

International Division
List of approved projects during FY 2013-14

Sl. No	File No. & Date of Sanction	Broad Area	Title of the Project	Indian Coordinator with full contact details	Amount Sanctioned In Rs.	Duration (Years)
Partner Country: Australia						
1.	DST/INT/AU S/P-55/2013 07.10.2013	Earth Science	Inter-dependencies of deep crustal and surficial geological processes during continental collision	Prof Talat Ahmad Vice Chancellor Dept. of Earth Sciences University of Kashmir Hazratbal, Srinagar, Jammu and Kashmir. Pin - 190006	48,82,000/-	3
2.	DST/INT/AU S/P-56/2013 30.09.2013	Information and Communication Technology (including computer science)	Building triangulations for fast topological computing	Prof. Basudeb Datta Department of Mathematics, Indian Institute of Science, Bangalore 560 012	6,09,500/-	3
3.	DST/INT/AU S/P-59/2013 09.10.2013	Marine Science	Hydrodynamic characteristics of porous barriers under nonlinear shallow water waves	Dr. R. Balaji Dept of Civil Engineering, IIT Bombay Powai, Mumbai – 400 076, Maharashtra.	30,80,600/-	3
4.	DST/INT/AU S/P-62/2013 21.10.2013	Information and Communication Technology (including computer science)	Planar high gain antennas based on electromagnetic band gap concept	Dr. Animesh Biswas Electrical Engineering Indian Institute of Technology Kanpur, Kanpur-208016, U.P	24,05,000/-	3
Partner Country: Austria						
5.	INT/AUA/BM WF/P-14/2013 04-06-2013	Life Sciences	Toxin and Voltage gated Sodium channel interactions: A study on structure activity relationship	Dr. B.A. Gowri Shankar, Assistant Professor, Department of Bio-Technology, Bannari Amman	3,82,100/-	2

				Institute of Technology, Erode District, Tamil Nadu-638 401		
6.	INT/AUA/BM WF/P- 15/2013 06-09-2013	Earth Sciences & Environment	Application of Dynamic Simulation Models to Establish Erosion-Productivity Relationships and Soil Organic Carbon Sequestration Potential for A Future Changing Climate	Dr. P K Mishra, Central soil and Water Conservation Research and Training Institute, 218, Kaulagarh road, Dehradun-248195	4,04,000/-	2
7.	INT/AUA/BM WF/P- 16/2013 05-06-2013	Earth Sciences	Evolution of Marine Permo-Triassic Biota and Carbon Cycle: from the Alps to the Himalaya	Dr. S K Parcha, Scientist-E, Wadia Institute of Himalayan Geology, GMS Road, Dehradun-248001	6,38,000/-	2
8.	INT/AUA/BM WF/P- 17/2013 05-06-2013	Physics	Refinement of lipid models for membrane rafts	Prof. V A Raghunathan, Soft condensed matter, Raman Research Institute, C V Raman Avenue, Sadashivanagar, Bangalore 560080	3,35,000/-	2
9.	INT/AUA/BM WF/P- 18/2013 20-06-2013	Physics	Multi-wavelength Study of Solar Flares/CMEs and Associated Dynamical Processes	Dr. Abhishek K. Srivastava, Scientist, Department of Science and Technology, Aryabhatta Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital-263129, Uttarakhand	4,42,000/-	2
10.	INT/AUA/BM WF/P- 19/2013 05-06-2013	Maths	Stability Issues in Computation of Stiff Stochastic Differential Equation Systems	Soumyendu Raha, Associate Professor, Supercomputer Education and Research Centre (SERC), Indian	2,95,000/-	2

