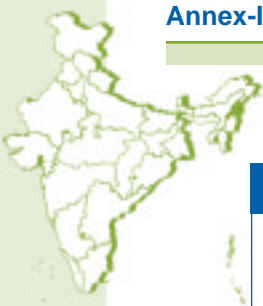


## Annex-II

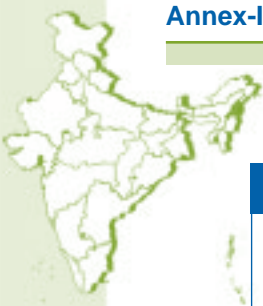
## Abbreviations

Acronyms	Expansion
AAR	Area Accumulation Ratio
AAR	Area Accumulation Ratio
ABER	Annual Blood Examination Rate
ADB	Asian Development Bank
ALGAS	Asia Least-cost Greenhouse Gas Abatement Strategy
An.	Anopheles
AOGCM	Coupled Atmosphere-Ocean General Circulation Models
API	Annual Parasite Index
ASSOCHAM	Associated Chambers of Commerce and Industry
BAPMON	Background Air Pollution Monitoring
C	Carbon
CADA	Command Area Development Authority
CAGR	Compounded Annual Growth Rate
CD	Cumulative Deaths
CDM	Clean Development Mechanism
CDPLP	Cumulative Deaths Per Lakh Population
CENPEEP	Centre for Power Efficiency and Environmental Protection
CERES	Crop Environment Resource Synthesis
CGMS	Crop Growth Monitoring Systems
CH <sub>4</sub>	Methane
CII	Confederation of Indian Industries
CIMMYT	Centre for Maize and Wheat Research
CMA	Cement Manufacturers' Association
CMIE	Centre for Monitoring Indian Economy Pvt Ltd
CMRI	Central Mining Research institute
CNG	Compressed Natural Gas
CO <sub>2</sub>	Carbon dioxide
COP	Conference of Parties to UNFCCC
CPCB	Central Pollution Control Board
CRRI	Central Road Research Institute
CRZ	Coastal Regulation Zone
CSE	Centre for Science and Environment, New Delhi
CSIR	Council for Scientific and Industrial Research
CSIRO-Mk2	Commonwealth Scientific and Industrial Research Organisation Model
CTL	Control
DALYs	Disability-Adjusted Life Years
DBH	Diameter at Breast Height
DC	Data Centre
DDT	Dichloro-diphenyl-trichloroethane
DGVMs	Dynamic Global Vegetation Models
DJF	December, January, February
DKRZ	Deutsches Klima Rechen Zentrum
DM	Dry Matter
DMMF	Dry Mineral Matter on Free Basis
DOD	Department of Ocean Development
DSSAT	Decision Support System for Agro-technology Transfer
DST	Department of Science and Technology
ECHAM	ECMWF forecast models, modified and extended in Hamburg



Acronyms	Details
EMC	Energy Management Centre
EMCP	Enhanced Malaria Control Programme
ENSO	<i>El-Nino</i> Southern Oscillation
ESI	Economic Survey of India
Esif	Emission Seasonal Integrated Flux Values
FACE	Free Air Carbon dioxide Enrichment
FICCI	Federation of Indian Chamber of Commerce and Industry
FOESS	Frequency of Severe Storms
FSI	Forest Survey of India
GAW	Global Atmospheric Watch
GCM	General Circulation Model
GDP	Gross Domestic Product
GEF	Global Environment Facility
GHG	Greenhouse Gas
GIS	Geographic Information System
GOI	Government of India
GWP	Global Warming Potential
HadCM	Hadley Centre Model
HadRM	Hadley Centre Regional Model
HC	Hydrocarbons
HCV	Heavy Commercial Vehicles
HI	Housing Index
HTL	High-Tide Line
IA	Integrated Assessment
IAM	Integrated Assessment Models
IARI	Indian Agricultural Research Institute
IE	Inventory Estimation
IGCC	Integrated Gas Combined Cycle
IGIDR	Indira Gandhi International Development Research, Mumbai
IIMA	Indian Institute of Management, Ahmedabad
IIP	Indian Institute of Petroleum
IISc	Indian Institute of Science, Bangalore
IIT	Indian Institute of Technology
IITM	Indian Institute of Tropical Meteorology
IMD	India Meteorological Department
INDOEX	Indian Ocean Experiment
INFOCROP	Informatics on Crops
IPCC	Inter-governmental Panel on Climate Change
IREDA	Indian Renewable Energy Development Agency
IWRM	Integrated Water Resources Management
JFM	Joint Forest Management
JJA	June, July, August season
JJAS	June, July, August, September
KRCL	Konkan Railway Corporation Limited
LCV	Light Commercial Vehicles
LNG	Liquefied Natural Gas
LULUCF	Land Use, Land-use Change and Forestry
MAC	Methane Asia Campaign
MAM	March, April, May
MNES	Ministry of Non-conventional Energy sources
MoCM	Ministry of Coal and Mines
MoEA	Ministry of External Affairs
MoEF	Ministry of Environment and Forests
MoF	Ministry of Finance
MoHFW	Ministry of Health and Family Welfare

