

# ABBREVIATIONS

ACNRS	Advisory Committee on Nuclear and Radiation Safety	BARCIS	BARC Channel Inspection System
ACOH	Advisory Committee on Occupational Health	BHAVINI	Bharatiya Nabhikiya Vidyut Nigam Limited
ACPSR	Advisory Committee for Project Safety Review	BIS	Bureau of Indian Standards
ACPSR-FCF	Advisory Committee for Project Safety Review- Fuel Cycle Facilities	BITS	Birla Institute of Technology and Science
ACRP	AERB Course on Regulatory Processes	BOC	Bureau of Outreach & Communication
ACS	Advisory Committee on Security	BRIT	Board of Radiation & Isotope Technology
AERB	Atomic Energy Regulatory Board	BSD	Biennial Shutdown
AFR	Away From Reactor	BSM	Beach Sand Minerals
AGFS	AERB Graduate Fellowship Scheme	BSM-NORM	Beach Sand Minerals & Naturally Occurring Radioactive Materials
AGMS	Annulus Gas Monitoring System	CANDU	Canada Deuterium Uranium
AIIMS	All India Institute of Medical Sciences	CDSCO	Central Drugs Standards Control Organisation
ALA	Accident Localized Area	CE	Control Engineer
ALARA	As Low As Reasonably Achievable	CESC	Civil Engineering Safety Committee
ALSC	Accelerator and Laser Safety Committee	CESCOP	Civil Engineering Safety Committee for Operating Plants
AMD	Atomic Minerals Directorate for Exploration and Research	CFD	Computational Fluid Dynamics
AMG	Accident Management Guideline	CFTF	Compartment Fire Test Facility
ARPANSA	Australian Radiation Protection and Nuclear Safety Agency	CFVS	Containment Filtered Venting System
ASCE	Assistant Shift Charge Engineer	CHARMS	Corporate Human Assets and Resources Management System
ATI	Administrative Training Institute	CMG	Crises Management Group
BAERA	Bangladesh Atomic Energy Regulatory Authority	CNRA	Committee on Nuclear Regulatory Activities
BARC	Bhabha Atomic Research Centre	CNS	Convention on Nuclear Safety
		COMREF	Core Melt Retention Facility

CORAL	Compact Reprocessing of Advanced Fuels in Lead Cell	DRS	Directorate of Radiation Safety
CPGRAMS	Centralized Public Grievance Redress and Monitoring system	DSC	Digital Signature Certificate
CPWG	CANDU PSA Working Group	DSRS	Disused Sealed Radioactive Sources
CRP	Coordinated Research Project	DSS	Decision Support System
CRSA	Committee for Reviewing Security Aspects	EAL	Emergency Action Level
CSP	Core Sub-assembly Plant	ECCS	Emergency Core Cooling System
CSRP	Committee for Safety Research Programmes	ECIL	Electronics Corporation of India Limited
CSS	Containment Spray System	EDS	Electron Dispersive Spectroscopy
CSS	Commission on Safety Standards	EL	Elevation Level
CT	Calandria Tubes/Computed Tomography	eLORA	electronic Licensing of Radiation Applications
DAVP	Directorate of Advertising and Visual Publicity	EM	Electro Magnetic
DBR	Design Basis Report	EMCCR	En-Masse Coolant Channel Replacement
DCC	Direct Contact Condensation	EPR	Emergency Preparedness & Response
DCSEM	Directorate of Construction, Services & Estate Management	EQ	Equipment/ Environment Qualification
DFMF	Demonstration Facility for Metallic Fuel Fabrication	ER	Event Reports
DFRP	Demonstration Fast Reactor Fuel Reprocessing Plant	ERRC	Eastern Regional Regulatory Centre
DGCA	Directorate General of Civil Aviation	FAC	First Approach to Criticality
DGFT	Director General of Foreign Trade	FBR	Fast Breeder Reactor
DHC	Delayed Hydride Cracking	FBTR	Fast Breeder Test Reactor
DPP	Document Preparation Profile	FPNE	Fundamental Programme on Nuclear Energy
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
		FRFCF	Fast Reactor Fuel Cycle Facility
		FRFRP	Fast Reactor Fuel Reprocessing Plant
		GHAVP	Gorakhpur Haryana Anu Vidyut Pariyojana

