

International Division
List of Approved Projects during year 2010-11

Sl. No	File No. & Date of Sanction	Broad Area	Title of the Project	Indian Coordinator with full contact details	Amount Sanctioned In Rs.	Duration
Partner Country: Austria						
1.	INT/AUA/B MWF/P- 01/2011 03.03.2011	Total Reflection X-ray Fluorescence Spectrometry	Low atomic number element determination in environmental and actinide matrices using Vacuum and Synchrotron based TXRF	Misra Nand Lal, Dr., Scientist 'F', Bhabha Atomic Research Centre, Fuel Chemistry Division, Mumbai 400 085	3,48,600/-	2 Years
2.	INT/AUA/B MWF/P- 02/2011 03.03.2011	Agricultural Meteorology	Evapotranspiration measurement over agricultural fields using micrometeorological methods for efficient water resources management	Karipot Anandakumar, Mr., Reader, Dept. of Atmospheric and Space Sciences, University of Pune, Pune-411 007, Ganeshkind, Maharashtra, India	5,43,900/-	2 Years
3.	INT/AUA/B MWF/P- 03/2011 03.03.2011	Theoretical Computer Science	Parameterized Complexity of Local Search	Raman Venkatesh, Prof., The Institute of Mathematical Sciences, CIT Campus, Taramani, Chennai, 600 113, India	4,29,450/-	2 Years
4.	INT/AUA/B MWF/P- 04/2011 03.03.2011	Applied Mathematics (Natural Science)	Thermal Modeling & Cancer	Pardasani K. R., Dr., Prof. & Head of Maths Dept., MANIT, Bhopal	6,38,400/-	2 Years
5.	INT/AUA/B MWF/P- 05/2011 09.03.2011	Natural Science	Time-resolved optical and EPR spectroscopic studies of anions of C60 and similar	Das Ranjan, Dr., Associate Professor, Tata Institute of Fundamental Research, Chemical Sciences,	6,25,800/-	2 Years

			fullerenes	Homi Bhabha Road, Mumbai 400005		
6.	INT/AUA/B MWF/P- 06/2011 03.03.2011	Natural Science	The Interaction of Rare Earth Elements with Cadmium: Thermochemistry and Phase Equilibria of the Binary Systems Cerium-Cadmium and Praseodymium-Cadmium	Sridharan R., Dr., Indira Gandhi Centre for Atomic Research, Liquid Metals and Structural Chemistry Division, Chemistry Group, IGCAR, Kalpakkam-603102	4,36,800/-	2 Years
7.	INT/AUA/B MWF/P- 07/2011 09.03.2011	Natural Science(Biology)	Elucidation of Cellular Redox Homeostasis of Chickpea under Arsenic Stress	Tripathi Bhumi Nath, Dr., Asst. Prof. Department of Bioscience and Biotechnology, Banasthali University, Banasthali, 304022, Rajasthan	6,38,400/-	2 Years
8.	INT/AUA/B MWF/P- 08/2011 31.03.2011	Engineering	Ultra refined plain carbon dual phase steels developed using innovative thermomechanical processing technique	Chaudhari Gajanan P. Dr., Asst. Prof., Metallurgical and Material Engineering, Indian Institute of Technology, Roorkee-247667	6,38,400/-	2 Years
9.	INT/AUA/B MWF/P- 09/2011 09.03.2011	Biotechnology	Immunogenic responses of silk biomaterials used for cell based tissue engineering and regenerative medicine	Kundu S. C., Prof. Indian Institute of Technology, Biotechnology, Kharagpur-721 302	7,01,400/-	2 Years

10.	INT/AUA/B MWF/P- 10/2011 09.03.2011	Organic Electronics	Device Engineering and Circuit Design for Organic Transistors Fabricated using Hot-Wall Epitaxy	Rao V. Ramgopal, Prof., Annex Building, Electrical Engineering Department, IIT, Bombay, Powai, Mumbai-400076	5,12,200/-	2 Years
11.	INT/AUA/B MWF/P- 11/2011 09.03.2011	Astronomy & Astrophysics	Photospheric Triggered Waves and the Heating of the Chromosphere	Kariyappa R., Asst. Prof. Indian Institute of Astrophysics, Solar – Space Physics Division, Koramangala, 2nd Block, Bangalore 560034	4,36,800/-	2 Years
12.	INT/AUA/B MWF/P- 12/2011 03.03.2011	Design & Manufacturing Engineering	Development of Decision Support Models for Environmentally Conscious Design and Manufacturing of Products	Rao R. Venkata, Dr., Professor, Department of Mechanical Engineering, S.V. National Institute of Technology, Ichchanath, Surat – 395 007	3,86,400/-	2 Years
13.	INT/AUA/B MWF/P- 13/2011 09.03.2011	Material Science	Development of a novel class of wide band gap Thermoelectric Materials with Stannite Structure : Cu ₂ MSnQ ₄ (M=Zn, Cd; Q=S, Se)	Mallik Ramesh Chandra, Mr., Lecturer, Dept. of Physics, Indian Institute of Science, Bangalore – 560012	5,37,600/-	2 Years

Partner Country: Australia

14.	DST/INT/A US/P- 38/2011 13.02.2012	Marine Sciences (Workshop)	Preparing for climate change on marine systems in Australia and India	Dr.G. Syda Rao Director CMFRI, ICAR Post Box No: 1603 682018 Contact No. 91- 484-2394798 91- 9446344513 (FAX): 91-484-2394909 gsydarao@gmail.com	10,00,000/-	India/ Australia duration 1 week each
-----	--	--------------------------------------	---	--	-------------	---

				om		
15.	DST/INT/A US/P- 39/2011 08.09.2011	Marine Sciences	The changing risks posed by petroleum hydrocarbons in groundwater environments : multiphase fluid dynamics coupled to multispecies biodegradatio n	Dr. Indumathi M Nambi Assistant Professor Department of Civil Engineering Indian Institute of Technology Madras Sardar Patel Road Chennai 600036 Contact Phone No.: 044 22574289 (o) 9444687042 (M) Fax:044 22574252 indunambi@iitm.ac. in	39,26,000/-	3 years
16.	DST/INT/A US/P- 40/2011 03.10.2011	Earth Sciences	Hybrid Organometalli c Coordination complex Materials for Nonlinear Optics	Dr. Reji Philip Associate Professor Light and Matter Physics Raman Research Institute, C.V. Raman Avenue, Sadashiva Nagar, Bangalore, Karnataka – 560080 Email reji@rri.res.in	11,10,500/-	3 years
17.	DST/INT/A US/P- 41/2011 09.11.2011	Earth Sciences	Towards a unified East Gondwanalan d reconstruction and its implications for Himalayan Orogeny	Dr. Yatheesh Vadakkeyakath, Scientist 'C' Geological Oceanography Division National Institute of Oceanography (CSIR) Dona Paula, Goa – 403 004, Contact Phone No.:+91 (0) 832 2450563 (O),+91 (0) 9422415995 (M) Fax:+91 (0) 832 2450 602 yatheesh@nio.org	17,80,220/-	2 years
18.	DST/INT/A US/P- 42/2011 11.08.2011	Nanotechnology	Characterizati on of the seismic cycle in the central	Prof. Kusala Rajendran Associate Professor Centre	28,26,560/-	3 years