				Institute of Science (IISc), Bangalore 560012		
11.	INT/AUA/BM WF/P-21/2013 05-06-2013	Chemical Engineering	Investigation of Suzuki-Miyaura reaction catalyzed by ionic Pd immobilized in inorganic oxide matrix	Dr. P A Deshpande, Assistant professor, Department of Chemical Engineering, Indian Institute of Technology Kharagpur, Kharagpur – 721302	8,00,000/-	2
12.	INT/AUA/BM WF/P-22/2013 05-06-2013	Life Sciences	Bioinspired Models for Unusual Tris-Histidine Motif in Non-Heme Iron Enzymes	Dr. R. Mayil Murugan, Assistant Professor, School of Chemistry, Madurai Kamaraj University, Madurai – 625021	6,56,000/-	2
13.	INT/AUA/BM WF/P-23/2013 05-06-2013	Life Sciences	Structural and functional analysis of flavin dependent acyl CoA dehydrogenases of their operon from Mycobacterium tuberculosis	Prof. Amit Kumar Das, Department of Biotechnology, Indian Institute of Technology Kharagpur, P.O. Technology Post Office, Dist. Midnapore (West), West Bengal-721302	3,86,000/-	2

Partner Country: Belarus

14.	INT/BLR/P-1/2013 10-10-2013	Physics	Investigation of molecular structure, electrophysical and dielectric properties of layered nanocomposites and its gas sensor application	Dr.M.S. Gaur , Professor & Head, Department of Physics, Hindustan College of Science & Technology, Farah, Mathura, UP	10,72,000/-	3
15.	INT/BLR/P-3/2013 07-11-2013	Materials	Development of nitrogen ion implantation of PVD coating on stainless steel substrates for	Dr. Dheerendra Kumar Dwivedi , Associate Professor, Mechanical &	6,40,000/-	3

			improved mechanical and tribological performance	Industrial Engineering Department, IIT Roorkee		
Partner Country: Bulgaria						
16.	INT/BULGARIA/P-1/12 29-08-2013	Biotech	Development of non-transgenic strategic to control Potyvirus diseases	Dr. Rajarshi Kumar Gaur Department of Science, Mody Institute of Technology and Science, Lakshmangarh, Sikar-332311, Rajasthan,	6,39,000/-	3
17.	INT/BULGARIA/P-2/12 15-05-2013	Physics	Study of Waves and Eruptive Phenomena in the Solar Atmosphere	Dr. Ramesh Chandra Dept. of Physics, Kumoun University, DSB Campus, Nainital,	14,55,000/-	3
18.	INT/BULGARIA/P-3/12 05-06-2013	Physics	Nanostructured Multicomponent Bismuth-Borate Glasses and Glass-Ceramics	Dr. Atul Khanna Department of Physics, Guru Nanak Dev University, Amritsar, 143 0058	6,45,000/-	3
19.	INT/BULGARIA/P-5/12 12-08-2013	Materials	Nano-Oxides with controlled size and Morphology modified with noble metals for purification processes (complete oxidation of volatile organic compounds and prox process	Prof. A.K Ganguli Department of Chemistry, Indian Institute of Technology, Huaz Khas, New Delhi, 110 016	6,12,000/-	3
20.	INT/BULGARIA/P-6/12 10-05-2013	Health	Development of chalcones with strong anti-parasitic properties	Prof. Rakesh Sehgal Department of Parasitology, Postgraduate Institute of Medical	12,06,000/-	3

				Education & Research, Chandigarh, 160 012		
21.	INT/BULGARIA/P-7/12 16-07-2013	Biotech	Influence of stress on metabolites with nutritional value and protective function of Indian and Bulgarian soybean genotypes obtained by biotechnology and genetic methods	Dr. G.A Ravishankar Central Food Technological Research Institute, Mysore, Karnataka, 570 020	11,40,000/-	3
Partner Country: Germany						
22.	INT/FRG/DA AD/P-225/2013 02-09-2013	Chemical Sciences	Structural Characterization of mixed ligand phosphine and polypyridyl transition metal complexes and their interaction with nucleic acids	Dr. Avinash S. Kumbhar, Professor, Department of Chemistry, University of Pune, Pune-411007	5,05,000/-	2
23.	INT/FRG/DA AD/P-226/2013 02-09-2013	Chemical Sciences	One catalyst two reactions: A strategic and novel simultaneous coupling of hydrogenation and dehydrogenation reactions	Dr. B. David Raju, Principal Scientist, Indian Institute Chemical Technology, Hyderabad-500607	7,59,500/-	2
24.	INT/FRG/DA AD/P-227/2013 02-09-2013	Earth Sciences	Probabilistic Analysis of Seismic Losses for Urban Areas and Lifeline Networks in Kachchh (Gujarat), India	Dr. Kapil Mohan, Scientist-C, Institute of Seismological Research, Next to Petroleum University, Raisan-382009, Gandhinagar, Gujarat	5,45,000	2
25.	INT/FRG/DA AD/P-228/2013 19-12-2013	Earth Sciences	Quantification of geomorphic connectivity through sediment budgeting in the intermontane Himalayan valley	Dr. Vikrant Jain, Indian Institute of Technology Gandhinagar, Vishwakarma Government	6,82,400/-	2

