

# ABBREVIATIONS

ACNRS	Advisory Committee on Nuclear and Radiation Safety	CANDU	Canada Deuterium Uranium
ACOH	Advisory Committee on Occupational Health	CBS	Computer Based Systems
ACPSR	Advisory Committee for Project Safety Review	CCC	Construction Completion Certificate
ACS	Advisory Committee on Security	CE	Control Engineer
ACTREC	Advanced Centre for Treatment, Research and Education in Cancer	CESC	Civil Engineering Safety Committee
AER	Atomic Energy Research	CFD	Computational Fluid Dynamics
AERB	Atomic Energy Regulatory Board	CFTF	Compartment Fire Test Facility
AFR	Away From Reactor	CFVS	Containment Filtered Venting System
AGFS	AERB Graduate Fellowship Scheme	CHARMS	Corporate Human Assets and Resources Management System
AGMS	Annulus Gas Monitoring System	CISF	Central Industrial Security Force
AIIMS	All India Institute of Medical Sciences	CISAG	Computer & Information Security Advisory Group
ALARA	As Low as Reasonably Achievable	CIWH	Condensation Induced Water Hammer
AMD	Atomic Minerals Directorate for Exploration and Research	CMG	Crises Management Group
AMG	Accident Management Guideline	CNS	Convention on Nuclear Safety
APAR	Annual Performance Appraisal Report	COMREF	Core Melt Retention Facility
ARPF	Agricultural and Radiation Processing Facility	CORAL	Compact Reprocessing of Advanced Fuels in Lead Cell
ASCE	Assistant Shift Charge Engineer	CPGRAMS	Centralized Public Grievance Redress and Monitoring System
ATI	Administrative Training Institute	CPWG	CANDU PSA Working Group
BARC	Bhabha Atomic Research Centre	CRP	Coordinated Research Project
BHAVINI	Bharatiya Nabhikiya Vidyut Nigam Limited	CRSA	Committee for Reviewing Security Aspects
BITS	Birla Institute of Technology and Science	CSP	Core Sub-assembly Plant
BDL	Below Detection Limit	CSRP	Committee for Safety Research Programmes
BWR	Boiling Water Reactor	CSS	Commission on Safety Standards
BOC	Bureau of Outreach & Communication	CSIR	Council of Scientific & Industrial Research
BRIT	Board of Radiation & Isotope Technology	CSTS	Calandria Side Tube Sheet
BSD	Biennial Shutdown	CT	Calandria Tubes/ Computed Tomography
BSM	Beach Sand Minerals	CWMF	Centralised Waste Management Facility

DAE	Department of Atomic Energy	EPR	Emergency Preparedness & Response
DAE-SCSR	DAE Steering Committee to coordinate Safety Research	EQ	Equipment/ Environmental Qualification
DAVP	Directorate of Advertising and Visual Publicity	ER	Event Report
DBR	Design Basis Report	ERRC	Eastern Regional Regulatory Centre
DCC	Direct Contact Condensation	ESL	Environmental Survey Laboratories
DCSEM	Directorate of Construction, Services & Estate Management	FAC	First Approach to Criticality
DDMP	District Disaster Management Plan	FAS	Fuel Sub-Assemblies
DFMF	Demonstration Facility for Metallic Fuel Fabrication	FB	Fuel Building
DFRP	Demonstration Fast Reactor Fuel Reprocessing Plant	FBR	Fast Breeder Reactor
DGHS	Directorate General of Health Services	FBTR	Fast Breeder Test Reactor
DPP	Document Preparation Profile	FCF	Fuel Cycle Facilities
DPS	Directorate of Purchase and Stores	FFP	Fuel Fabrication Plant
DRA&C	Directorate of Regulatory Affairs and Communications	FINAS	Fuel Incident Notification and Analysis System
DRI	Directorate of Regulatory Inspection	FPC	First Pour of Concrete
DRP&E	Directorate of Radiation Protection and Environment	FR	Frequency Rate
DRS	Directorate of Radiation Safety	FRFCF	Fast Reactor Fuel Cycle Facility
DSHA	Deterministic Seismic Hazard Analysis	GAEC	Ghana Atomic Energy Commission
DSRS	Disused Sealed Radioactive Sources	GHAVP	Gorakhpur Haryana Anu Vidyut Pariyojana
DSS	Decision Support System	GIC	Gamma Irradiation Chamber
EAL	Emergency Action Level	GIS	Geographic Information System
ECCS	Emergency Core Cooling System	GRAPP	Gamma Radiation Processing Facilities
ECIL	Electronics Corporation of India Limited	GSR	General Safety Requirements
EDRMS	Electronic Document & Record Management System	GUI	Graphical User Interface
EDX	Energy Dispersive X-ray	HBNI	Homi Bhabha National Institute
eLORA	electronic Licensing of Radiation Applications	HLLW	High-Level Liquid Waste
EMCCR	En-Masse Coolant Channel Replacement	HS&EG	Health Safety and Environment Group
EOC	Emergency Operation Centres	HWP	Heavy Water Plant
EPR	Evolutionary Pressurized Reactor	HYMIF	HYdrogen MIttigation Facility
		I&C	Instrumentation & Control
		IAEA	International Atomic Energy Agency
		IARPF	Industrial Accelerator Radiation Processing Facility
		IC	Inner Containment