			Himalayan seismic gap using precise U-Th dating of deformed speleothems	for Earth Sciences at Indian Institute of Science, Bangalore 560 012 Contact Phone No. (O) 91-080-22932633 & (M) 09632777476 Fax: 91-080-22933405 Email kusala@ceas.iisc.edu , rnet.in , kusala_05@yahoo.com		
19.	DST/INT/A US/P-43/2011 26.09.2011	Nanotechnology	Energy Conversion Reactions: Find Tuning of Electrochemical Activity through Surface Manipulation Guided by in situ Spectroscopic and – Microscopic Studies	Dr. Kanala Lakshminarasimha Phani (K.L.N.Phani), Scientist 'F' Electrochemical & Electrochemical Division (EEC) CSIR-Central Electrochemical Research Institute Karaikudi-630006 Contact Phone No. (o) & (M) :+91-4565-227555 Ext.228/441 Fax:+91-4565-227779 klphani@cecri.res.in ; kanalaphani@yahoo.com	19,44,400/-	3 years
20.	DST/INT/A US/P-44/2011 03.11.2011	Nanotechnology	New Generation Molecular Magnetic Materials : Experiment and Theory	Dr. G. Rajaraman Asst. Prof. Dept. of Chemistry, Indian Institute of Technology, Bombay, Powai, Mumbai- 400076, Maharashtra Contact No.: (O): +91-022-2576-7183 (M): +919833607183 Fax: 022-2576-7152	38,76,500/-	3 years

				rajaraman@chem.iitb.ac.in		
21.	DST/INT/A US/P- 45/2011 05.10.2011	Environment Sciences (including climate change research)	Securing chickpea productivity under contemporary abiotic stresses: improvement of podding and seed- filling under heat, drought and salinity	Dr. Vincent Vadez Principal Scientist Biotechnology – Crop Improvement ICRISAT, Patancheru 502324, Andhra Pradesh Contact Phone No. (o) & (M) :40 30 71 34 63 Fax: :40 30 71 30 74 v.vadez@cgiar.org	79,55,400/-	3 years
22.	DST/INT/A US/P- 46/2011 08.09.2011	Environment Sciences (including climate change research)	Highwall Mining Design and Development of Norms for Indian conditions	Dr. John Loui Porathur Scientist- E-II Regional Center, Unit-1, Nagpur Central Institute of Mining and Fuel Research III floor, MECL Building, Seminary Hills, Nagpur – 440006 Contact Phone No. (o): +91-712-2510611 (M) : +91- 9270800908 Fax: +91-712-2510611 johnlouip@yahoo.com ; johnlouip@gmail.com	32,25,600/-	3 years
23.	DST/INT/A US/P- 47/2011 26.08.2011	Agricultural Research	Improving our ability to predict plant distributions under changed climates: incorporating into predictions of species and community distributions	Prof. R. Sukumar Centre for Ecological Sciences (CES), Indian Institute of Science (IISc) Centre for Ecological Sciences, Bangalore 560012, Phone No. (O) & (M) : +918022933102 (O)	59,40,800/-	3 years

				+919448275600 (M) Fax:+91802360228 0 rsuku@ces.iisc.ernet.in		
Partner Country: Finland						
24.	INT/FINLA ND/P-01 19.09.2011	Green Chemistry	Green Methods towards pharmaceutica lly important hetero-cycles and cyclopentanoi ds	Dr. K. V. Radhakrishnan, Scientist, Organic Chemistry Section, National Institute of Interdisciplinary Science & Technology, Thiruvananthapura m	39,47,000/-	3 years
25.	INT/FINLA ND/P-02 10.03.2011	Green Chemistry	Synthesis of platform biofuels from renewable sources using acid modified supported ionic liquid catalysts	Dr. Dhanapati Deka, Associate Professor, Department of Energy, Tezpur University, Napaam, Tezpur- 784028, Assam	34,61,000/-	3 years
26.	INT/FINLA ND/P-03 29.08.2011	Green Chemistry	Sustainable Catalytic Synthesis of Chemical using Carbon Dioxide as Feedstock	Prof. Ganapati D. Yadav, Director (Vice Chancellor), Institute of Chemical Technology, Nathalal Parekh Marg, Matunga, Mumbai-400	37,15,000/-	3 years
27.	INT/FINLA ND/P-04 23.03.2011	Green Chemistry	Prof. Rajendra K. Saxena, University of Delhi, South Campus, Benito Juarez Road, New Delhi-110021	Prof. Matti Karp, Department of Chemistry & Bioengineering, Tempere University of Technology, Kampakatu, Finland	34,11,000/-	3 years
28.	INT/FINLA ND/P-05 19.09.2011	Green Chemistry	Dr. Paresh L. Dhepe, Scientist, Inorganic and Catalysis	Prof. Dmitry Yu Murzin, Laboratory of Industrial Chemistry and Reaction	24,38,000/-	3 years

			Division, National Chemical Laboratory, Dr.Homi Bhabha Road, Pashan, Pune-411 008	Engineering, Abo Akademy University, Finland		
Partner Country: Germany						
29.	NT/DAAD/ P- 197/2010 23.06.2010	Chemical Sciencess	Development of highly active and selective catalysts for oxidative dehydrogenati on of ethane to ethylene (ODH of ethane).	Sai Prasad P.S, Dr., Scientist-G, I & PC Division, Indian institute of Chemical Technology (IICT), Hyderabad -500 007	3,57,210/-	2 Years
30.	NT/DAAD/ P- 198/2010 28.06.2010	Physics	Charge state distribution of molecular beams using single and double stripping foils at the high voltage terminal area of the tandem accelerator.	Sundeeep Chopra, Dr., Scientist-G, AMS & Pelletron Group, Inter university Accelerator Centre, PB 10502, Aruna Asaf Ali Marg, Delhi -110067	4,17,900/-	2 Years
31.	INT/DAAD/ P- 199/2010 28.06.2010	Physics	Plasma based Thz generation using Femtosecond lasers.	Hitendra K Malik, Associate professor, Department of Physics, Indian Institute of Technology, New Delhi-110016	3,61,200/-	2 Years
32.	INT/DAAD/ P- 200/2010 23.06.2010	Life Sciences & Biotechnology	Validation and testing of novel bis- benzimidazole derivatives as modulators of radiation response in	Vibha Tandon, Dr., Associate Professor, Department of Chemistry, Mall Road, North Campus, University of Delhi, Delhi	4,32,600/-	2 Years

			human cells.			
33.	INT/DAAD/ P- 202/2010 23.06.2010	Chemical Sciences	Ab initio theory for adsorbtion in nanoporous materials.	Sourav Pal, Dr., (Head of Physical Chemistry Department), National Chemical Laboratory, Pune	4,07,400/-	2 Years
34.	INT/DAAD/ P- 203/2010 08.07.2010	Life Scinces & Biotechnology	Proteomic multilevel nutrient – sensing pathway in silkworm Bombyx mori.	Krishnan M, Dr., Professor & Head , Environmental Biotechnology, Bharathidasan University, Tiruchirappalli – 620 024 Tamil Nadu	4,99,800/-	2 Years
35.	INT/DAAD/ P- 204/2010 24.06.2010	Chemical Sciences	Novel structural and spectral investigation of rare earth doped nanosized composite oxides for catalytic applications.	Benjaram M. Reddy, Dr., Deputy Director, Inorganic & Physical Chemistry, Indian Institute of Chemical Technology (IICT), Hyderabad - 500 607	3,44,400/-	2 Years
36.	INT/FRG/D FG/P- 26/2010 27.09.2010	Materials & Engineering	Vascular complications of type 2 diabetes: tyrosine phosphorylato n of the endothelial nitric oxide synthase (eNOS)	Madhulika Dixit, Dr., Assistant Professor, Department of Biotechnology, Indian Institute of Technology Madras, Chennai- 600 036	15,91,800/-	2 Years
37.	INT/FRG/D FG/P- 27/2010 23.08.2010	Medical Sciences	Study on the detailed micro- structural characteristics of Laser Cladding in terms of their porosity, dilution of alloying elements and	Khanna A S, Prof, Department of Metallurgical Engineering & Material Science, Indian Institute of Technology, Powai, Mumbai – 400076	4,48,800/-	2 Years

