

ABBREVIATIONS

ACNRS	Advisory Committee on Nuclear and Radiation Safety	BSM	Beach Sand Minerals
ACPSR	Advisory Committee for Project Safety Review	CDB	Collective Dose Budget
ACS	Advisory Committee on Security	CDA	Core Disruptive Accident
ACTREC	Advanced Centre for Treatment, Research and Education in Cancer	CFTF	Compartment Fire Test Facility
AEC	Atomic Energy Commission	CSIR	Council of Scientific & Industrial Research
AERB	Atomic Energy Regulatory Board	CSTS	Calandria Side Tube Sheet
AFR	Away From Reactor	CWMF	Centralised Waste Management Facilities
AAFR	Additional Away From Reactor	CE	Control Engineer
AGFS	AERB Graduate Fellowship Scheme	CEC	Civil Engineering Safety Committee
AIIMS	All India Institute of Medical Sciences	CFD	Computational Fluid Dynamics
ALARA	As Low as Reasonably Achievable	CFVS	Containment Filtered Venting System
ALSC	Accelerator and Laser Safety Committee	CHF	Critical Heat Flux
AMD	Atomic Minerals Directorate for Exploration and Research	CMG	Crisis Management Group
ARPF	Agricultural and Radiation Processing Facility	CNS	Convention on Nuclear Safety
ASCE	Assistant Shift Charge Engineer	COMREF	Core Melt Retention Facility
AOO	Anticipated Operational Occurrences	COSTRAM	Committee for Safe Transport of Radioactive Material
BARC	Bhabha Atomic Research Centre	CORAL	Compact Reprocessing of Advanced Fuels in Lead Cell
BAERA	Bangladesh Atomic Energy Regulatory Authority	CPIO	Central Public Information Officer
BE	Budget Estimates	CPGRAMS	Centralized Public Grievance Redress and Monitoring system
BDBE	Beyond Design Basis Event	CPSAR	Control and Protection System Absorber Rods
BHAVINI	Bharatiya Nabhikiya Vidyut Nigam	CRENRAF	Committee for Review of Exposure Cases in Nuclear Fuel Cycle and Radiation Facilities
BHEL	Bharat Heavy Electricals Limited	CRSA	Committee for Reviewing Security Aspects
BWR	Boiling Water Reactor	CSR	Committee for Safety Research Programmes
BRIT	Board of Radiation & Isotope Technology		

CT	Calandria Tubes / Computed Tomography	ERRC	Eastern Regional Regulatory Centre
DAE	Department of Atomic Energy	ERMO	Emergency Response Monitoring Organization
DBA	Design Basis Accident		
DCSEM	Directorate of Construction, Services & Estate Management	ESL	Environmental Survey Laboratories
DFRP	Demonstration Fast Reactor Fuel Reprocessing Plant	FAC	First Approach to Criticality
		FBR	Fast Breeder Reactor
DHOA	Di Hexyl Octanamide	FBTR	Fast Breeder Test Reactor
DPP	Document Preparation Profile	FCF	Fuel Cycle Facilities
DPS	Directorate of Purchase and Stores	FED	Field Exercise and Demonstration
		FFTF	Fast Flux Test Facility
DPIIT	Department for Promotion of Industry and Internal Trade	FHIC	Feeder Header Insulation Cabinet
		PFFF	PHWR Fuel Fabrication Facility
DRI	Directorate of Regulatory Inspection	FOAK	First-of-A-Kind
		FP	Full Power
DRP&E	Directorate of Radiation Protection and Environment	FPC	First Pour of Concrete
		FR	Frequency Rate
DSS	Decision Support System	FTIR	Fourier Transform Infrared Spectroscopy
ECCS	Emergency Core Cooling System		
ECIL	Electronics Corporation of India Limited	GHAVP	Gorakhpur Haryana Anu Vidyut Pariyojana
EFPD	Effective Full Power Day	GI	Ground Improvement
EP	Emergency Protection	GIC	Gamma Irradiation Chamber
EGCC	Expert Group on Coolant Channels	GRAPF	Gamma Radiation Processing Facilities
EDX	Energy Dispersive X-ray	GSR	General Safety Requirements
e-LORA	electronic Licensing of Radiation Applications	GTR	Gantry Treatment Room
		HS&EG	Health, Safety and Environment Group
EMCCR	En-Masse Coolant Channel Replacement	HOT	Human Organisation & Technical Factors
EMFR	En-masse Feeder Replacement		
EP	Emergency Protection	HWP	Heavy Water Plant
EPR	Emergency Preparedness & Response	HQ	Head Quarter
		I&C	Instrumentation & Control
		IAEA	International Atomic Energy Agency
ER	Event Reports		

