

LIST OF ONGOING PROJECTS FUNDED BY THE MINISTRY
(PROGRAMME-WISE- AS ON 30TH JULY 2008)

ENVIRONMENTAL RESEARCH PROGRAMME (ERP) –

Sl. No.	File No/ Title of the Project	Name of the PI with full Address	Date of Sanction (DOS) / Duration	Total Amount Sanctioned (In Rs.)	Remarks
1.	F. No. 19-6/2001-RE Effect of indoor air pollution on respiratory function of children	Dr. Rajmumar Vallabhbai Patel Chest Institute, University of Delhi-110007	07.10.2003 3 Year	19,57,000	Project period extended up to July 2008.
2.	19-96/2003-RE Geo-chemical assessment of fluoride content in rock/soil/water systems in Karbianglong District, Assam.	Dr. P Kotaky North-East Institute of Science & Technology, Jorhat-785006 ASSAM	20.01.2005 3 Year	9,60,000	
3.	19-135/2003-RE Identification and quantification of polycyclic aromatic hydrocarbons [PAHs] in soil and Gomti river sediment in Lucknow city.	Dr. Jai Raj Behari, Head, Analytical Chemistry Section, Indian Toxicology Research Centre, Lucknow-226001 U.P.	01.02.2005 3 Year	6,44,400	
4.	19-158/2003-RE Induction of biodegradability in plastic waste for use in water pollution alleviation technologies.	Dr. Baljit Singh, Department of Chemistry, Himachal Pradesh University, Shimla-171005 HIMACHAL PRADESH	08.02.2005 3 Year	5,70,000	
5.	19-73/2001-RE Development of technology for utilization of phosphogypsum as filler for polymer formulations.	Dr. R. Radhakrishnan, Sriram Institute for Indian Research, Plot No. 14 & 15, Sadarmangala Industrial Area, Whitefield Road, Bangalore-560048 KARNATAKA	20.02.2005 3 Year	9,24,000	
6.	19-26/2003-RE Effect of coastal water quality on the corrosion and bio fouling characteristics of marine engineering alloys.	Dr. G. Subramanian, Central Electrochemical Research Institute, Karaikudi – 630006 TAMIL NADU	01.03.2005 30 months	7,32,000	
7.	19-151/2003-RE Target oriented zeolite analogues for monitoring and control strategies for	Dr. Sadhna Ralyu, Head, Environmental Material Unit,	10.03.2005 3 Year	12,78,000	

	and control strategies for organo toxins.	National Environmental Engineering Research Institute, Nehru Marg, Nagpur- 440020 MAHARASHTRA			
8.	19-23/2003-RE Exploitation of cynobacteria for metal binding detoxification and metal removal from aquatic ecosystem.	Dr. Nirupma Mallik, Agriculture & Food Engineering Department, Indian Institute of Technology, Kharagpur-721302 WEST BENGAL	17.03.2005 3 Year	6,72,000	
9.	19-50/2002-RE Management of acid mine drainage in Meghalaya.	Dr. BP Baruah, North-East Institute of Science & Technology, Jorhat - 785006 ASSAM	28.03.2005 3 Year	14,07,360	
10.	19-5/2003-RE Spatial variability and impact study of anthropogenic mercury in the vicinity of selected environment.	Dr. Shash Parvez, Department of Chemistry, Pandit Ravishankar Shukla University, Raipur-492010 CHHATTISGARH	01.04.2005 3 Year	9,82,560	
11.	19-162/2003-RE Gelling out oil from a complex mixture using low molecular mass organic gelator: to wards the containing oil spill, an environment hazardous.	Dr. P Dastidar, Central Salt & Marine Chemical Research Institute, Gijubhai Badheka Marg, Bhavnagar-363002 GUJARAT	20.04.2005 3 Year	7,74,000	
12.	19-162/2003-RE Electro-synthesis of perfluoroalkanes as non-ozone depleting substitutes for CFCs	Dr. D. Velayutham Central Electrochemical Research Institute (CECRI), Karaikudi – 630006 TAMIL NADU	22.04.2005 3 Year	9,70,200	
13.	19-96/2001-RE Physico-chemical ex-situ remediation of soils, sediments and aquifers contaminated by hazardous waste	Dr. Shyam R Asolekar, Centre for Environment Science and Engineering, Indian Institute of Technology -Bombay, Powai Mumbai-400076 MAHARASHTRA	01.06.2005 3 Year	10,26,480	
14.	19-153/2003-RE Development of a novel solid waste remediation process through resources recovery and its reintegration as value	Dr. MLP Reddy, Regional Research Laboratory, Thiruvanathapuram – 695019	01.07.2005 3 Year	2,55,000,	