			stresses in the laser Melted zone using FIB			
38.	INT/FRG/D FG/P- 28/2010 22.09.2010	Material Science	Characterization of Multi-core Processors for Power-Estimation at System-level (CoMPESys)	M. Balakrishnan, Prof. Dr. Indian Institute of Technology Delhi (IIT Delhi), Hauz Khas, New Delhi, 110 016	15,52,400/-	2 Years
39.	INT/FRG/D FG/P- 29/2010 16.08.2010	Maths & IT	Charge and electron transfer in asymmetrical mixed-valent compounds	Goutam Kumar Lahiri, Prof. Dr. Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai-400076	9,26,200/-	2 Years
40.	INT/FRG/D FG/P- 30/2010 09.09.2010	Chemical Sciences	Neutrinos as Precision Probes of Particle Physics, Cosmology and Astrophysics	Sandhya Choubey, Dr., Harish–Chandra Research Institute, Chhatnag Road, Jhansi 211019 Allahabad	20,99,600/-	2 Years
41.	INT/FRG/D FG/P- 31/2010 09.09.2010	Physics	Role of estuarine biogeochemistry on abundance and types of Vibrio cholerae in West Bengal: seasonality and relation with cholera incidence	Gopinath Balakrish NAIK, Prof. Dr. National Institute for Cholera and Enteric Diseases, P-33, CIT Road, Scheme XM, Beliaghata, Kolkata 700010	15,09,600/-	2 Years
42.	INT/FRG/D FG/P- 32/2010 09.09.2010	Medical Sciences	Molecular mapping of QTL and candidate genes governing phytosterol content in	Deepak Pental, Prof., Dr., University of Delhi, South Campus, Department of Genetics, New Delhi	20,31,920/-	2 Years

			winter oilseed rape (Brassica Napus) and indian mustard (Brassica juncea)			
43.	INT/FRG/D FG/P- 33/2010 22.09.2010	Life Sciences & Biotechnology	Combining Bimetallic Scaffolds and Metal-Coordinated Phenoxy Radicals for Multi-Electron Transformations: A Step Beyond Nature	R. N. Mukherjee, Prof. Dr. Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur – 208 016	14,39,600/-	2 Years
44.	INT/FRG/D FG/P- 34/2010 28.09.2010	Chemical Sciences	Role of soluble adenylyl cyclase in ischemia-reperfusion-induced brain injury	Dr. M. Godbole, Prof. Dr. Sanjay Gandhi Postgraduate Institute of Medical Sciences, Dept. of Endocrinology, Lucknow 226014	18,34,800/-	2 Years
45.	INT/FRG/D FG/P- 35/2010 22.09.2010	Medical Sciences	Microwave processing, characterization and modeling of metal powder compacts.	M. Jaleel Akhtar, Dr.-Ing, Assistant Professor, 326 ACES, Department of Electrical Engineering, Indian Institute of Technology Kanpur (IITK), Kanpur, U.P. - 208016	22,30,880/-	2 Years
46.	INT/FRG/D FG/P- 36/2010 03.09.2010	Engineering	Derandomizing Polynomial Identity Testing and the Isolation Lemma Derandomizing Polynomial Identity Testing and the Isolation Lemma1	Manindra Agrawal, Prof. Dr. Department of Computer Science and Engineering, Indian Institute of Technology Kanpur, Kanpur 208016	8,89,600/-	2 Years

Partner Country: Japan

47.	DST/INT/J SPS/P- 108/2011 18.05.2011	Molecular Science and Development	Gas Phase Electronic Spectroscopic study of the Ionic Liquids	Prof. Anunay Samanta, School of Chemistry, University of Hyderabad- 500 046 Contact No.: 040-23134813 Fax: 040-23011594 anunay.samanta@gmail.com ; assc@uohyd.ernet.in	4,64,000/-	2 years
48.	DST/INT/J SPS/P- 109/2011 30.05.2012	Molecular Science and Development	Examination of carrier dynamics in organic materials with advanced spectroscopic method	Dr. Siva Umopathy, Dept of Inorganic and Physical Chemistry Indian Institute of Science (IISc) Bangalore- 560 012 Contact Phone No. off:080 – 2293 2595 (M) Fax: 91-80- 23601552 umopathy@ipc.iisc.ernet.in	5,22,900/-	2 years
49.	DST/INT/J SPS/P- 110/2011 19.05.2011	Molecular Science and Development	Structural studies on withanolides to unravel the molecular mechanism of their anti- cancer and anti-aging activities in human cells	Dr. K. Sekar, Principal Research Scientist, Bioinformatics Indian Institute of Science, Bangalore- 560 012 Contact No. (O): +91-80-22933059 (M):+9845626227 Fax: +91-80- 23600683 sekar@physics.iisc.ernet.in	4,43,100/-	2 years
50.	DST/INT/J SPS/P- 111/2011 19.05.2011	Advanced Material	Engineering the shape and the properties of nanoparticles	Dr. Devesh Kumar Avasthi, Scientist 'H', Material Science Group Inter University	3,52,000/-	2 years

			by swift heavy ions	Accelerator Centre, New Delhi-110067 Contact Phone No. (O) & (M) +91-11- 26893955 Fax: +91-11-26893666 dka@iuac.ernet.in ; dka4444@gmail.com		
51.	DST/INT/J SPS/P- 112/2011 26.08.2011	Advanced Material	Fabrication and Characterization of Ultraviolet (340-400 nm) Light Emitting Diodes based on Heterojunctions of Electrochemically grown n- ZnO nanorods and p-type Organic Materials	Prof. P.K.Bhatnagar, Electronic Science University of Delhi South Campus, Benito Jaurez Road, New Delhi- 110021 Contact Ph. No.011-24116718, Fax: 011-24115270 pramod48@rediffmail.com	4,93,500/-	2 years
52.	DST/INT/J SPS/P- 113/2011 16.05.2011	Advanced Material	Investigation on organic electrode materials for polymer electronics using EFISHG	Dr. D. Kumar, Dept of Applied Chemistry Delhi Technological University, Delhi, Shahbad Daulatpur, Main Bawana Road, Delhi-110042 Contact Phone No. (o) & (M) : 9811425817 Fax: 011-27871023, dkumar@dce.ac.in ; drdkumar@yahoo.co.uk	4,02,000/-	2 years
53.	DST/INT/J SPS/P- 114/2011 30.05.2011	Advanced Material	Effect of static recovery on yielding and work- hardening behavior of bulk nanostructure	Dr. Pinaki Prasad Bhattacharjee, Material Science and Engineering Indian Institute of Technology Hyderabad, Ordinance Factory	3,87,000/-	2 years

			d Al-Mg-Sc/Zr alloys	Estate Yeddumailaram 502205 Contact Ph. No. (O) +91 40 2301 6069 & (M)+ 918121091743 Fax: +91 40 2301 6003 pinakib@iith.ac.in		
54.	DST/INT/J SPS/P- 115/2011 11.05.2011	Advanced Material	Morphology Control of Organic Materials for Nanobio and Electronic Devices”	Dr. Rajiv Prakash, Associate Professor and Coordinator School of Material Science and Technology, Institute of Technology, Banaras Hindu University, Varanasi-221005 Contact Ph. No.: 09935033011 Fax: 0542-2368707 rajivprakash12@yahoo.com ; rpitbhu@gmail.com	5,11,350/-	2 years
55.	DST/INT/J SPS/P- 116/2011 09.11.2011	Modern Biology and Biotechnology	Studies on the role of liver- secreted exosomes as mediator of Hepatites B virus- induced hepatocellular carcinoma	Dr. Vijay Kumar, Staff Research Scientist, Virology Group International centre for Genetic engineering and Biotechnology New Delhi, P.O. Box No. 10504 Aruna Asaf Ali Marg New Delhi 110067 vijay@icgeb.res.in	2,05,800/-	2 years
56.	DST/INT/J SPS/P- 117/2011 20.07.2011	Modern Biology and Biotechnology	The physiological roles of ferredoxin isoforms of E.histolytica: Fe-S clusters assembly, anti-oxidant mechanism by RNAi & in- silico	Dr. Vahab Ali, Scientist ‘C’, Biochemistry Rajendra Memorial Research Institute of Medical Sciences (ICMR), Patna, Bihar - 800007 Contact No.(O) & (M) 09304184301 Fax:0612-2634379	3,40,000/-	2 years