			within the Yamuna River basin, India	Engineering College Campus, Chandkheda, Ahmedabad, Gujarat-382424		
26.	INT/FRG/DA AD/P-229/2013 02-09-2013	Physics	Fabrication of vertically standing GaN nanorods and nanowires using nanomasking and etching techniques for applications in nano-PN junctions and nano-LEDs	Dr. Rajendra Singh, Assistant Professor, Department of Physics, Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110016	5,30,000/-	2
27.	INT/FRG/DA AD/P-230/2013 02-09-2013	ICT	Synthesis of Reversible Circuits using Probabilistic Methods and Functional Transformations	Dr. Hafizur Rahaman, Professor, Dept. of Information Technology, Bengal Engineering and Science University, Shibpur, P.O. Botanical Garden, Howrah-711103, West Bengal	7,01,000/-	2
28.	INT/FRG/DA AD/P-231/2013 05-09-2013	Life Sciences	Assessing Natural and Stimulated Biodegradation of the Pesticide Hexachlorocyclohexane (HCH) at Contaminated Field Sites Using Compound-Specific Stable Isotope Analysis (CSIA)	Dr. Rup Lal, Professor, Molecular Biology Laboratory, Dept. of Zoology, University of Delhi, Delhi-110007	9,08,000/-	2
29.	INT/FRG/DA AD/P-232/2013 03-10-2013	Medical Sciences	Nanoparticle for Hepatocellular Carcinoma (HCC) therapy	Dr. Shiv Kumar Sarin, Head, Institute of Liver & Biliary Sciences, D-1, Vasant Kunj, New-Delhi-110070	4,17,500/-	2
30.	INT/FRG/DA AD/P-233/2013 02-09-2013	Physics	Design and development of freeform optics for imaging and non-imaging applications	Dr. Gufran Sayeed Khan, Assistant Professor, Instrument Design Development	10,29,500/-	2

				Center, Indian Institute of Technology, Hauz Khas, New Delhi-110016		
31.	INT/FRG/DA AD/P-234/2013 02-09-2013	Physics	Paving the way for a new tool to characterize the polymorphism in pharmaceutical compounds using THz spectroscopy combined with theoretical modeling	Prof. Poonam Tandon, Department of Physics, University of Lucknow, Lucknow 226007	8,09,500/-	2

Partner Country: Italy

32.	INT/Italy/ITP AR-III/TELECOM/2013 17-06-13	Telecommunication	Advanced methods for the analysis of optical and radar remote sensing images acquired by last generation satellite systems	Dr. Subhasis Chaudhari, Indian Institute of Technology Bombay	59,97,800/-	3
33.	INT/Italy/ITP AR-III/Nanophotonics/2013 26-06-13	Nano Materials	Green photonics using semiconductor nanostructures	Prof. Prof. Narayana Rao, University of Hyderabad and Dr. S.K. Ray, IIT Kharagpur	75,99,200/-	3
34.	INT/Italy/ITP AR-III/Cog-P(5)/2013 26-06-13	Cognitive Science	Recovery of language functions in stroke patients: The neural and functional mechanisms underlying the recovery of anomia	Dr. Survana alladi DM, Nizam's Institute of Medical Sciences, Hyderabad	32,69,960/-	3
35.	INT/Italy/ITP AR-III/Cog-P(6)/2013 08-08-13	Cognitive Science	The representation and acquisition of actions	Dr. S Bapi Raju, University of Hyderabad	26,17,000/-	3
36.	INT/Italy/P-6/2012 (ER)	Engineering Sciences	Development of innovative digital technologies for mass customized industrial building construction	Dr. Mrudula S. Kulkarni, Maharashtra Institute of Technology Pune	3,00,000/-	2

