

ABBREVIATIONS

AAL	Auxiliary Air Lock	BRIT	Board of Radiation & Isotope Technology
ACNRS	Advisory Committee on Nuclear and Radiation Safety	BPCL	Bharat Petroleum Corporation Limited
ACPSR	Advisory Committee for Project Safety Review	BSD	Biennial Shutdown
ACS	Advisory Committee on Security	BSM	Beach Sand Minerals
AEC	Atomic Energy Commission	CIWH	Condensation Induced Water Hammer
AER	Atomic Energy Research	CDB	Collective Dose Budget
AE(RP)	Atomic Energy (Radiation Protection)	CDSCO	Central Drugs Standard Control Organisation
AERB	Atomic Energy Regulatory Board	CMG	Crisis Management Group
AFR	Away From Reactor	CSIR	Council of Scientific & Industrial Research
AGFS	AERB Graduate Fellowship Scheme	CSTS	Calandria Side Tube Sheet
AGMS	Annulus Gas Monitoring System	CWMF	Centralised Waste Management Facilities
AIIMS	All India Institute of Medical Sciences	CE	Control Engineer
ALARA	As Low as Reasonably Achievable	CESC	Civil Engineering Safety Committee
AMD	Atomic Minerals Directorate for Exploration and Research	CFD	Computational Fluid Dynamics
APPCB	Andhra Pradesh Pollution Control Board	CFVS	Containment Filtered Venting System
ARPF	Agricultural and Radiation Processing Facility	CHF	Critical Heat Flux
ASCE	Assistant Shift Charge Engineer	CMG	Crisis Management Group
ASDV	Atmospheric Steam Discharge Valves	CNS	Convention on Nuclear Safety
ASTET	AERB Source Term Estimation Tool	CNSC	Nuclear Regulatory Body of Canada
ASTM	American Society for Testing and Materials	CSL	Cross-hole Sonic Logging
BARC	Bhabha Atomic Research Centre	CSR	Corporate Social Responsibility
BDBE	Beyond Design Basis Event	COMREF	Core Melt Retention Facility
BHAVINI	Bharatiya Nabhikiya Vidyut Nigam Limited	COSTRAM	Committee for Safe Transport of Radioactive Material
BHEL	Bharat Heavy Electricals Limited	CORAL	Compact Reprocessing of Advanced Fuels in Lead Cell
BWR	Boiling Water Reactor	CPGRAMS	Centralized Public Grievance Redress and Monitoring System

CPRF	Combined Piled Raft Foundation	DRP&E	Directorate of Radiation Protection and Environment
CPSAR	Control and Protection System Absorber Rods	DSA	Deterministic Safety Analyses
CRNRE	Committee for Review of INE Ratings of Nuclear and Radiological Events	DSS	Decision Support System
CSRFP	Committee for Safety Research Programmes	ECSS	Emergency Core Cooling System
CSS	Commission on Safety Standards/ Containment Spray System	ECIL	Electronics Corporation of India Limited
CT	Calandria Tubes / Computed Tomography	EFPD	Effective Full Power Day
CWMF	Centralised Waste Management Facility	EDX	Energy Dispersive X-ray
DAE	Department of Atomic Energy	ERMO	Emergency Response Monitoring Organization
DBGM	Design Basis Ground Motion	e-LORA	electronic Licensing of Radiation Applications
DCC	Direct Contact Condensation	EMBHR	En-Masse Boiler Hairpin Replacement
DCGI	Drugs Controller General of India	EMCCR	En-Masse Coolant Channel Replacement
DCSEM	Directorate of Construction, Service & Estate Management	EP	Emergency Protection
DFMF	Demonstration Facility for Metallic Fuel Fabrication	EPR	Evolutionary Pressurised Reactor / Emergency Preparedness Response
DFRP	Demonstration Fast Reactor Fuel Reprocessing Plant	ER	Event Reports
DGHS	Directorate General of Health Services	ERRC	Eastern Regional Regulatory Centre
DGFT	Director General of Foreign Trades	ERSD	Emerging Regulatory Strategy Division
DPP	Document Preparation Profile	ESL	Environmental Survey Laboratories
DPS	Directorate of Purchase and Stores	FA	Fuel Assembly
DPIIT	Department for Promotion of Industry and Internal Trade	FAC	First Approach to Criticality
DR	Diagnostic Radiology	FBR	Fast Breeder Reactor
DRA&C	Directorate of Regulatory Affairs and Communications	FBTR	Fast Breeder Test Reactor
DRI	Directorate of Regulatory Inspection	FCF	Fuel Cycle Facilities
		FMPF	Fission Mo-99 Production Facility
		FOAK	First-of-A-Kind
		FP	Full Power