			identification of their ligands	vahab_ali@yahoo.com		
57.	DST/INT/J SPS/P- 118/2011 20.07.2011	Modern Biology and Biotechnology	Identification, assessment and characterization of E3 Ubiquitin ligases and molecular chaperones implicated in Neurodegenerative diseases	Dr. Amit Mishra, Assistant Professor Cellular and Molecular Neuroscience Lab (ICT in Health), Indian Institute of Technology Rajasthan, Jodhpur- 342 011 Contact Ph. No.: +917665144555 Fax: +912912516823 amishra.mpi@gmail.com	5,56,000/-	2 years
58.	DST/INT/J SPS/P- 119/2011 04.07.11	Modern Biology and Biotechnology	Towards to clarify the appearance of the cataract - The study of new method of protein-protein interaction in the lens.	Dr. K. Anbarasu Assistant Professor, Department of Marine Biotechnology Bharathidasan University, Tiruchirappalli-620 024 Contact Phone No.+91 9047374606 Fax: +91-431-2407045 anbubdu@gmail.com	4,46,600/-	2 years
59.	DST/INT/J SPS/P- 120/2011 28.06.11	Modern Biology and Biotechnology	Growth factors in Proteomic and	Dr. P.S.Pameswara Gupta, Scnior Scientist, Animal Physiology National Institute of Animal Nutrition and Physiology Adugodi, Bangalore 560 030 Contact Phone No. (O) & (M) : 08025711164,8105 569496 Fax:080257 11420 pspgupta@hotmail.com	5,54,000/-	2 years

60.	DST/INT/J SPS/P- 121/2011 28.06.11	Modern Biology and Biotechnology	Cell Type Specific Network for Pathogens	Dr. Agepati S. Raghavendra, Dept. of Plant Sciences University of Hyderabad, School of Life Sciences, Hyderabad-500046 Contact No.: (O) & (M): +91-40- 23010630 Fax: +91-40-23010120 as_raghavendra@yahoo.com ; asrsl@uohyd.ernet.in	6,44,000/-	2 years
61.	DST/INT/J SPS/P- 122/2011 13.07.11	Modern Biology and Biotechnology	Food and Pharmaceutical applications of carotenoids and their metabolites with reference to their biofunctionality	Dr. V. Baskaran, Biochemistry and Nutrition Department Central Food Technological Research Institute Biochemistry and Nutrition Mysore- 570 020 Contact Phone No. : +91 821 2514876 Fax No. : +91 821 2517233 (<i>Write attn. : V. Baskaran B&N</i>) E-mail: basrev@yahoo.co.in	5,55,000/-	2 years
62.	DST/INT/J SPS/P- 123/2011 13.07.11	Modern Biology and Biotechnology	Molecular aspects aerobic bacteria bioreactor for selenate/selenite bioremediation	Dr. N.Tejo Prakash, Environmental Science Thapar Technology Centre Patiala 147004 ntejo Contact Phone No. (O) (M): +91-9872043262 ntejoprakash@thapar.edu	3,65,925/-	2 years
63.	DST/INT/J SPS/P- 124/2011 02.01.11	Modern Biology and Biotechnology	Circadian Modifications in Cancer Progression	Dr. Durga Prasad Mishra, Central Drug Research Institute, Lucknow Contact No. Ph.: 0522-2612411-18 Ext. : 4481 & M: +91 9793125600 Fax: +91-0522- 2623405	4,58,000/-	2 years

				dpm@cdri.res.in		
64.	DST/INT/J SPS/P- 125/2011 27.05.2011	Modern Biology and Biotechnology	Prediction and validation of cis-acting regulatory elements in the genome of cyanobacteriu m <i>Synechocystis</i> sp.PCC6803	Dr J. S. S. Prakash, University of Hyderabad Contact Phone No. : 00-91- 40-23134505; Fax: 00-91-40-23010120 syamsunderp@yahoo.com ; jsspsl@uohyd.ernet.in	3,00,000/-	2 years
65.	DST/INT/J SPS/P- 126/2011 04.08.2011	Manufacturing Science	New Nano fabrication process for functional surface/functio nal material development	Dr. S. Aravindan, Indian Institute of Technology, New Delhi Contact Ph. No. + 91-11- 26596350 Fax: +91-11 2658 2053 aravindan@mech.iitd.ac.in ; pvrao@mech.iitd.ac.in	4,99,800/-	2 years
66.	DST/INT/J SPS/P- 127/2011 12.07.2011	Astronomy Astro Physics	Coherent multi-detector gravitational wave search using LCGT and advanced interferomete rs	Dr. Archana Pai, Indian Institute of Science Education and Research, Trivandrum (IISER- TVM) Contact Ph. : (O) +91-471- 2599423 Fax :+91- 471-2597442 archana@iisertvm.ac.in	5,46,000/-	2 years
67.	DST/INT/J SPS/P- 128/2011 11.08.2011	Surface, Interface	Effect of competing mechanical and electromagneti c perturbation on formation of surface cracks	Dr. Sujata Tarafdar, Jadavpur University, Kolkata Contact Phone No. (o) & (M) : +91 33 2413 8917 Mob. +919830724535 Fax: +91 33 2413 8917 sujata_tarafdar@hotmail.com ; sujata@phys.jdvu.ac.in	3,91,400/-	2 years
68.	DST/INT/J SPS/P- 129/2011	Surface, Interface	Structure Studies of Electric	Dr. S.K. Mehta , Punjab University, Contact Phone No.	3,50,000/-	2 years

	30.05.2011		Double Layer of Organized Amphiphile films Using Total Reflection Xafs	: +91-172-2534423 (O) & +91-9417786061 (M) Fax: +91-172-2545074 skmehta@pu.ac.in		
69.	DST/INT/J SPS/WS-1/2011 28.07.2011	Advanced Material (Workshop)	Biomolecular Electronics and Organic Nanotechnology Technology for Environment Preservation	Dr. Bansi D. Malhotra, Dept of Science & Technology Biomedical Instrumentation Section, Materials Physics & Engineering Division, National Physical Laboratory Dr. K.S.Krishnan Marg, New Delhi-110012, Phone: 91-11-45609152, Fax: 91-11-45609310 E-mail- bansi.malhotra@gmail.com	7,30,000/-	Dec.7-10, 11
70.	DST/INT/J SPS/WS-2/2011 08.09.2011	Molecular Science and Development (Workshop)	India-Japan Conference On Graphene and Related Material	Prof. Swapan K Pati , Theoretical Section Unit JNCASR, Bangalore- 560064 Contact No.: 91 8022082839; 918022082767 pati@jncasr.ac.in	5,40,000/-	Sep. 7-9, 11
Partner Country: Mexico						
71.	INT/MEX/R PO-03/08 14/6/2010	Earth Systems Sciences	Predicting Tsunami Recurrence Along Southeast Coast of India and Southwest Coast of Mexico Based on Field Studies and	Dr.CP Rajendran, Centre for Earth Sciences, Indian Institute of Science, , Bangalore-560 012 Tel: 080-2293 3402 cprajendran@ceas.iisc.ernet.in	6,04,800/-	3 Years

			Sediment Characteristics			
Partner Country: Norway						
72.	INT/NOR/ RCN/P- 01/2011 04.05.2011	Climate Research	Impact of climate and land use change on hydrological response (surface & sub-subsurface) of Beas basin (up to Pandoh dam)	Dr. M K Kansal, Professor, Dept. of Water Resources Development & Management, Indian Institute of Technology Roorkee, Roorkee-247667	32,73,160/-	3 Years
73.	INT/NOR/ RCN/P- 02/2011 04.05.2011	Climate Research	Design and Development of functional foods from Agri-and Marine waste for value addition	Dr. Purnima Kaul Tiku, Scientist, Protein Chemistry & Technology, Central Food Technological Research Institute, Mysore-570020	36,33,520/-	3 Years
74.	INT/NOR/ RCN/P- 03/2011 04.05.2011	Renewable Energy	In-silico design and mechanistic studies of clean energy	Dr. Debashis Mukherjee, Chair Professor, Raman Centre for Atomic, Molecular & Optical Sciences (RCAMOS), Indian Association for the Cultivation of Science, 2 A&B, Raja S C Mullick Road, Jadavpur, Kolkata-700032	36,96,880/-	3 Years
Partner Country: Portugal						
75.	INT/Portugal/P-01/09 15.12.2010	Engineering	Thermo-mechanical Simulations of Elasto-Plastic Fracture Mechanics Problems Using X-FEM and Meshless	Dr. Indira VirSingh Indian Institute of Technology- Roorkee Roorkee-247 667 Tel:01332-285888 Fax:01332-285665 E-mail: ivsingh@gmail.com	4,57,600/-	3 Years