ICCR	Integrated Command Control and Response	LWC	Light Water Commissioning
ICRP	International Commission on Radiological Protection	LWR	Light Water Reactor
IFSB	Interim Fuel Storage Building	MAPS	Madras Atomic Power Station
IGALL	International Generic Ageing Lessons Learned	MCHFR	Minimum Critical Heat Flux Ratio
IGCAR	Indira Gandhi Centre for Atomic Research	MDEP	Multi-national Design Evaluation Program
IGRED	Industrial Gamma Radiation Exposure Device	MDP	Management Development Programme
IHRG	In-house Review Group	MNNIT	Motilal Nehru National Institute of Technology
II	Injury Index	MoEF	Ministry of Environment and Forests
IIP	Indian Institute of Packaging	MoPP	Monazite Processing Plant
IIT	Indian Institute of Technology	MORTH	Ministry of Road Transport and Highways
ILRT	Integrated Leak Rate Test	MoU	Memorandum of Understanding
IMS	Integrated Management System	N&IF	Nuclear & Industrial Facilities
INES	International Nuclear and Radiological Event Scale	NAARRI	National Association for Applications of Radioisotopes and Radiation in Industry
IREL	Indian Rare Earths Limited	NABL	National Accreditation Board for Testing and Calibration Laboratories
IRRS	Integrated Regulatory Review Service	NAPS	Narora Atomic Power Station
IRS	Incident Reporting System	NC	Non Conformance
ISI	In-service Inspection	NCRI	National Conference on Regulatory Interface
ISO	International Organisation for Standardisation	NDMA	National Disaster Management Authority
IT	Information Technology	NEA	Nuclear Energy Agency
ITI	Industrial Training Institute	NEMIS	Nuclear Emergency Management Information System
JHA	Job Hazard Analysis	NFC	Nuclear Fuel Complex
JOLCC	Joint Official Language Coordination Committee	NFRG	Nuclear Facilities Regulation Group
KAPP	Kakrapar Atomic Power Project	NHRC	National Human Rights Commission
KGS	Kaiga Generating Station	NIC	National Informatics Centre
KKNPP	Kudankulam Nuclear Power Project	NOC	No Objection Certificate
LECCS	Loss of Emergency Core Cooling System	NORM	Naturally Occurring Radioactive Material
LMODC	Loss of Moderator Circulation	NPCIL	Nuclear Power Corporation of India Limited
LOCA	Loss of Coolant Accident	NPP	Nuclear Power Plant
LRP	Large Rotatable Plug	NPSD	Nuclear Projects Safety Division