	added state-of-art products in the titanium minerals processing industry.	KERALA			
15.	19-94/2003-RE Biological control of volatile organic compounds [VOCs].	Dr. SN Upadhyay, Department of Chemical Engineering & Technology, Institute of Technology, Banaras Hindu University, Varanasi-221005 U.P.	24.07.2005 3 Year	7,97,500	
16.	19-110/2003-RE Traditional methods of water harvesting and its impact on environment in Bikaner district, Rajasthan	Dr. Jai Bharat Singh, Department of Geography, Govt. Dungar College, Bikaner-334001 RAJASTHAN	25.07.2005 3 Year	3,25,400	
17.	19-30/2002-RE Assessment of human exposure to PCBs through biological monitoring.	Dr. V.K. Bhatnagar, National Institute of Occupational Health, P.B. No. 2031, Meghani Nagar, Ahmedabad - 380016 GUJARAT	01.09.2005 3 Year	6,45,600	
18.	19-75/2003-RE Microwave assisted grafting of vinyl monomers on to the natural gums: a source of effective coagulating and flocculating agents for wastewater	Dr. Vandana Singh, Department of Chemistry, Allahabad University, Allahabad-211002 U.P.	01.10.2005 3 Year	10,90,500	
19.	19-1/2004-RE Development of a process for production of liquid fuel from petroleum refinery solid waste of North Eastern region of India by thermal and catalytic cracking.	Dr. R C Borah, Department of Chemical Engineering, North-East Institute of Science & Technology, Jorhat-785006 ASSAM	20.10.2005 3 Year	9,15,600	
20.	19-1/2005-RE Experimental investigations on environmental impact using tyre pyrolysis oil in internal combustion engines	Dr. S Murugan, Department of Mechanical Engg. Rajalakshami Engg. College, Thandalam, Chennai-602105 TAMIL NADU	20.10.2005 3 Year	18,12,400	
21.	19-121/2003-RE NAT2 gene polymorphism [RELP] in urinary bladder mucosa due to environmental pollutant exposure.	Dr. A K Mandal, Department of Pathology, Maulana Azad Medical College, Bahadur Shah Zaffer Marg, New Delhi-110002	25.10.2005 3 Year	13,05,000	

		DELHI			
22.	19-44/2004-RE Environmental acceptability of pre-cast stabilized block using treated municipal marginal solid waste”	Dr. S.C. Sharma, RV College of Engineering, R.V. Vidyaniketan Post, Mysore Road, Bangalore -560059 KARNATAKA	26.04.2006 3 Year	9,98,200	
23.	19-48/2004-RE Development of bio-fiber reinforced sandwich structure”	Dr. R. Suresh, R.V. College of Engineering, R.V. Vidyaniketan Post, Mysore Road, Bangalore -560059 KARNATAKA	26.04.2006 2 Year	9,86,700	
24.	19-3/2004-RE Phyto-removal of heavy metals from industrial effluents	Dr. Padma S. Vankar Indian Institute of Technology Kanpur, 302, Southern Laboratories Kanpur- 208016 U.P.	02.05.2006 3 Year	8,22,000	
25.	19-10/2005-RE Isolation and characterization of Actinomycetes and analysis of their antibacterial potential	Dr. Rup Lal Department of Zoology, Delhi University, Delhi-110007 DELHI	09.05.2006 3 Year	9,92,400	
26.	19-47/2004-RE Hybrid process for the conversion of lignocellulosic materials.	Dr.M..S..Murali, Department of Mechanical Engineering, R.V.College of Engineering , R.V. Vidyaniketan Post, Mysore Road, Bangalore -560059 KARNATAKA	23.06.2006 3 Year	5,98,000	
27.	19-56/2003-RE Eco-friendly approaches for the management of major pests and diseases in wetland rice ecosystem of Tamil Nadu	Dr. S..Samiyappan, Department of Plant Pathology, Tamil Nadu Agriculture University, Coimbatore – 641003 TAMIL NADU	23.06.2006 3 Year	9,28,800	
28.	19-50/2004-RE Utilisation of agricultural waste for the development of useful advanced ceramics.	Dr. Japes Bera Department of Ceramic Engineering, National Institute of Technology, Rourkela – 769008 ORISSA	10.07.2006 3 Year	15,75,500	
29.	19-111/2003-RE	Prof. Tapan Kumar Ghosh	31.07.2006	15,53,420	