			Methods			
76.	INT/Portugal/P-04/09 27.12.2010	Materials	Investigations on the properties and optimization of the materials for room temperature magnetic refrigeration	Prof. Tapas KumarDey Cryogenic engineering Centre Indian Institute of Technology Kharagpur721 302 Tel:03222-283584 Fax:03222-2258 E-mail: tapasdey@hijli.iitkgp.ernet.in	4,03,700/-	3 Years
77.	INT/Portugal/P-05/09 09.12.2010	Health sciences	Novel Targeted Chitosan-Based Therapeutic Polymeric Nanomedicines for Lung Cancer Applications.	Dr. Rangasamy Jayakumar Amrita Centre for Nanosciences Amrita Institute of Medical Sciences and Research Centre Cochin682 026 Tel:0848-4001234 Fax:4842802020 E-mail: rjayakumar@aims.amrita.edu	4,31,200/-	3 Years
78.	INT/Portugal/P-06/09 03.12.2010	Physics	Nano-scale composites gas sensors based on Graphene and Hydroxyapatite	Prof. RS Khairnar School of Physical Sciences SRTMU Nanded 431606 Tel:02462252141 Fax:02462229559 E-mail: rskhairnar@srtmun.ac.in	5,03,800/-	3 Years
79.	INT/Portugal/P-08/09 03.02.2011	New Materials	Picometer detection & measurement of displacement in Piezoelectric MEMS structures for transducer applications.	Dr. Sudhindra B.Sant Department of Metallurgical and Materials Engineering, Indian Institute of Technology Kharagpur 721302 Tel:03222-283270 Fax:03222-282280 E-mail: sbsant@metal.iitkgp.ernet.in	3,89,500/-	3 Years

80.	INT/Portugal/P-09/09 11.01.2011	Physics	Development and Characterization of Chemically Functionalized Single and Multi Walled Carbon Nanotube - Thermoplastic Composites'	Prof. PK Bhatnagar Department of Electronic Science, University of Delhi South Campus Benito Juarez Road, New Delhi110 021 Tel:24116718 Fax:24115270 Email: promod48@rediffmail.com	4,31,200/-	3 Years
81.	INT/Portugal/P-10/09 07.01.2010	Physics	Growth of organic crystals by modified Vertical Bridgman technique and their pragmatic prospects as nonlinear optical materials	Dr. P.Srinivasan Dept. of Physics, Panruti Campus, Gandhi Nagar, Anna University Tiruchirappalli 607 308 Tel:041422251135 Fax:041422251136 E-mail: sriniphys@au.edu.in	4,14,700/-	3 Years
82.	INT/Portugal/P-12/09 27.12.2010	Physics	Crystal Growth Vibrational Studies and Non-Linear Optical properties of Tartrates	Dr. Ramamurti Nagalakshmi Dept. of Physics NIT Trichirappali 620015 Tel:0431 2503615 Fax:0431 2500133 E-mail: nagalakshmi@nitt.edu	4,64,200/-	3 Years
83.	INT/Portugal/P-13/09 09.12.2010	Engineering	Multi-Objective Multidisciplinary Design Optimization System	Dr. Kalyanmoy Deb Indian Institute of Technology Kanpur 208016 E-mail: deb@iitk.ac.in	4,82,020/-	3 Years
84.	INT/Portugal/P-14/09 25.03.2011	Engineering	Development of a Heat Transfer Model for Reheat Furnaces to increase Performance	Dr. Prabal Talukdar Dept. of Mechanical Engineering, Indian Institute of Technology Hauz Khas, New Delhi 110016 Tel:26596337	4,31,200/-	3 Years

			and Efficiency	Fax:26582053 Email: prabal.talukdar@gmail.com		
85.	INT/Portugal/P-15/09 27.01.2011	New Materials	Development of geopolymer building materials through mechanical activation of Construction & Demolition waste	Dr. Sanjay Kumar National Metallurgical Laboratory Jamshedpur 831007 Tel:0657-2345049 Fax:0657-2345213 Email: sanjay_kumar_nml@yahoo.com	4,46,600/-	3 Years
86.	INT/Portugal/P-16/09 11.01.2011	Biotechnology	Biological Treatment (anaerobic/aerobic) of pulp and paper industry waste water with special reference to genotoxicity of waste before and after treatment	Dr. Abdul Malik Dept. of Agricultural Microbiology Faculty of Agricultural Sciences Aligarh Muslim University Aligarh 202 002 Tel:0571-2703516 E-mail ab_malik30@yahoo.com	4,57,600/-	3 Years
87.	INT/Portugal/P-17/09 19.01.2011	Health sciences	Preservation and use of adult stem cells and the use of biomaterial scaffolds for clinical applications	Dr. VS Sangwan LV Prasad Eye Instt. Banjara Hills Hyderabad 500034 Tel:040 30612611 Fax:0402354 8271 E-mail: vsangwan@lvpei.org	4,18,000/-	3 Years
88.	INT/Portugal/P-18/09 15.12.2010	Agriculture	Transcriptional mechanisms underlying photosynthetic response to drought in rice	Dr. Baishnab C.Tripathy School of Life Sciences Jawaharlal Nehru University New Delhi 110 067 Tel:26704524 Fax:26717558 aishnabtripathy@yahoo.com	3,88,300/-	3 Years
89.	INT/Portugal/P-19/09 10.02.2011	Fiber optics	Fiber grating and active fiber based	Dr. Somnath Bandopadhyay Fiber Optics &	4,16,900/-	3 Years

			refractometric sensors for detection of biological and chemical species	Photonics Division Central Glass & Ceramic Research Institute, SC Mullick Road, Kolkatta-700 032 Tel:033-24838083 Fax:033-24730957 Email somnath@cgcri.res.in		
90.	INT/Portugal/P-20/09 28.12.2010	Biotechnology	MEDSURF - The potential use of biosurfactants for medical applications	Dr. Ramakrishna Sen Dept. of Biotechnology Indian Institute of Technology (IIT) Kharagpur 721302 Tel:03222-283752 Fax:03222-278707/255303 Email: rksen@yahoo.com	4,14,700/-	3 Years
91.	INT/Portugal/P-21/09 28.12.2010	New Materials	Helices from cellulose based nano and micro materials for electromechanical devices	Dr. Sombrata Acharya Scientist Institution's Address: Centre for Advance Materials Indian Association for the Cultivation of Science J Jadavpur, Kolkata 700032 Tel:033-24734971(ext.104) Fax:033-24732805 E-mail: camsa2@iacs.res.in	3,88,300/-	3 Years