FPC	First Pour of Concrete	IGSCC	Inter Granular Stress Corrosion Cracking
FR	Frequency Rate	IHX	Intermediate Heat Exchanger
FSSC	Ferro Siliceous Sacrificial Concrete	II	Injury Index
FTC	Fuel Temperature Coefficient	IIT	Indian Institute of Technology
FTIR	Fourier Transform Infrared Spectroscopy	ILRT	Integrated Leak Rate Test
GHAVP	Gorakhpur Haryana Anu Vidyut Pariyojana	IMS	Integrated Management System
GIC	Gamma Irradiation Chamber	INES	International Nuclear and Radiological Event Scale
GRAPF	Gamma Radiation Processing Facilities	IPHWR	Indian PHWR
GSR	General Safety Requirements	I&CT	Information and Communication Technology
HC	Hydro Carbon	I&FS	Industrial and Fire Safety
HFP	Hot Full Power	IR	Industrial Radiography
HS&EG	Health, Safety and Environment Group	IREL	IREL (India) Ltd.
HTC	Heat Transfer Coefficient	IRRS	Integrated Regulatory Review Service
HWP	Heavy Water Plant	IRS	Incident Reporting System
HQ	Head Quarter	IRGD	Ionising Radiation Gauging Devices
I&C	Instrumentation & Control	IREL	Industrial Radiography Exposure Device
IAEA	International Atomic Energy Agency	IRSN	Institute for Radiological Protection and Nuclear Safety
IARPF	Industrial Accelerator Radiation Processing Facility	ISI	In-service Inspection
IC	Inner Containment/Initiating Conditions	ISO	International Organisation for Standardisation
ICTP	International Centre for Theoretical Physics	ISOMED	Irradiation Sterilization of Medical Products
ICCR	Integrated Command Control and Response	IT	Information Technology
ICRP	International Commission on Radiological Protection	JHA	Job Hazard Analysis
IFSB	Interim Fuel Storage Building	JOLCC	Joint Official Language Coordination Committee
IGCAR	Indira Gandhi Centre for Atomic Research	KAPS	Kakrapar Atomic Power Station
		KAPP	Kakrapar Atomic Power Project

KGS	Kaiga Nuclear Power Station	NB	Nuclear Building
KAMINI	Kalpakkam Mini Reactor	NCRI	National Conference on Regulatory Interface
KKNPP	Kudankulam Nuclear Power Project	NCL	Natural Circulation Loop
KMS	Knowledge Management System	NDMA	National Disaster Management Authority
KMML	Kerala Minerals and Metals Ltd	NDMP	National Disaster Management Plan
LASER	Light Amplification by Stimulated Emission of Radiation	NEA	Nuclear Energy Agency
LOCA	Loss of Coolant Accident	NFC	Nuclear Fuel Complex
LPSD PSA	Low Power and Shut down PSA	NFRG	Nuclear Facilities Regulation Group
LED	Light Emitting Diode	NIC	National Informatics Centre
LTHRS	Long Term Passive Heat Removal System	NOC	No Objection Certificate
LWR	Light Water Reactor	NORM	Naturally Occurring Radioactive Material
MAPS	Madras Atomic Power Station	NPCIL	Nuclear Power Corporation of India Limited
MAL	Main Air Lock	NPP	Nuclear Power Plant
MCCI	Molten Corium Concrete Interaction	NPSD	Nuclear Projects Safety Division
MEE	Major Equipment Erection	NREMC	Nuclear and Radiological Emergency Monitoring Centre
MoCF	Ministry of Chemicals and Fertilizers	NRF	Nuclear & Radiation Facility
MoCI	Ministry of Commerce and Industry	NSAD	Nuclear Safety Analysis Division
MoU	Memorandum of Understanding	NSARG	Nuclear Safety Analysis and Research Group
MTC	Moderator Temperature Coefficient	NSWS	National Single Window System
NDT	Non Destructive Testing	NTPC	National Thermal Power Corporation
NF	Nuclear Facility	NTPF	Niobium Thermit Production Facility
NG	Nucleonic Gauges	OECD	Organisation for Economic Cooperation and Development
NOCIL	National Organic Chemicals Industries Ltd	OESC	On-site Emergency Support Centre
NODRS	National Occupational Dose Registry System	OEM	Origin Equipment Manufacturer
NRB	Nuclear Recycle Board	OHSC	Occupational Health Safety Committee
NRRC	Northern Regional Regulatory Centre		
N&IF	Nuclear & Industrial Facilities		
NAPS	Narora Atomic Power Station		