	Impact assessment of environmental hazards caused by slaughterhouse wastes and control of pollution by recycling the wastes as animal feed	Department of Animal Nutrition, West Bengal University of Animal & Fishery Sciences, 37, Kshudiram Bose Sarani, Kolkata – 700037 WEST BENGAL	3 Year		
30.	19-18/2003-RE A Sequential biological treatment to handle complex waste waters containing phenol, thiocyanate and ammonia-nitrogen	Dr. Saswati Chakraborty, Department of Civil Engineering , IIT Guwahati. saswati@iitg.ernet.in	23.08.2006 3 Year	6,90,000	
31.	19-58/2005-RE Utilization of Brown Coir waste pith for Lignin degrading enzymes production and development of value products from the fermented waste pith	Dr.(Mrs) P.Prema Regional Research Laboratory, Thiruvananthapuram - 695019 KERALA	07.11.2006 3 Year	10,70,880	
32.	19-6/2005-RE Destruction of volatile organic compounds (vocs) over perovskite-type compounds : Development of a catalytic oxidation device	Dr. K.M.Parida Institute of Minerals & Materials Technology, Bhubaneswar -751013 ORISSA	09.11.2006 3 Year	10,46,500	
33.	19-50/2005-RE Chronic exposure to environmental toxins and the risk to human health	Dr. Sharmila Sengupta Human Genetics Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata- 700108 WEST BENGAL	27.12.2006 3 Year	13,62,750	
34.	19-71/2005-RE Studies on synthesis of valuable chemicals via an environment friendly route using ionic liquids and enzymes	Dr. S.Muthusamy School of Chemistry, Bharathidasan University, Tiruchirappalli – 620024 TAMIL NADU	30.03.2007 3 Year	19,72,250	
35.	19-75/2005-RE Isolation and identification of microbes for composting of degradable plastic waste	Dr. S.B.Gupta Department of Microbiology, Indira Gandhi Krishi Vishwavidalaya, Raipur – 492006 CHHATTISGARH	30.03.2007 3 Year	8,11,250	
36.	19-76/2005-RE Nature friendly and formulation and	Dr. Ajai Srivastava Chaudhary Sarwan Kumar(CSK) Himachal	30.03.2007 3 Year	14,41,870	