Acronyms	Details
MoR	Ministry of Railways
MoRTH	Ministry of Road Transport and Highways
MP	Montreal Protocol
MSL	Mean Sea Level
MSW	Municipal Solid Waste
N	Nitrogen
N <sub>2</sub> O	Nitrous Oxide
NAMP	National Anti-Malaria Programme
NATCOM	National Communication
NBP	Net Biome Production
NCA	National Commission on Agriculture
NCAR	National Centre for Atmospheric Research
NGO	Non-Governmental Organisation
NHT	Northern Hemispheric Temperature
NMCP	National Malaria Control Programme
NMEP	National Malaria Eradication Programme
NO <sub>x</sub>	Nitrogen Oxides
NPD	National Project Director
NPL	National Physical Laboratory
NPP	Net Primary Productivity
NSC	National Steering Committee
NTFP	Non-Timber Forest Product
NTPC	National Thermal Power Corporation
OECD	Organisation for Economic Cooperation and Development
OTC	Open Top Chambers
P.	Plasmodium
PC	Planning Commission of India
PCRA	Petroleum Conservation Research Centre
PDSI	Palmer Drought Severity Index
P <sub>1</sub> CP	<i>Plasmodium falciparum</i> Containment Programme
PFT	Plant Functional Type
PIM	Participatory Irrigation Management
PMC	Project Management Cell
PNUTGRO	Peanut Crop Growth Simulation Model
PSUs	Public Sector Undertakings
PV	Photovoltaic
R&D	Research and Development
R&M	Renovation and Modernisation
RCM	Regional Circulation Model
SAIL	Steel Authority of India Limited
SEB	State Electricity Board
SHS	Solar Home Systems
SMD	Soil Moisture Deficit Ratio
SMI	Soil Moisture Index
SOI	Southern Oscillation Index
SPV	Solar Photo Voltaic
SRES	Special Report on Emission Scenarios
SSCL	Severe storms per km of the coastline
SST	Sea Surface Temperature
SWAT	Soil and Water Assessment Tool
T&D	Transmission and Distribution
TAC	Technical Advisory Committee
TAR	Third Assessment Report
TEDDY	TERI Energy Data Directory Year book
TERI	The Energy and Resources Institute



Acronyms		Details	
TIFAC	Technology Information Forecasting and Assessment Council		
TR	Targeted Research		
UMB	Urea Molasses Block		
UNDP	United Nations Development Programme		
UNFCCC	United Nations Framework Convention on Climate Change		
UR	Uncertainty Reduction in inventory estimation		
VA	Vulnerability Assessment and Adaptation		
VI	Vulnerability Indicators		
WHO	World Health Organisation		
WMO	World Meteorological Organisation		
WOFST	World Food Study Programme		
WSSD	World Summit on Sustainable Development		
WTGROWS	Wheat Growth Simulator		

Units and quantities			
BCM	Billion Cubic Meter (equals 1km <sup>3</sup> )	m <sup>3</sup>	Cubic metre
BCM	Billion Cubic Metre (equals 1km <sup>3</sup> )	Mha	Million hectare
C	Celsius	MJ	Mega Joule
Gg	Giga gram	mm	millimeter
GW	Giga Watt	Mt	Million tonne
GWh	Giga Watt hour	Mt-CO <sub>2</sub>	Million tonnes of Carbon dioxide
ha	Hectare	Mt-CO <sub>2</sub>	eqMillion tonnes of Carbon dioxide equivalent
hPa	hecta Pascal	MW	Mega Watts
ka	Kilo annual	ppb	parts per billion by volume
km	Kilometre	ppm	parts per million by volume
km <sup>2</sup>	Square kilometre	ppt	parts per trillion by volume
km <sup>3</sup>	Cubic kilometer	t	ton
kW	kilo Watts	Tg	Tera gram
kWp	kilo Watts peak	TJ	Tera Joule
M	Million	toe	tons of oil equivalent
		tons/cap	tons per capita
		W/M <sup>2</sup>	Watt per square metre

Conversion table	
1 Giga gram (Gg)	= 1000 tonnes
	= 10 <sup>9</sup> g
1 Tera gram (Tg)	= 1 Million tonnes
	= 1000 Gg
	= 10 <sup>6</sup> tonne
	= 10 <sup>12</sup> g
1 Tera Joule (TJ)	= 10 <sup>3</sup> GJ
	= 10 <sup>12</sup> Joules
1 Calorie	= 4.18 J