

Preliminary Proposals for 2005-2006 RCA Projects (as of 14 May 2003)

RCA Rep(25)/12
(Agenda 10)

Sector/LCC	No.	MS	Project Title	Remarks
Agriculture /CPR	1	BGD-1	Nuclear techniques in Studies on Soil Moisture and Nitrogen interactions under Conservation Agriculture in the Drought-Prone Areas of Bangladesh	Electronic version
	2	BGD-2	Enhancement of genetic diversity in pulses, oilseeds, vegetables and grape fruit through induced mutation and biotechnology	Ditto
	3	BGD-3	The Use of Nuclear and Related Techniques for Better Management of Water and Nutrients in Dryland Cropping System	Ditto
	4	BGD-4	Isolation of Endophytic Plant Growth Promoting Bacteria from Rice and Assess Their Potential for Supplying Biologically Fixed Nitrogen	Ditto
	5	BGD-5	Use of legume and Azolla as green manure and reduced tillage for conservation of inputs in rice-wheat cropping system	Ditto
	6	CPR-1	Determination of chloramphenicol in animal products by utilizing radioimmunoassay (RIA) and related techniques	Ditto
	7	CPR-2	The Use of nuclear and related techniques for better management of water and nutrients in dryland cropping system	Ditto
	8	CPR-3	Enhancement of Genetic Diversity in Food, Pulses and Oil Crops and Establishment of Mutant Germplasm Network(RAS/5/040)	Ditto
	9	CPR-4	Development of Effective Monitoring Practices for Improving Food Safety Management	Ditto
	10	ROK-1	Distributuion of the environmentary friendly pesticide formulation technology for Asia and the Pasific regions	Ditto
	11	PAK-1	The behaviour, fate and contamination of pesticide in soil under local environmental conditions	Hard copy
	12	PAK-2	Nuclear Techniques Assisted Prevention and Mangement of Salinity Problem Arid Pakistan and Central Asia	Ditto
	13	PAK-3	Development of radiation induced mutants of basmati rice for resisitance against bacterial leaf blight (BLB)	Ditto
	14	PAK-4	Management of municipal and farm solid organic wastes for improving organic matter content and productivity of the salt affected soils	Ditto
	15	PAK-5	Improvement of Cereal and Legume Biofertilizer Production with Pesticide Tolerent Strains	Sent to Mr.Reed (TO)
	16	PAK-6	Increasing crop production in rainfed areas by improved water and nutrient management using nuclear techniques	Ditto

Sector/LCC	No.	MS	Project Title	Remarks
Agriculture /CPR	17	PAK-7	Selection of Zinc-efficient wheat genotypes for higher wheat production	Ditto
	18	PAK-8	Application of nuclear techniques for economical and quality production of cotton bollworm's parasitoids	Ditto
	19	PAK-9	Use of induced somatic mutations and biotechnological techniques for genetic improvement and mass production of banana(Musa spp.)	Ditto
	20	PAK-10	Development of short saturated and high yielding varieties of aromatic rice (Oryza sativa) through induced somatic mutations and biotechnology	Ditto
Health /JPN	1	JPN-1	Improvement of QA for Brachytherapy of Cervical Cancer (RAS/6/037, Extension)	Electronic version
	2	AUL-1	Strengthening Medical Physics through Education and Training (RAS/6/038, Extension)	Ditto
	3	JPN-2	Tumor imaging using Tc-99m labeled DMSA	Ditto
	4	JPN-3	Sentinel lymphatic imaging	Ditto
	5	PAK-1	Measurement of Glomerular filtration rate (GFR) using different techniques and formulation of cost effective strategy to assess renal functions especially for third world countries	Hard copy
	6	PAK-2	Sentinel node detection and imaging in surgical management of Ca Breast	Ditto
	7	PAK-3	Management of Liver Cancer using transarterial Radioconjugate therapy	Ditto
	8	PAK-4	Role Gallium-67 scintigraphy in the management of lymphoma patients	Ditto
	9	PAK-5	Management Quality of Head and Neck Cancers in RCA Member States with special emphasis on the role of brachtherapy	Ditto
	10	PAK-6	Radioiodine Therapy Augmentation by Short Course Lithium Therapy in the Management of Carcinoma Thyroid	Ditto
	11	CPR-1	Diagonosing Osteoporosis Using Nuclear Techniques (RAS/7/012, Extension)	only information from TO (Mr. lyenger)
	12	ROK-1	The Promotion of Updated Nuclear Medicine in Asia	only information from JPN

Sector/LCC	No.	MS	Project Title	Remarks
Environment /NZE	1	PAK-1	Enhancing the Marine Coastal Environment in Pakistan	Hard copy
	2	PAK-2	Isotope Techniques for Groundwater Contamination Studies in the Urbanized and Industrial Areas	Ditto
	3	PAK-3	Use of Isotopes in Dam Safety and Dam Sustainability	Ditto
	4	PAK-4	Isotope and Chemical Techniques fro the Assesment of Pollutant Behaviour in Unsaturated Zone	Ditto
	5	NZE-1	Improved Information of Urban Air Quality Management in the RCA Region(RAS7013 Extension)	Electronic Version
	6	PHI-1	Use if Tritium and CFC as Tracers for Geothermal Reservoir Management	Ditto
Industry /IND	1	PAK-1	Up-gradation of natural Polymers for Selective Adsorbents for Pollutant Removal and Fruit Preservation by Radiation Processing of Chitin/Chitosan	Hard copy
	2			
Energy & R.Reactor /ROK	1	ROK-1	Energy Indicators for Sustainable Development	Hard copy
	2	ROK-2	Improvement of Research Reactor Operation and Utilization	Ditto
	3	PAK-1	Simulation of Neutron Beam Instruments	Ditto
	4	PAK-2	Improving the mathematical techniques for simulation of an instantaneous, accidental release of radionuclides from a nuclear reactor to the atmosphere	Ditto
Radiation Protection /AUL	1	PAK-1	Improvement in the Assessment of Occupational Exposure due to External Sources of Radiation	Ditto
	2	PAK-2	Assessment and mitigation of hazards to occupants of houses made of concrete containing naturally occurring radioactive material	Ditto
Rad. Waste Management /ROK	1	PHI-1	Disposal Options for Disused sealed Sources	Electronic version

Sector/LCC	No.	MS	Project Title	Remarks
	2	PAK-1	Establishment of a Central Facility for the Mass Screening of Contaminated Items, Waste and personnel and Their decontamination as a Result of any Nuclear Disaster	Hard copy
ENO /MAL				