	commercialization of indigenous botanicals against major insect pests and diseases in cruciferous crops in HP	Kumar(CSK) Himachal Pradesh Krishni Vishvavidayala (CSKHPKV), Palampur – 176062 HIMACHAL PRADESH			
37.	19-2/2006-RE Effects of O3 on selected crop plants under ambient and elevated condition using ethylene diurea (EDU)	Dr. S.B.Agarwal Department of Botany, Banaras Hindu University, Varanasi-221005 U.P.	30.03.2007 3 Year	10,35,000	
38.	19-21/2004-RE Detoxification of (hydro) chlorofluorocarbons and halons with methane catalytically to reusable hydrofluracarbons	Dr. S.B.Halligudi National Chemical Laboratories (NCL), Dr. Homi Babha Road, Pune- 411008 MAHARASHTRA	07.05.2007 3 Year	6,27,000	
39.	19-63/2005-RE Bioremediation of polycyclic aromatic hydrocarbons (Pyrene)	Dr. Sunita Suneja Department of Microbiology, CCS Haryana Agricultural University, Hisar-125004 HARYANA	16.05.2007 3 Year	11,41,088	
40.	19-66/2005-RE Studies on the reproductive health of different population groups in and around Jagiroad Paper Mill (Hindustan Paper Co. Ltd) and Bongaigaon Refinery & Petrochemical Ltd. (BRPL) in Assam	Dr. J.C.Kalita Department of Zoology, Gauhati University, Guwahati – 781014 ASSAM	16.05.2007 3 Year	8,02,725	
41.	19-73/2005-RE Pesticide degradation using cultural and biological tools to minimize ground water pollution	Dr. Anjana Srivastava Department of Chemistry, College of Basic Science & Humanities, G.B. Pant University of Agriculture & Technology, Pantnagar -263145 UTTARAKHAND	11.06.2007 3 Year	18,41,438	
42.	19-22/2005-RE GIS based modeling of coastal aquifer in Pondicherry region towards solving sea water intrusion	Dr. G.Ravikumar Centre for Water Resources, College of Engineering, Guindy, Anna University, Sardar Patel Road, Chennai-600025 TAMIL NADU	06.07.2007 3 Year	10,08,000	
43.	19-122/2003-RE Development of Luminescence based	Dr. Arif Ali Department of Biosciences	12.07.2007 3 Year	7,30,538	

	Luminescence-based Biosensors for Detection of Mercury Ions in Water Bodies	Faculty of Natural Sciences, Jamia Millia Islamia, Maulana Mohammed Ali Jauhar Marg, New Delhi-110025, DELHI			
44.	19-5/2005-RE Bio-inspired catalytic systems: A Viable option for development of cleaner chemical process	Dr. Subratnath Koner Department of Chemistry, Jadavpur University, Kolkata-700032 WEST BENGAL	12.07.2007 3 Year	9,64,278	
45.	19-35/2005-RE Production of Bio-energy During Wastewater Treatment	Dr. M.M.Ghangrakar Department of Civil Engineering, Indian Institute of Technology, Kharagpur-721302 WEST BENGAL	12.07.2007 3 Year	13,22,213	
46.	19-34/2005-RE Development of a reporter strain to monitor toxic and or Carcinogenic polycyclic aromatic hydrocarbons (PAHs) in the environment	Dr. T.K.Datta Department of Microbiology, Bose Institute, P-1/12 CIT Scheme VIIM, Kolkatta-700054 WEST BENGAL	24.07.2007 3 Year	18,83,700	
47.	19-68/2005-RE Fully Biodegradable Starch based Film for making carry bag and Edible Food Packaging	Dr. Madhusweta Das Department of Agricultural & Food Engineering, Indian Institute of Technology, Kharagpur-721302 WEST BENGAL	30.07.2007 3 Year	8,39,214	
48.	19-33/2003-RE Removal of multimetal pollution from industrial waste streams and natural aquifer system by macrocycle functionalized dendrimers in the presence of organophilic coligands	Dr. V.Alexander Department of Chemistry, Loyola College, Chennai-600034 TAMIL NADU	03.08.2007 3 Year	11,02,500	
49.	19-19/2006-RE Phytoremediation of hydrocarbon contaminated soil of Assam	Dr. S.Deka Resource Management & Environment Division, Institute of Advanced Study in Science & Technology, Pachimborigaon, Garchuk, Guwahati -781035 ASSAM	07.08.2007 3 Year	11,57,510	
50.	19-55/2005-RE Two dimensional sheets and interlayers of	Dr. Kannan Srivastava Silicates and Catalysis Discipline Central Salt &	14.08.2007 3 Year	12,88,644	