Partner Country: Russia

92.	INT/RFBR/P-071 28.07.10	Inorganic Chemistry	Dichalcogenolate complexes of carboranes & metallocarboranes as structure determining ligands in coordination &	Dr. V K Jain, Bhabha Atomic Research Centre, Mumbai Tel. (022)25595095, Email jainvk@barc.gov.in	12,86,620/-	Two Years (28/7/10-28/7/12)
-----	-----------------------------------	---------------------	---	--	-------------	-----------------------------

			supramolecular chemistry			
93.	INT/RFBR/ P-072 14.06.10	Material Science	Nanoscale atomic & electronic structure of semiconducting materials irradiated by swift ions: multiscale modelling & synchrotron studies	Dr. K Ashokan, Inter University Accelerator Centre, New Delhi, Tel (011) 26893955, 26137727 Email asokan@iuac.ernet.in , asokan42@gmail.com	9,74,300/-	Two Years (14/6/10-14/6/12)
94.	INT/RFBR/ P-073 8.07.2010	Chemistry, Informatics, Engineering Science	Research of Chemical Sensor System in plant Extracts- A case study with Black Tea	Dr. Nabarun Bhattacharya C-DAC, Kolkata Mob. 9831066791 Email nabarun.bhattacharya@cdackolkata.in	15,33,020/-	Two Years (8/7/10-8/7/12)
95.	INT/RFBR/ P-074 2.06.2010	Physics & Astronomy	Gas & star formation in the lowest mass galaxies	Dr. Jayaram N Chengalur, NCRA/TIFR Pune University Campus Tel. 91-20-25719248/25697257 Email. chengalur@ncra.tifr.res.in	6,20,900/-	Two Years (2/6/10-2/6/12)
96.	INT/RFBR/ P-075 24.06.2010	Geology	Deep Geoelectrical studies of India- Eurasia collision zone: Regional MT profile in Uttarakhand Himalayas.	Prof. M Israil, IIT Roorkee Tel. (0091)1332-285078 Email mohdfes@iitr.ernet.in , mohammad.israil@gmail.com	13,90,540/-	Two Years (24/6/10-24/6/12)
97.	INT/RFBR/ P-076 23.06.2010	Physics	Investigation of effect of physiochemical parameters and magnetic field on nanofiltration of non-Newtonian fluids through	Prof. Manju Aggarwal, Department of Physics & Astronomy, University of Lucknow-226007 Tel. (+91)-522-2331742 Email. manjuak@yahoo.c	Rs.7,37,500/-	Two Years (23/6/10-23/6/12)

			complex porous membranes	om		
98.	INT/RFBR/ P-077 29.06.2010	Mathematical & Computer Sciences	Mobile Intelligent Wireless Sensor Networks: Control & Optimization	Soumyendu Raha, Supercomputer Education & Research Centre, Institute Of Science, Bangalore Tel. 080-22932791, 23600654 Email. raha@serc.iisc.ernet.in	14,37,540/-	Two Years (29/6/10-29/6/12)
99.	INT/RFBR/ P-078 7.07.2010	Physics & Astronomy	Structure, magnetic state & entropy of the martensitic phase of Heuser Ni-Mn-X alloys	Dr. Shubham Majumdar, Dept. Of Solid State Physics, Indian Association for the Cultivation of Science, Kolkata Tel. (033)24734971 Email sspsm2@iacs.res.in	12,86,000/-	Two Years (7/7/10-7/7/12)
100	INT/RFBR/ P-079 7.07.2010	Earth Sciences	Study of an energy exchange between wind & waves & variability of their climate characteristics in the Indian Ocean	Dr. S A Sannasiraj, IIT Madras Tel (044)22574817 Email sasraj@iitm.ac.in	11,76,620/-	Two Years (7/7/10-7/7/12)
101	INT/RFBR/ P-080 8.07.2010	Mathematics, Mechanics & Informatics	Mathematical modelling of materials & structure their deformation & fracture processes	Prof. N K Gupta, Department of Applied Mechanics, IIT Delhi Tel (011)26591178 Email nkgupta@am.iitd.ac.in	7,05,900/-	Two Years (8/7/10-8/7/12)
102	INT/RFBR/ P-081 28.07.2010	Chemistry	Principals of nanoarchitectures formation on the basis of alumina and titania & their interrelation with catalytical	Dr. Sursh Kumar Aggarwal, Fuel Chemistry Division BARC, Mumbai Tel (022)25593740 Email skaggr2002@rediffmail.com	6,77,250/-	Two Years (28/7/10-28/7/12)

			& adsorption properties			
103	INT/RFBR/ P-082 6.09.2010	Biology & Medical Sciences	Evaluation of p53-CXCL13 cross talk in Breast Cancer	Dr. Arindam Bhattacharya, University of Calcutta, Kolkata Tel 91-33-24615445 Ext-286 Email aruindam19@yahoo.com	19,46,620/-	Two Years (6/9/10-6/9/12)
104	INT/RFBR/ P-083 1.09.2010	Approved/ Chemistry/ 31/12/09	Novel approaches to annulation: Ssynthesis of condensed heterocyclic system containing various combinations of 5- & 6-membered rings & chalcogens & Nitrogen atoms	Prof. K.K Bhasin, Department of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh Tel (0172)2534407 Email kkbhasin@pu.ac.in	6,77,900/-	Two Years (1/9/10-1/9/12)
105	INT/RFBR/ P-084 7.09.2010	Approved/ Materials Science & Technology/ 29/1/10	Preparation & Characterization of silicon for solar energy applications	Dr. Krishan Lal, National Physical Laboratory, New Delhi Tel (+91)11-45609104, 45608513 Email klal@nplindia.org	47,12,540/-	Two Years (7/9/10-7/9/12)
106	INT/RFBR/ P-085 17.03.2011	Biology and Medical Sciences	Characterization of the role of C-Methylated spermidine analogues on polymine and trypanothione biosynthesis in antimony susceptible/resistant strains of Leishmania donovani.	Prof. Rentala Madhubala, Jawaharlal Nehru University, New Delhi-110067 Tel 26742630 Email madhubala@mail.jnu.ac.in	8,81,900/-	Two Years (17/3/11-17/3/13)

107	INT/RFBR/ P-086 Not Processed	Mathematical Sciences	Mathematical modelling of challenging problems using high performance computing system	Dr. V. Sundararajan, Centre for Development of Advanced Computing (C- DAC) Tel (020)25704100/ 25704230 Email vsundar@cdac.in	Not Processed	Not Processe d
108	INT/RFBR/ P-087 23.09.2010	Physics & Astronomy	Self-organized nanostructure s & thin films of organic materials compatible with Si-based semiconductor systems.	Prof. Vijay Kumar, Dr. Vijay Kumar Foundation, 1969, Sector-4, Gurgaon, Haryana-122001 Tel (0124)4079369 Email kumar@vkf.in	1,85,850/-	Two Years (23/9/10- 23/9/12)
109	INT/RFBR/ P-088 12.11.2010	Mathematics	Higher Composition Laws, algebraic K- Theory, & algebraic groups	Prof. Ravi A. Rao, Tata Institute of Fundamental Research, Dr. Homi Bhabha Road, Mumbai, 400005 Tel (091)-22- 22782470 Email ravi@math.tifr.res.in	5,43,900/-	Two Years (12/11/10 - 12/11/12)
110	INT/RFBR/ P-089 12.11.2010	Biology	Construction of regulatory networks in Mycobacteriu m tuberculosis analysis of gene expression data & transcription regulation predictions	Shekhar C. Mande, Centre for DNA Fingerprinting & Diagnostics, Bldg 7, Gruhakalpa, 5-4- 399/B, Nampally, Hyderabad 500001, India Tel (+91)-40- 24749401 Email shekhar@cdfd.org.in	25,81,540/-	Two Years (12/11/10 - 12/11/12)

Partner Country: Spain

111	DST/INT/S pain/P- 1/2009 20.07.2010	Agriculture Technology and Food Processing	Role of thiol and nitric oxide metabolism mediated pathways in	Dr. Rudra D Tripathi Ecotoxicology & Bioremediation Laboratory, National Botanical	31,40,000/-	3 years
-----	---	---	---	---	-------------	---------

			arsenic stress in higher plants	Research Institute, Lucknow-226 001 Tel: +91-522-2297825 Fax: +91-522-2205836 Email: tripathi_rd@rediffmail.com		
112	DST/INT/S pain/P-2/2009 15.06.2010	Agriculture Technology and Food Processing	Biotization of medicinal and aromatic plants with selected arbuscular mycorrhizal fungi. Implications on plant growth and active principles quality and yield	Dr Alok Adholeya Biotechnology and Management of Bioresources Division, The Energy and Resources Institute (TERI), Darbari Seth Block, India Habitat Centre Complex, Lodhi Road, New Delhi 110 003 Tel: (+9111) 24682100/41504900 Fax: (+9111) 24682144/24682145 Email: aloka@teri.res.in	39,14,400/-	3 years
113	DST/INT/S pain/P-3/2009 21.05.2010	Agriculture Technology and Food Processing	Bioprospecting of endophytic fungi of medicinal plants for its pesticidal activity	Dr. Nutan Kaushik Environmental and Industrial Biotechnology, The Energy and Resources Institute, Darbari Seth Block, India Habitat Centre, Lodhi Road, New Delhi-110003 Tel: (+91 11) 2468 2100/41504900 Fax: (+91 11) 2468 2144/24682145 Email: kaushikn@teri.res.in	41,85,500/-	3 years