IARPF	Industrial Accelerator Radiation Processing Facility	JOLCC	Joint Official Language Coordination Committee
IC	Inner Containment/Initiating Conditions	KAPS	Kakrapar Atomic Power Station
ICCR	Integrated Command Control and Response	KAPP	Kakrapar Atomic Power Project
ICRP	International Commission on Radiological Protection	KGS	Kaiga Nuclear Power Station
IFSB	Interim Fuel Storage Building	KAMINI	Kalpakkam Mini Reactor
IGCAR	Indira Gandhi Centre for Atomic Research	KKNPP	Kudankulam Nuclear Power Project
IGSCC	Inter Granular Stress Corrosion Cracking	KMS	Knowledge Management System
II	Injury Index	KMML	Kerala Minerals and Metals Ltd
IIMC	Indian Institute of Mass Communication	LASER	Light Amplification by Stimulated Emission of Radiation
IIT	Indian Institute of Technology	LED	Light-emitting diode
ILRT	Integrated Leak Rate Test	LINAC	Linear Accelerators
IMS	Integrated Management System	LOCA	Loss of Coolant Accident
INES	International Nuclear and Radiological Event Scale	LSSR	Limited Scope Safety Review
IPHWR	Indian PHWR	LWR	Light Water Reactor
IR	Industrial Radiography	MAPS	Madras Atomic Power Station
IR	Incidence Rate	MAL	Main Air Lock
IREL	IREL(India) Ltd.	MCP	Main Coolant Pipelines
IRRS	Integrated Regulatory Review Service	MEE	Major Equipment Erection
IRGD	Ionising Radiation Gauging Devices	MoU	Memorandum of Understanding
IRED	Industrial Radiography Exposure Device	MRTDDF	Magnesium Recycling Technology Development & Demonstration Facility
ISC	Indian Science Congress	MSP	Mineral Separation Plants
ISI	In-service Inspection	MWe	Mega Watt Electrical
ISO	International Organisation for Standardisation	NDT	Non-Destructive Testing
ISOMED	Irradiation Sterilization of Medical Products	NDCT	Natural Draft Cooling Tower
IVR	In-Vessel Retention	NF	Nuclear Facility
		NG	Nucleonic Gauges
		NRB	Nuclear Recycle Board
		NRRC	Northern Regional Regulatory Centre
		N&IF	Nuclear & Industrial Facilities
		NAPS	Narora Atomic Power Station
		NB	Nuclear Building