	Hydrotalcite-like materials-potential scope for environmental remediation	Discipline, Central Salt & Marine Chemicals Research Institute, Gijubhai Badheka Marg, Bhavnagar-364002 GUJARAT			
51.	19-27/2005-RE Monitoring and removal of toxic compounds from Indian paper mill waste waters	Dr. Satish Kumar Department of Paper Technology, Indian Institute of Technology, Saharanpur Campus, Saharanpur-247001 U.P.	31.08.2007 3 Year	9,45,875	
52.	19-14/2005-RE Disinfection of river / pond / ground water by novel disinfecting polymers	Dr. K.M. Popat Central Salt & Marine Chemical Research Institute, Bhavnagar-364002 GUJARAT	28.09.2007 3 Year	11,95,425	
53.	19-53/2005-RE Pilot scale optimization of bacterial degradation of lignin and pentachlorophenol for pulp paper effluent decolourization and its application for aquaculture and ferti-irrigation	Dr. Ram Chandra Analytical Chemistry Section, Indian Toxicology Research Centre, Post Box No. 80, Lucknow-226001 U.P.	28.09.2007 3 Year	14,12,775	
54.	19-78/2005-RE Noble metal capped semiconductor nanoparticles in the photocatalytic treatment of textile waste water	Dr. T. Shivakumar, Department of Chemical Engineering, Anna University, Chennai-600025 TAMIL NADU	28.09.2007 3 Year	8,91,618	
55.	19-30/2006-RE Degradation of dyes and refractory organic contaminate from textile and other Organic Industrial Effluents	Dr. B. Ramesh Babu, Central Electrochemical Research Institute, Karaikudi-630006, Tamil Nadu	03.10.2007 3 Year	12,02,670	
56.	19-12/2006-RE Recycling of Electronic Waste	Dr. Avimanyu Das, NML, Jamshedpur-831007, Jharkhand	03.10.2007 3 Year	16,45,823	
57.	19-9/2007-RE Development of solar photo catalysts for the mineralization of pollutants in industrial effluent	Dr. M. Swaminathan, Professor of Chemistry, Department of Chemistry, Annamalai University, Annamalai Nagar -608002 Tamil Nadu	19.11.2007 3 Year	10,47,438	
58.	19-35/2006-RE Development of Novel chelating polymers for	Dr. T Kaliyappan, Assistant Professor, Department of Chemistry,	28.11.2007 3 Year	13,19,193	

	effective sorption of chromium ions from tannery waste	Pondicherry Engineering College, Pondicherry-605014.			
59.	19-11/2007-RE Monitoring of water quality of the rivers in District Nainital & Udham Singh Nagar Uttaranchal”	Dr. N G Shrivastva, Senior Manger (PCRI), BHEL, Ranipur, Haridwar-249403 Uttarakhand	28.11.2008 2 Year	1,92,500	
60.	19-62/2005-RE A process development for ameliorating alarming environmental and health hazards posed by pthalates in plastics via chemical, biochemical and bioremediation approaches.	Dr. S. Benjamin, Department of Botany, University of Calicut, Thenhipalam-673635 Kerala	04.01.2008 3 Year	23,49,312	
61.	19-5/2007-RE The impact of coal mining on water quality and microbial communities in Jaintia Hills District, Meghalaya	Dr. H. Kayang Department of Botany, North Eastern Hill University, Shillong-793022 Meghalaya	09.01.2008 3 Year	15,10,813	
62.	19-3/2007-RE Effect of heavy metal pollutants on the induction of biomarker protein, metallothionein in the selective edible organisms of the coastal areas of Tamil Nadu	Dr. S. Vincent, Department of Zoology, Loyola College, Chennai- 600034 Tamil Nadu	17.01.2008 3 Year	12,60,147	
63.	19/13/2006-RE Developing Eco Friendly Microbial Consortia for Pathogen Removal in Sewage Waste Water and Mitigation of Pathogen Entry into Hydrological Cycle	Dr. P Dhevagi, Department of Environmental Sciences, Tamil Nadu Agricultural University, Coimbatore- 641003 Kerala	22.01.2008 3 Year	11,55,964	
64.	19/37/2006-RE Development of Bipolar Membrane Technology for water purification and salt recovery as their corresponding acid and base from industrial effluent	Dr. Vinod K. Shahi, Central Salt & Marine Chemicals Research Institute, Bhavnagar-364002 Gujarat	24.01.2008 3 Year	10,68,637	
65.	F. No. 19/130/2003-RE Development of a Road dust collecting system	Dr. L K Bandopadhyay and Dr. S K Chaulya, Central Mining Research	19.02.2008 3 Year	31,70,895	