Partner Country: Japan

37.	DST/INT/JS PS/P- 151/2013 13.06.2013	Fundamental Sciences: Physical and Chemical Systems	Investigation of Hydration Dynamics of Proteins using Subpicosecond Electron Accelerator Based Time – Domain Terahertz and Femtosecond Laser Based Time- Resolved IR absorption Spectroscopic Techniques	Dr. Dipak Kumar Palit, Radiation & Photochemistry Division Bhabha Atomic Research Centre, Trombay, Mumbai – 400085	Rs.5,86,000/-	2
38.	DST/INT/JS PS/P- 152/2013 07.06.2013	Fundamental Sciences: Physical and Chemical Systems	Development of CO and H ₂ insertion reactions using metal ion-containing immobilized ionic liquid catalysts	Prof. Bhalchandra Mahadeo Bhanage Dept. of Chemistry Institute of Chemical Technology (Deemed University), N. Parekh Road, Matunga, Mumbai, 400 019	Rs.4,38,000/-	2
39.	DST/INT/JS PS/P- 153/2013 07.06.2013	Fundamental Sciences: Physical and Chemical Systems	Pressure effect on the properties of organic conductors and pnictide superconductors	Prof. S.Arumugam, Centre for High Pressure Research School of Physics Bharathidasan University, Palkalaiperur Campus, Tiruchirappalli - 620 024, Tamil Nadu	Rs.5,74,000/-	2
40.	DST/INT/JS PS/P- 154/2013 01.07.2013	Materials and System Engineering	Characterization and Development of Materials for Special Applications	Dr. Ashok Kumar Arya, Materials Science Division Bhabha Atomic Research Centre, Trombay, Mumbai - 400085	Rs.7,70,000/-	2
41.	DST/INT/JS PS/P- 155/2013	Materials and System Engineering	Ultra fast solar hydrogen production using gas phase	Dr. S.B. Sadale, Dept of Technology,	Rs.5,46,000/-	2

	07.06.2013		photocatalysis based on core-shell semiconductor nanostructures	Shivaji University Vidyanagar, Kolhapur – 416004, Maharashtra		
42.	DST/INT/JS PS/P-156/2013 07.06.2013	Materials and System Engineering	Graphene Thin Film Self-Assembled on Silicon: Chemical, Structural and Tribological Evolution	Dr Om Prakash Khatri, Chemical Science Division, CSIR-Indian Institute of Petroleum P.O. Mohkampur Dehradun – 248005	Rs.6,66,000/-	2
43.	DST/INT/JS PS/P-157/2013 08.07.2013	Materials and System Engineering	Development of Enhanced CPL-active Materials for Potential Application in Future Security Technology	Dr. K. George Thomas, School of Chemistry & Dean of Academics and Administration Indian Institute of Science Education and Research Thiruvananthapuram, Computer Science Building, College of Engineering Trivandrum (Transit Campus), Trivandrum – 695 016 Kerala	Rs.6,16,000/-	2
44.	DST/INT/JS PS/P-158/2013 07.06.2013	Materials and System Engineering	Organic Semiconductor based Self-assemblies and Gelators for Field Effect Transistors and Photovoltaics	Dr. A. Ajayaghosh, Photosciences and Photonics Group Chemical Sciences and Technology Division National Institute for Interdisciplinary Science and Technology, CSIR Industrial Estate P. O. Trivandrum, 695019	Rs.4,84,000/-	2
45.	DST/INT/JS PS/P-159/2013	Natural Systems: Life Sciences and Bioengineering	Genetic Engineering of Reducing Side of Photosystem I Protects from High	Dr. Subramanyam Rajagopal, Dept, of Plant Sciences, School of Life	Rs.7,84,000/-	2