OJT	On Job Training	RML	Radio Metallurgy Laboratory
OLIC	Official Language Implementation Committee	RMW	Radius to Maximum Wind
OISD	Oil Industry Safety Directorate	RAPPCOF	RAPP Cobalt Facility
OPSD	Operating Plants Safety Division	ROPS	Regional Overpower Protection Systems
OSCOM	Orissa Sand Complex	RR	Rawatbhata Rajasthan
OSEE	Off-site Emergency Exercise	RR	Research Reactor
PARF	Particle Accelerator Research Facilities	RPF	Radiation Processing Facility
PCCS	Passive Containment Cooling System	RPV	Reactor Pressure Vessel
PCRD	Passive Catalytic Recombiner Device	RRC	Regional Regulatory Centres
PDSC	Project Design Safety Committee	RRCAT	Raja Ramanna Centre for Advanced Technology
PEE	Plant Emergency Exercise	RRS	Reactor Regulating System
PET	Positron Emission Tomography	RSD	Radiological Safety Division Refuelling Shutdown
PFBR	Prototype Fast Breeder Reactor	RSO	Radiological Safety Officer
PFFF	PHWR Fuel Fabrication Facility	RT	Radio Therapy
PHTS	Primary Heat Transport System	RCL	Radio Chemistry Laboratory
PHWR	Pressurized Heavy Water Reactor	RR	Research Reactor
PIE	Post Irradiation Examination	RRI	Remote Regulatory Inspection
PSA	Probabilistic Safety Assessment	RTI	Right to Information
PSIA	Pre-Shipment Inspection Agencies	SAMG	Severe Accident Analysis & Management Guidelines
PSR	Periodic Safety Review	SARCAR	Safety Review Committee for Applications of Radiation
PT	Pressure Tube	SARCOP	Safety Review Committee for Operating Plants
PWR	Pressurised Water Reactor	SBO	Station Blackout
QA/QC	Quality Assurance/Control	SC	Safety Code
R&D	Research & Development	SCCI&CS	Standing Committee on Control for Instrumentation & Computer Based Systems
RAPP	Rajasthan Atomic Power Project	SCE	Shift Charge Engineer
RAPS	Rajasthan Atomic Power Station		
REGDOC	Regulatory Safety Documents		
RERD	Radiation Emergency Response Director		
RF	Radiation Facility / Radio Frequency		
RI	Regulatory Inspection		

SCIS	State Committee on Industrial Safety	TBP	Tri Butyl Phosphate
SCRAM	Safety and Control Rod Accelerated Movement	TDP	Technology Demonstration Plant
SDDP	Safety Document Development Proposal	TERC	Terrestrial Environmental Radiochemistry
SDRP	Safety Document Revision Proposal	TF	Task Force
SDS	Shutdown System	TT	Table-Top
SEC	Site Evaluation Committee	TLD	Thermo Luminescence Dosimetry
SEE	Site Emergency Exercise	TPA	Tons Per Annum
SEM	Scanning Electron Microscope	UCIL	Uranium Corporation of India Limited
SER	Significant Event Report /Site Evaluation Report	UGD	Uranium-Gadolinium Pin
SFSB	Spent Fuel Storage Bay	USNRC	United States Nuclear Regulatory Commission
SG	Safety Guide/Steam Generator	VECC	Variable Energy Cyclotron Centre
SIT	Structural Integrity Test	VPN	Virtual Private Network
SM	Safety Manual	VRF	Variable Refrigerant Flow
SMR	Small Modular Reactor	VVER	Vodo-Vodyanoi Energetichesky Reactor
SOP	Standard Operating Procedure	WASIF	Water and Steam Interaction Facility
SOT	Site Observer Team	WL	Well Logging
SPECT	Single Photon Emission Computed Tomography	WRF	Waste Recycle Facility
SR	Severity Rate	XIC	X-ray Irradiation Chamber
SRI	Safety Research Institute	XRD	X-ray Diffraction
SRRC	Southern Regional Regulatory Centre	ZC	Zirconium Complex
SS	Safety Standard	ZFF	Zircaloy Fabrication Facility
TAPS	Tarapur Atomic Power Station	ZP	Zero Power
TB	Turbine Building		