		Institute, Council of Scientific and Industrial Research, Barwa Road, Dhanbad-826001, Jharkhand			
66.	F. No. 19/4/2007-RE Assessment of environmental quality with respect of chemical and radiological contamination in the vicinity of thermal power plants in Delhi,	Dr. P S Khillare, School of Environmental Sciences, Jawaharlal Nehru University, New Delhi-110067	27.02.2008 3 Year	27,68,556	
67.	19-6/2007-RE Photocatalytic degradation of organic pollutants from industry waste using heteropolytungstic acid – encapsulated nano-sized TiO ₂ supported nanoporous materials	Dr. S Anandan, Deptt. of Chemistry, National Institute of Technology, Tiruchirapalli	16.4.08	20,07,900	
68.	19-36/2006-RE Temporal and spatial variability of dissolved trace metals and organic carbon in the river Nethravati, Southwest Coast of India	Dr. K Balakrishna, Deptt. of Civil Engineering, Manipal Institute of Technology, Manipal-576104, Karnataka	24.04.08	24,66,980	
69.	19/10/2007-RE A study of gene-environmental interaction in preterm delivery cases with special reference to organochlorine pesticide levels in the north Indian population	Dr. B.D. Banerjee, University College of Medical Sciences & GTB Hospital, Dilshad Garden, Delhi.	30.4.08	32,00,910	
70.	19-14/2007-RE Bioconversion of cotton gin Waste to value-added Product	Dr. (Mrs.) Krishna Pramanik, Deptt. of Chemical Engineering, National Institute of Technology, Rourkela-769008, Orissa	01.05.2008	22,64,220	
71.	19-36/2007-RE Electroanalytic applications of organic inorganic composite ion exchange material for detection and determination of heavy metals and pesticides residue in water at micro level	Dr. Asif Ali Khan Deptt. Of Applied Chemistry, Faculty of Engg. & Tech, Aligarh Muslim University, Aligarh-202002	09.05.2008 3 Year	16,18,533	

72.	19-85/2007-RE River Water Quality Modelling Load from Coffee Processing Units Around Cauvery River Basin	Dr. B. Manoj Kumar Department of Environmental Engineering College Mysore-570006	11.06.2008 3 Year	18,54,720	
73.	19-46/2007-RE Development of a Bioleaching strategy for sustainable disposal and recycling of e-waste in India	Dr. Sudhir Syal Department of Bio-technology and Bio-informatics, JAYPEE University of Information Technology, Waknaghat, Solan, Himachal Pradesh – 173215	16.06.2008 3 Year	19,70,430	
74.	19-16/2007-RE Study on the polytene chromosome polymorphism in chironomids and their relation with pollution in aquatic bodies.	Dr. Trilochan Midya, Department of Zoology, Presidency College Kolkata, 86/1, College Street, Kolkatta-700073	23.06.2008 3 Year	23,40,000	
75.	19-40/2007-RE Detection & treatment of endocrine disrupters in wastewater & sludge using green technology	Dr. Rajeev Jain Department of Chemistry, School of Studies in Chemistry, Jiwaji University, Gwalior-474011	30.06.2008 3 Year	16,21,044	
76.	19/52/2007-RE Use of ground-Granulated- Blast-Furance-Slag (GGBFS) in Plain and Reinforced concrete.	Dr. Jagdish Prasad Department of Civil Engineering Indian Institute of Technology Roorkee Roorkee-247667	30.06.2008 3 Year	15,88,860	