	12.06.2013	g	Light Stress in Chlamydomonas ReinhardtII: Evidences from Biochemical and Functional Studies	Sciences University of Hyderabad, Gachibowli, Hyderabad-500046		
46.	DST/INT/JS PS/P-160/2013 13.06.2013	Natural Systems: Life Sciences and Bioengineering	FGF-18 Loaded Chitin-PLGA/Nano Bioglass Ceramic Composite Microgels for Skull Bone Defects	Dr. R. Jayakumar Amrita Center for Nanosciences and Molecular Medicine, Amrita Institute of Medical Sciences, Amrita Vihswa Vidyapeetham University, Ponekkara (PO), Kochi-682 041, Kerala	Rs.3,88,000/-	2
47.	DST/INT/JS PS/P-161/2013 13.06.2013	Natural Systems: Life Sciences and Bioengineering	Analysis of co-regulation between DNA replication activity and amino acid homeostasis by transcription factor IciA/ArgP in Escherichia coli	Dr. J Gowrishankar, Laboratory of Bacterial Genetics, Centre for DNA Fingerprinting and Diagnostics Bldg. 7, Gurihakalapa, 5-4-399/B, Nampally, Hyderabad – 500001	Rs.7,16,000/-	2
48.	DST/INT/JS PS/P-162/2013 04.07.2013	Natural Systems: Life Sciences and Bioengineering	Mechanism of Chromatin Repair: Role of Chromatin Associated Protein PC4 Acetylation by Tip60	Prof. Tapas K Kundu, Transcription and Disease Laboratory, Molecular Biology and Genetics Unit, Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur, Bangalore – 560 064	Rs.4,82,400/-	2
49.	DST/INT/JS PS/P-163/2013	Natural Systems: Life Sciences and	Cell engineering and molecular biological investigation om	Dr. B.K.Sarangi, Environmental Biotechnology	Rs.8,44,000/-	2

	13.06.2013	Bioengineering	Indigofera tinctoria and Polygonum tinctorium plants for natural indigo dye production	Division, National Environmental Engineering Research Institute, CSIR, Dept of Science & Technology, GOI, Nehru Marg, Nagpur-440020 Maharashtra		
50.	DST/INT/JS PS/P-164/2013 26.06.2013	Natural Systems: Life Sciences and Bioengineering	The vacuolar dynamics in plant defense systems based on the post genome analysis	Dr. Shanti S. Sharma, Dept. of Biosciences Himachal Pradesh University, Summer Hill, Shimla-171 005	Rs.7,30,000/-	2
51.	DST/INT/JS PS/P-165/2013 21.10.2013	Natural Systems: Life Sciences and Bioengineering	Distribution of various forms of RNA polymerase over Genomic DNA as a function of growth	Prof. Dipankar Chatterji, Molecular Biophysics Unit Indian Institute of Science, Malleshwarm Banalore-560 012	Rs2,31,500/-	2
52.	DST/INT/JS PS/P-166/2013 17.09.2013	Natural Systems: Life Sciences and Bioengineering	Biological and molecular investigations on amoeba specific traffic in the protozoan parasite Entamoeba histolytica	Prof. Sunando Datta, Biological Sciences, Indian Institute of Science Education and Research, Govindpura Industrial Area, Bhopal – 462023, Madhya Pradesh	Rs.2,92,000/-	2
53.	DST/INT/JS PS/P-167/2013 19.06.2013	Sciences for Earth-Space, Marine and Environment: Global Systems (ESME)	Geological linkage between southern India and Antarctica: A Probe on crustal processes from Archaean to Proterozoic	Dr. Sajeev Krishnan Dr. Sajeev Krishnan, Centre for Earth Sciences, Indian Institute of Science, Bangalore – 560012	Rs.6,16,000/-	2
54.	DST/INT/JS PS/P-168/2013	Sciences for Earth-Space, Marine and Environment:	Star formation history of OB associations and characterization of	Dr. Anil K. Pandey, Aryabhata Research Institute of Observational	Rs.5,02,000/-	2

