC	Central Water and Power Commission
DPR	Detailed Project Report
DSP	Dam Safety Panel
EL	Elevation above mean sea level
FIVAS	The Association for International Water and Forest Studies
FRL	Full Reservoir Level

FSL	Full Supply Level
GDP	Gross Domestic Product
GID	Gujarat Irrigation Department
GOI	Government of India
GRA	Grievance Redressal Authorities
GWH	Giga Watt-hour
IBPT	Irrigation Bye Pass Tunnels
ICOLD	International Commission on Large Dams
ICRIER	Indian Council for Research in International Economic Relations
IMF	International Monetary Fund
IRN	International Rivers Network
IRR	Internal Rate of Return
IS	Indian Standards
ISO	International Standards Organization
ISP	Indira Sagar Project (On River Narmada, in Madhya Pradesh)
ISWD	Inter-State Water Dispute
ISWDA	Inter State Water Dispute Act
IWRS	Indian Water Resources Society
K.A.	<i>Kautilya's Arthashastra</i>
KBC	Kachchh Branch Canal
km <sup>3</sup>	Cubic Kilometres
kms	Kilometres
KV	Kilo Volt
lpcd	Liters-per-capita-per-day
m	Metres

m <sup>3</sup>	Cubic Metres
MAF	Million Acre Feet
MCM	Million Cubic Metres
MDDL	Minimum Draw Down Level
MIS	Management Information System
MIT	Micro Irrigation Technology
MLD	Million Litres per day
MOWR	Ministry of Water Resources, Government of India
MW	Mega Watt
MWL	Maximum Water Level
NBA	Narmada Bachao Andolan
NCA	Narmada Control Authority
NCIWRD	National Commission for Integrated Water Resource Development
NGO	Non-Governmental Organization
NPG	Narmada Planning Group
NPV	Net Present Value
NVDA	Narmada Valley Development Authority
NWDA	National Water Development Agency
NWDT	Narmada Water Disputes Tribunal
NWR&WSD	Narmada Water Resource and Water Supply Department
O&M	Operation and Maintenance
OECF	Overseas Economic Co-operation Fund
PAF	Project Affected People
PIL	Public Interest Litigation
PNA	Primary Non-social Adversely affected

PNB	Primary Non-social Beneficiary
PSA	Primary Social Adversely affected
PSB	Primary Social Beneficiary
R&R	Resettlement and Rehabilitation
RBPH	River Bed Power House
RCNCA	Review Committee of NCA
Rs.	Indian Rupees
SIG	Special Interest Group
SNA	Secondary Non-social Adversely affected
SNB	Secondary Non- social Beneficiary
Sq. kms.	Square Kilometres
SSA	Secondary Social Adversely affected
SSB	Secondary Social Beneficiary
SSCAC	Sardar Sarovar Construction Advisory Committee
SSNNL	Sardar Sarovar Narmada Nigam Ltd.
SSP	Sardar Sarovar Project (On River Narmada, in Gujarat)
SSPA	Sardar Sarovar Punarvasahat Agency
TERI	Tata Energy Research Institute
TG	Turbine Generator
UN	United Nations
UNDP	United Nations Development Program
VSA	Village Service Area
WALMI	Water and Land Management Institute
WPI	Wholesale Price Index
WWF	World Wildlife Fund