NREMC	Nuclear and Radiological Emergency Monitoring Cell	R&D	Research & Development
NRSC	National Remote Sensing Centre	RAPP	Rajasthan Atomic Power Project
NSAD	Nuclear Safety Analysis Division	RAPS	Rajasthan Atomic Power Station
NSARG	Nuclear Safety Analysis and Research Group	RB	Reactor Building
OECD	Organisation for Economic Cooperation and Development	RCF	Rashtriya Chemicals and Fertilizers
OESC	On-site Emergency Support Centre	RERD	Radiation Emergency Response Director
OLIC	Official Language Implementation Committee	REGDOC	Regulatory Safety Documents
OHSC	Occupational Health Safety Committee	RF	Radio Frequency
OPSD	Operating Plants Safety Division	RI	Regulatory Inspection
OSCOM	Orissa Sand Complex	RIA	Radiological Impact Assessment
OSEE	Off-Site Emergency Exercise	RIMP	Record & Information Management Procedure
OSL	Optically Stimulated Luminescence	RMC	Radiation Medicine Centre
PARF	Particle Accelerator Research Facilities	RPF	Radiation Processing Facility
PAHMS	Post-Accident Hydrogen Management System	RRC	Regional Regulatory Centres
PC	Primary Containment	RRCAT	Raja Ramanna Centre for Advanced Technology
PCCS	Passive Containment Cooling System	RSA	Radiation Safety Agency
PCRD	Passive Catalytic Recombiner Devices	RSD	Radiological Safety Division/ Refuelling Shutdown
PDHRS	Passive Decay Heat Removal System	RSNSA	Radiation Safety and Nuclear Security Authority
PDSC	Project Design Safety Committee	RSO	Radiological Safety Officer
PET	Positron Emission Tomography	RTD	Resistance Temperature Detector
PFBR	Prototype Fast Breeder Reactor	RTI	Right to Information
PFFF	PHWR Fuel Fabrication Facility	SA	Severe Accident
PHTS	Primary Heat Transport System	SAR	Safety Analysis Report
PHWR	Pressurized Heavy Water Reactor	SARCAR	Safety Review Committee for Applications of Radiation
PIE	Post Irradiation Examination	SARCOP	Safety Review Committee for Operating Plants
PSA	Probabilistic Safety Assessment	SASSI	System for Analysis of Soil-Structure Interaction
PSAR	Preliminary Safety Analysis Report	SC	Safety Code
PSR	Periodic Safety Review	SCCI&CS	Standing Committee on Control for Instrumentation & Computer Based Systems
PT	Pressure Tube	SCE	Shift Charge Engineer
PWR	Pressurized Water Reactor		
QA/QC	Quality Assurance/Control		

SCRAM	Safety and Control Rod Accelerated Movement	TECDOC	Technical Document
		TF	Task Force
SC-RP	Standing Committee Reactor Physics	TISS	Tata Institute of Social Sciences
SDDP	Safety Document Development Proposal	TLD	Thermo Luminescence Dosimetry
SEC	Site Evaluation Committee	TM	Technical Meeting
SEE	Site Emergency Exercise	TMH	Tata Memorial Hospital
SEM	Scanning Electron Microscope	TNSDRF	Tamil Nadu State Disaster Management Authority
SER	Significant Event Report/ Site Evaluation Report	TPA	Tons Per Annum
SFCT	Sodium Facility for Component Testing	UCIL	Uranium Corporation of India Limited
SG	Safety Guide/Steam Generator	UNDP	United Nations Development Programme
SIT	Structural Integrity Test	USNRC	United States Nuclear Regulatory Commission
SM	Safety Manual	UT	Ultrasound Testing
SOP	Standard Operating Procedure	VECC	Variable Energy Cyclotron Centre
SOT	Site Observer Team	VSP	Versatile Solvent Production Plant
SPECT	Single Photon Emission Computed Tomography	VVER	Vodo-Vodyanoi Energetichesky Reactor
SR	Severity Rate	WASIF	Water and Steam Interaction Facility
SRI	Safety Research Institute	WG	Working Group
SRRC	Southern Regional Regulatory Centre	WL	Well Logging
SS	Safety Standard / Stainless Steel	XRD	X-ray Diffraction
SSC	Structures, Systems and Components	YASHADA	Yashwantrao Chavan Academy of Development Administration
SSI	Soil-Structure Interaction	ZC	Zirconium Complex
TAPS	Tarapur Atomic Power Station	ZCC	Zone Control Compartment
TB	Turbine Building	ZFF	Zircaloy Fabrication Facility
TBP	Tri Butyl Phosphate		
TDP	Technology Demonstration Plant		