GIC	Gamma Irradiation Chamber	KAPP	Kakrapar Atomic Power Project
GIS	Geographic Information System	KGS	Kaiga Nuclear Power Station
GRAPF	Gamma Radiation Processing Facilities	KKNPP	Kudankulam Nuclear Power Project
GSR	General Safety Requirements	KRSC	KGS 1 to 4 and RAPS 3 to 6 Safety Committee
GUI	Graphical User Interface	LOCA	Loss of Coolant Accident
HBNI	Homi Bhabha National Institute	LWR	Light Water Reactor
HWP	Heavy Water Plant	MAPS	Madras Atomic Power Station
HYMIF	HYdrogen MItigation Facility	MDEP	Multi-national Design Evaluation Program
I&C	Instrumentation & Control	MDP	Management Development Programme
IAEA	International Atomic Energy Agency	MDR	Medical Devices Rules
ICRP	International Commission on Radiological Protection	MoEF	Ministry of Environment and Forests
IFSB	Interim Fuel Storage Building	MoU	Memorandum of Understanding
IGALL	International Generic Ageing Lessons Learned	NABL	National Accreditation Board for Testing and Calibration Laboratories
IGCAR	Indira Gandhi Centre for Atomic Research	NAPS	Narora Atomic Power Station
IGRED	Industrial Gamma Radiation Exposure Device	NC	Non Conformance
IHRG	In-house Review Group	NCRI	National Conference on Regulatory Interface
II	Injury Index	NDMA	National Disaster Management Authority
IIT	Indian Institute of Technology	NEA	Nuclear Energy Agency
IMS	Integrated Management System	NEMIS	Nuclear Emergency Management Information System
INES	International Nuclear and Radiological Event Scale	NFC	Nuclear Fuel Complex
IRAPF	Industrial Accelerator Facilities for Radiation Processing	NFRG	Nuclear Facilities Regulation Group
IREL	Indian Rare Earths Limited	NIC	National Informatics Centre
IRRS	Integrated Regulatory Review Service	NOC	No Objection Certificate
IRS	Incident Reporting System	NORM	Naturally Occurring Radioactive Material
ISI	In-service Inspection		
ISO	International Organisation for Standardisation		
IT	Information Technology		

NPCIL	Nuclear Power Corporation of India Limited	PSA	Probabilistic Safety Assessment
NPP	Nuclear Power Plant	PSAR	Preliminary Safety Analysis Report
NPSD	Nuclear Projects Safety Division	PSI	Pre-service Inspection
NREMC	Nuclear and Radiological Emergency Monitoring Cell	PSR	Periodic Safety Review
NRSC	National Remote Sensing Centre	PT	Pressure Tube
NSAD	Nuclear Safety Analysis Division	QA	Quality Assurance
NSARG	Nuclear Safety Analysis and Research Group	QMS	Quality Management System
NuPAC	Nuclear Plant Analyser Code	R&D	Research & Development
OECD	Organisation for Economic Cooperation and Development	RAPP	Rajasthan Atomic Power Project
OESC	On-site Emergency Support Centre	RAPS	Rajasthan Atomic Power Station
OIL	Operational Intervention Levels	RB	Reactor Building
OLIC	Official Language Implementation Committee	RCF	Rashtriya Chemicals and Fertilisers
ONR	Office for Nuclear Regulation	REGDOC	Regulatory Safety Documents
OPSD	Operating Plants Safety Division	RI	Regulatory Inspection
OSCOM	Orissa Sand Complex	RIA	Radiological Impact Assessment
OSEE	Off-site Emergency Exercise	RPF	Radiation Processing Facility
OSL	Optically Stimulated Luminescence	RRC	Regional Regulatory Centres
PARF	Particle Accelerator Research Facilities	RRCAT	Raja Ramanna Centre for Advanced Technology
PCCS	Passive Containment Cooling System	RSD	Radiological Safety Division/ Refuelling Shutdown
PCRD	Passive Catalytic Recombiner Devices	RSO	Radiological Safety Officer
PDSC	Project Design Safety Committee	RTI	Right to Information Act
PET	Positron Emission Tomography	SA	Severe Accident
PFBR	Prototype Fast Breeder Reactor	SAMG	Severe Accident Analysis & Management Guidelines
PFFF	PHWR Fuel Fabrication Facility	SAR	Safety Analysis Report
PHTS	Primary Heat Transport System	SARCAR	Safety Review Committee for Applications of Radiation
PHWR	Pressurised Heavy Water Reactor	SARCOP	Safety Review Committee for Operating Plants
PIED	Post Irradiation Examination Division	SASTAT	Severe Accident Source Term Analysis Tool
		SC	Safety Code
		SCCI&CS	Standing Committee on Control for Instrumentation & Computer Based Systems
		SCE	Shift Charge Engineer

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