114	DST/INT/S pain/P- 4/2009 21.05.2010	Information Technology	Degradation and breakdown of metal gate/High-K/III- V semiconductor structures	Dr. Chinmay K.Maiti Department of Electronics and ECE, Indian Institute of Technology, Kharagpur 721302 Tel: +91 3222 283532/281475 Fax: +91 3222 255303 Email: ckm@ece.iitkpgp.net.in	32,36,860/-	3 years
115	DST/INT/S pain/P- 5/2009 25.05.2010	Information Technology	Front-end signal processing for robust speech recognition and speaker adaptation/nor malization	Prof.S.Umesh Dept. of Electrical Engineering, Indian Institute of Technology Chennai 600 036Tel: +91-44- 2257-4400 Fax: +91-44-2257-4402 Email: sumesh@iitk.ac.in	37,35,200/-	3 years
116	DST/INT/S pain/P- 6/2009 06.04.2010	Information Technology	Security and Privacy Infrastructure for "Internet of Things" scenarios and applications	Prof. Manik Lal Das Department of Information and Communication Technology, Dhirubhai Ambani Institute of Information and Communication Technology (DA- IICT), 2103, Faculty Block 2, DA-IICT, Gandhinagar – 382007 Tel: +91- 7930510617 Fax: +91-7930520010 Email maniklal_das@daiiict.ac.in	21,44,340/-	3 years
117	DST/INT/S pain/P- 7/2009 07.07.2010	Information Technology	Use of SMOS observations of sea surface salinity to constrain intraseasonal variability of	Dr. Debasis Sengupta Oceanic Sciences, Indian Institute of Science, Bangalore 560012 Tel: +91 80 2293 3066 Fax: +91 80	10,89,000/-	3 years

			river plumes in the Bay of Bengal	2360 0865 Email: dsen@caos.iisc.ernet.in		
118	DST/INT/S pain/P- 8/2009 31.05.2010	Life Science and Biotechnology (including Pharmaceuticals)	Compaction of DNA/siRNA with Novel Gemini Lipids: Transfection Formulations for use in Gene Therapy	Prof. Santanu Bhattacharya Chemical Biology Section, Department of Organic Chemistry, Indian Institute of Science, Bangalore-560012 Tel: 91 80 2293 2664 Fax: 91 8023600529 Email: sb@orgchem.iisc.ernet.in	41,26,600/-	3 years
119	DST/INT/S pain/P- 9/2009 31.05.2010	Life Science and Biotechnology (including Pharmaceuticals)	Functional significance of Potyviral HCPro interactions with host and vector factors	Dr. Shelly Praveen Division of Plant Pathology, Indian Agricultural Research Institute, New Delhi-110012 Tel:+91-11-25843474 Fax: +91-11-25840772 Email: shellypraveen@hotmail.com	36,74,600/-	3 years
120	DST/INT/S pain/P- 10/2009 30.03.2010	Life Science and Biotechnology (including Pharmaceuticals)	Epigenetic control of tissue regeneration	Mr. Rakesh K Mishra Centre for Cellular & Molecular Biology, Uppal Road, Hyderabad-500007 Tel:040 27192658 Fax: 040 27160591 Email mishra@ccmb.res.in	34,72,480/-	3 years
121	DST/INT/S pain/P- 11/2009 30.03.2010	Life Science and Biotechnology (including Pharmaceuticals)	Development of new antitubercular drug candidates	Prof. Subbu Perumal Department of Organic Chemistry, School of Chemistry,	30,00,880/-	3 years

				Madurai Kamaraj University, Madurai 625021 Tel: 91-452-2459845 Fax: 91-452-2459845 Email: subbu.perum@gmail.com		
122	DST/INT/S pain/P-12/2009 30.03.2010	Life Science and Biotechnology (including Pharmaceuticals)	Genetic control of cell proliferation, cell size and cell affinities	Prof. L S Shashidhara Department of Biology, Indian Institute of Science Education and Research, Sai Trinity Building, Garware Circle, Pashan Road, Pune 411021 Tel: 91-20-25908001 Fax: 91-20-25899790 Email: ls.shashidhara@iiserpune.ac.in	31,22,680/-	3 years
123	DST/INT/S pain/P-13/2009 28.07.2010	Health and Medical Research	Contribution of the notch pathway to cancer and cancer stem cell maintenance: intestinal and cervical cancer models	Prof. Sudhir Krishna National Centre for Biological Sciences, TIFR, Bangalore, UAS-GVKK Campus, Bellary Road, Bangalore 560065 Tel: 91 80 23666070 Fax: 91 80 23636662 Email: skrishna@ncbs.res.in	30,90,560/-	3 years
124	DST/INT/S pain/P-14/2009 10.11.2010	Health and Medical Research	Purinergic and serotonergic signalling in neurogenesis	Prof. Mitradas M. Panicker Department of Neuroscience, National Centre for Biological Sciences (TIFR), GVKK Campus, UAS, PO Box 6501, Bellary Road, Bangalore 560 065 Tel: +91-	35,82,000/-	

				80-2366 6050 Fax: +91-80-2363 6662 Email: panic@ncbs.res.in		
125	DST/INT/S pain/P- 15/2009 07.06.2010	Health and Medical Research	Isolation and genetic characterisatio n of circulating cell-free fetal DNA for non- invasive prenatal diagnosis of haemoglobino pathies and monitoring of pre-eclampsia (NIPPED)	Dr. Madhulika Kabra Genetics Unit, Department of Pediatics, All India Institute of Medical Sciences (AIIMS), Old O.T. Block, New Delhi – 110 029 Tel: +91 011 2659 4585, 2658 8330 Fax: 91 011 2658 8663, 2658 8641 Email: mkabra_aiims@yahoo.co.in	29,96,290/-	3 years
126	DST/INT/S pain/P- 16/2009 01.06.2010	Health and Medical Research	Artificial Viruses for improved DNA delivery and sustained gene expression in gene therapy	Dr.K.C.Gupta Indian Institute of Toxicology Research, M.G.Marg, Lucknow-226 001 Tel:+91-522- 2621856, 2628227, 2613357 Fax: +91- 522-2628227 Email: kcgupta@iitr.res.in kcgupta@iqib.res.in	33,53,600/-	3 years
127	DST/INT/S pain/P- 17/2009 31.05.2010	Health and Medical Research	Cellular and molecular mechanisms of non-cirrhotic portal hypertension	Prof. S.K. Sarin Institute of Lever and Biliary Sciences, University of Delhi, Delhi Email: shivsarin@gmail.com	34,85,000/-	3 years
128	DST/INT/S pain/P- 18/2009 28.06.2010	Nanotechnology	Synthesis and properties of nitride-based nanomaterials	Prof. A. Sundaresan Chemistry and Physics of Materials Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur	28,70,560/-	3 years