NCRI	National Conference on Regulatory Interface	PCCS	Passive Containment Cooling System
NDMA	National Disaster Management Authority	PCRDs	Passive Catalytic Recombiner Devices
NEA	Nuclear Energy Agency	PCRD	Passive Catalytic Recombiner Device
NFC	Nuclear Fuel Complex		
NOC	No Objection Certificate	PDSC	Project Design Safety Committee
NORM	Naturally Occurring Radioactive Material	PEE	Plant Emergency Exercise
NPCIL	Nuclear Power Corporation of India Limited	PET	Positron Emission Tomography
NPP	Nuclear Power Plant	PFBR	Prototype Fast Breeder Reactor
NPSD	Nuclear Projects Safety Division	PFFF	PHWR Fuel Fabrication Facility
NRE	Nuclear and Radiological Emergency	PHTS	Primary Heat Transport System
NREMC	Nuclear and Radiological Emergency Monitoring Centre	PHWR	Pressurized Heavy Water Reactor
NRF	Nuclear & Radiation Facility	PMS	Personal Monitoring System
NSAD	Nuclear Safety Analysis Division	PSI	Pre-Service Inspections
NSDF	Near Surface Disposal Facility	PSR	Periodic Safety Review
NSWS	National Single Window System	PWR	Pressurised Water Reactor
OCES	Orientation Course for Engineering Graduates and Science Post Graduates	QA/QC	Quality Assurance/Control
OESC	On-Site Emergency Support Centre	R&D	Research & Development
OHSC	Occupational Health Safety Committee	RAPP	Rajasthan Atomic Power Project
OJT	On-Job-Training	RAPS	Rajasthan Atomic Power Station
OLIC	Official Language Implementation Committee	RB	Reactor Building
O&M	Operation & Maintenance	RCA	Root Cause Analysis
OPSD	Operating Plants Safety Division	RCL	Radio Chemistry Laboratory
OSCOM	Orissa Sand Complex	REGDOC	Regulatory Safety Documents
OSEE	Off-site Emergency Exercise	RERD	Radiation Emergency Response Director
PARF	Particle Accelerator Research Facilities	RE	Revised Estimates
		RF	Radiation Facility / Radio Frequency
		RI	Regulatory Inspection
		RIH	Reactor Inlet Header
		RML	Radio Metallurgy Laboratory
		RR	Rawatbhata Rajasthan
		RR	Research Reactor
		RPF	Radiation Processing Facility
		RPV	Reactor Pressure Vessel
		RRC	Regional Regulatory Centres

RRCAT	Raja Ramanna Centre for Advanced Technology	SNS	Single-phase Natural Circulation Stage
RSD	Radiological Safety Division/ Refuelling Shutdown	SM	Safety Manual
RSO	Radiological Safety Officer	SOT	Site Observer Team
RCL	Radio Chemistry Laboratory	SPECT	Single Photon Emission Computed Tomography
RTI	Right To Information	SPP	Solvent Production Plant
ROH	Reactor Outlet Header	SR	Severity Rate
RU	Reprocessed Uranium	SRI	Safety Research Institute
SARCAR	Safety Review Committee for Applications of Radiation	SRRC	Southern Regional Regulatory Centre
SARCOP	Safety Review Committee for Operating Plants	SS	Safety Standard
SBO	Station Blackout	TAPS	Tarapur Atomic Power Station
SC	Safety Code	TB	Turbine Building
SCCI&CS	Standing Committee on Control Instrumentation & Computer Based Systems	TBP	Tri Butyl Phosphate
SCE	Shift Charge Engineer	TBq	Tera Baqurrel
SCHTF	Safety Committee for Hadron Therapy Facilities	TiAP	Tri iso Amyl Phosphate
SCRAM	Safety and Control Rod Accelerated Movement	TOPO	Tri Octyl Phosphine Oxide
SCRF	Superconducting RF Cavity	TT	Table-Top
SDDP	Safety Document Development Proposal	TPA	Tons Per Annum
SDRP	Safety Document Revision Proposal	UC	Uranium Carbide
SDS	Shutdown System	UCIL	Uranium Corporation of India Limited
SEE	Site Emergency Exercise	UJDSR	Nuclear Regulatory Authority of the Slovak Republic
SEM	Scanning Electron Microscope	USNRC	United States Nuclear Regulatory Commission
SER	Significant Event Report / Site Evaluation Report	VSSP	Versatile Solvent Synthesis Plant
SFP	Spent Fuel Pool	VDPP	Versatile Deuterated compounds Production Plant
SFR	Sodium-cooled Fast Reactors	VECC	Variable Energy Cyclotron Centre
SG	Safety Guide/Steam Generator	VVER	Vodo-Vodyanoi Energeticheskyy Reactor
SGDHR	Safety Grade Decay Heat Removal System	WL	Well Logging
		XIC	X-ray Irradiation Chamber
		XRD	X-ray Diffraction
		ZC	Zirconium Complex
		ZFF	Zircaloy Fabrication Facility