				P.O., Bangalore 560 064 Tel: +918022082824 Fax: +918022082766 Email: sundaresan@jncasr.ac.in		
129	DST/INT/S pain/P- 19/2009 06.09.2010	Nanotechnology	Development of nanodevices for DNA delivery and cell transfection using Elastin Like Polymers (ELPs) coupled to cell interaction motifs	Dr. Chandra P Sharma Biosurface Technology, Biomedical Technology Wing, Sree Chitra Tirunal Institute for Medical Sciences & Technology, Poojappura, Thiruvananthapuram-695012 Tel: 0914712520214 Fax: 0914712341814 Email: sharmacp@sctimst.ac.in	26,14,700/-	3 years
130	DST/INT/S pain/P- 20/2009 25.06.2010	Nanotechnology	Engineering superconducting nanostructures in dichalcogenides and investigating their properties	Prof. Satyajit Banerjee Department of Physics, Indian Institute of Technology, Kanpur – 208016 Tel: +91-512-2597559 Fax: +91-512-2590914 Email: satyajit@iitk.ac.in	35,58,500/-	3 years
131	DST/INT/S pain/P- 21/2009 22.06.2010	Nanotechnology	Multifunctional nanoparticle probes for in vivo cancer stem cell imaging and targeted treatment	Dr. Jayesh Bellare Department of Chemical Engineering Indian institute of Technology Bombay, Powai, Mumbai 400076 Tel:91 2225767207/09820 605364 Fax: 91 22 25726895 Email:	37,54,600/-	3 years

				jb@iitb.ac.in		
132	DST/INT/S pain/P- 22/2009 21.06.2010	Nanotechnology	Molecular wires and ultrasensitive molecular sensors based on metal- nucleobase systems	Dr. Sandeep Verma Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur 208016 Tel: 91 512 2597643/99350818 10 Email: sverma@iitk.ac.in	13,73,900/-	3 years
133	DST/INT/S pain/P- 23/2009 29.06.2010	Renewable Energy	Fermentative and bioelectroche mical production of biofuels by anaerobic microbial mixed cultures (FERMELECT ROFUEL)	Dr Priyanshu M Sarma Department of Microbial Biotechnology, The Energy and Resources Institute (TERI), India Habitat Center, Lodhi Road New Delhi 110003 Tel: 91 11 24682100 Fax: 91 11 24682100 Email: priyanms@teri.res.in	35,79,400/-	3 years
134	DST/INT/S pain/P- 24/2009 28.06.2010	Renewable Energy	Vertically aligned nanostructure d metal oxides and nanotextured substrates for organic solar cells	Dr.M.K.Jayaraj Department of Physics, Cochin University of Science & Technology, Kochi- 682022 Tel:91-484- 2862443 / 91- 9447972704 Fax: 91-484-2577595 Email: mkj@cusat.ac.in	36,22,300/-	3 years
135	DST/INT/S pain/P- 25/2009 07.07.2010	Renewable Energy	New Materials for Energy Applications	Prof. Srinivasan NATARAJAN Solid State and Structural Chemistry Unit, Indian Institute of Science, Bangalore 560 012 Tel:080- 2293- 2551/09448937430 Fax: 080-2360- 1310 Email:	36,39,460/-	3 years

snatrajan@sscu.iisc.ernet.in

Partner Country: Sweden

136	INT/SWD/ VINN/P- 01/2011 10.03.2011	Embedded System	Coarse Grain Reconfigurable Embedded Systems Technology	Prof. Anshul Kumar, Deptt. of Computer Science & Engineering, Bharti Building, Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016	37,41,760/-	3 Years
137	INT/SWD/ VINN/P- 02/2011 10.03.2011	Embedded System	Efficient Hardware-in- the-loop Real Time Simulation with Open Modelica and Embedded Controllers- RTSIM	Mr. V. Muralidhran, Additional Director & Head of Control & Instrumentation Group, Centre for Development of Advance Computing, Vellayambalam, Thiruananthapuram -695033	24,89,080/-	3 Years
138	INT/SWD/ VINN/P- 03/2011 10.03.2011	Wireless sensor systems	Development of wireless sensor based experimental prototype for estimation of position/navigation parameters of objects in a short enclosed range, using co-operative localization techniques based on multiple sensor data	Prof. K V S Hari, Deptt. of ECE, Indian Institute of Science, Bangalore	32,89,880/-	3 Years

139	INT/SWD/ VINN/P- 04/2011 10.03.2011	Sensor, E-Nose, Food quality control	Assessment of Food Quality : An Embedded Approach	Dr. John Bosco Balaguru Rayappan, Professor, Electronics & Communication Engineering, Sastra University, Tirumalaisamudram Thanjavur-613401, TamilNadu	25,70,480/-	3 Years
140	INT/SWD/ VINN/P- 05/2011 10.03.2011	Smart Grid	Energy Management on Smart Grid Using Embedded Systems	Dr. Sasi K Kottayil, Professor, Deptt. of Electrical & Electronics Engineering, Amrita School of Engineering, Amrita Vishwa Vidyapeetham, Coimbatore, Tamil Nadu-641105	30,25,880/-	3 Years
141	INT/SWD/ VINN/P- 06/2011 10.03.2011	Networked Embedded Systems, Wireless Sensor Networks	Structural Health Monitoring with Networked Embedded Systems	Asst. Prof. Kemeswari Chebrolu, Computer Science & Engineering, Indian Institute of Technology Bombay, Powai, Mumbai-400076	11,90,000/-	3 Years
142	INT/SLOV ENIA/P- 7/09 27.10.2010	New Materials	Application of different photocatalytic materials for efficient degradation of different industrial pollutants	Prof. Ashok M. Raichur Dept of Materials Engineering, Indian Institute of Science Bangalore-560012. Tel:080-22933238 Fax: 080-23600472	9,33,900/-	3 Years
143	INT/SLOV ENIA/P- 8/09 27.10.2010	New Materials	Development of Clothing for Extreme Cold Environment	Dr. Apurba Das Department of Textile Technology, Indian Institute of Technology Hauz KhasNew Delhi- 110016. Tel:2659 1413 Fax: 26581103	9,57,000/-	3 Years

144	INT/SLOV ENIA/P- 9/09 07.01.2011	Materials	Preparation, characterisation and properties of nanostructured multiferroic-metal-polymer based flexible composites	Dr. MT Sebastian National Institute for Interdisciplinary Science & Technology Trivandrum-695019. Tel:0471-2515294 Fax: 0471-2491712	3,30,000/-	3 Years
145	INT/SLOV ENIA/P- 10/09 04.03.2011	Biotechnology	Novel cost-effective methods for GMO detection: Application to the Indian and Slovenian context	Dr. Gurinder Jit Randhawa NRC on DNA Fingerprinting, National Bureau of Plant Genetic Resources Pusa Campus, New Delhi-110012. Tel:9811974396	8,08,500/-	3 Years
146	INT/SLOV ENIA/P- 11/09 28.02.2011	Materials	Solar hydrogen production using Nanostructured Fe:TiO ₂ and N:TiO ₂ thin films and powders	Dr. BB Kale Centre for Materials for electronics Technology (C-MET), Department of Information and Technology (DIT) , Panchwati, Off Pashan Road, Pune-411 008. Tel:91) 20 25899273/ 25898141 Fax: 91 20 25898180	9,14,100/-	3 Years
147	INT/SLOV ENIA/P- 13/09 03.03.2011	Physics	Mediated interaction between charged membranes - towards understanding the coagulation of RBC	Dr. PB Sunil Kumar Department of Physics, Indian Institute of Technology – Madras Chennai-600 036. Tel:044 2257 4876	9,07,500/-	3 Years
148	INT/SLOV ENIA/P- 14/09 26.09.2011	Health sciences	Interactions of the Hepatitis E virus (HEV) with the host intestinal tract, studied in the pig	Dr. Brij K Sharma Department of Zoology RL Saharia Govt. PG College Kaladera-303801 Jaipur, Rajasthan.	8,87,700/-	3 Years

			functional cell model	Tel:9352228058 Fax: 01423 265828		
149	INT/SLOV ENIA/P- 17/09 23.12.2010	Mathematics	Metric Graphs Theory And Graph Products	Dr. Manoj Changat Department of Futures Studies, University of Kerala Thiruvananthapuram -695 034. Tel:0471- 2305321 Fax: 0471-2307158	8,15,100/-	3 Years