	13.06.2013	Global Systems (ESME)	global properties of young open clusters	Sciences Manora peak Nainital-263 129,Uttarakhand		
55.	DST/INT/JS PS/P-169/2013 13.06.2013	Sciences for Earth-Space, Marine and Environment: Global Systems (ESME)	Development of Methodologies for Snow Pack Parameters Estimation by Using SAR Polarimetry and Interferometry	Prof. G. Vankataraman, Centre of Studies in Resources Engineering Indian Institute of Technology, Powi Bombay – 400076, Maharashtra	Rs.5,66,000/-	2
56.	DST/INT/JS PS/P-170/2013 29.08.2013	Mathematics and Computational Science (MCS)	SoC & Embedded System Design Environment and its Applications to Wireless and Security	Dr. Maneesha V Ramesh, AMRITA Center for Wireless Networks & Applications, Amrita Viswa Vidyapeetham Amritpuri Campus, Amritapuri Clappana, P.O. Kollam – 690525	Rs13,96,000/-	2

Partner Country: Mexico

57.	INT/MEXICO /P-13/12 16-05-2013	Computer	Machine Learning Techniques for Context Aware Recommender Systems	Dr. Vivek Kumar Singh Department of Computer Science, Banaras Hindu University, Varanasi	13,72,500/-	3
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Partner Country: Netherlands

58.	INT/NL/FM/ P-001/2013 27-01-2014	Math	Graphenespintronic s with complex oxides	Dr. Arindam Ghosh, Department of Physics, Indian Institute of Science, Bangalore And Dr. Tanushri Dasgupta Saha, SN Bose National Centre for Basic	85,42,000/-	4
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				Science, Kolkata		
59.	INT/NL/FM/ P-002/2013 27-01-2014	Math	Design of novel bifunctional gold Ti and Fe-modified zeolite functional materials for the catalytic oxidation of hydrocarbons	Dr. Biswajit Chowdhury , Department of Applied Chemistry, Indian School of Mines, Dhanbad And Dr. Vinod Prabhakaran , National Chemical Laboratory, Pune	58,29,400/-	4

Partner Country: New Zealand

60.	INT/NZ/P- 001/2013 20-11-2013	Math	Testing for the efficacy of functional foods: collaborative development of an assay to determine impacts of foods on anti-oxidants activity	Dr. Adesh Kumar Saini , Associate Professor, Shooloni University, Solan And Dr. Vikas Kumar , Technology Manager, Centre for Cellular and Molecular Platforms, NCBS-TIFR, GKVK Post, Bellary Road, Bangalore	64,84,000/-	2
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Partner Country: Russia

61.	INT/RUS/RFB R/P-117 29-10-2013	Astrophysics	Study of Dynamical Events in the Solar Atmosphere during Maximum of Solar Cycle 24	Dr. A.K. Srivastava , Scientist-C, Aryabhata Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital-263129	7,08,900/-	2
62.	INT/RUS/RFB R/P-121 07-10-2013	Astrophysics	Galactic outflows and galaxy ecosystem	Dr. Biman B. Nath , Associate Professor, Raman Research Institute, Sadashiva Nagar, Bangalore-560080	9,47,200/-	2
63.	INT/RUS/RFB R/P-127 31-07-2013	Earth Science	Studies on physicochemical and biogeochemical processes controlling the	Dr. Kurakalva Rama Mohan , Scientist & Head, Environmental Geochemistry	20,54,200/-	2

			migration of heavy metals and oil products in the sub-surface groundwater environment within urban areas (theoretical study, monitoring and modeling)	Division, CSIR-National Geophysical Research Institute, Uppal Road, Hyderabad-500007		
64.	INT/RUS/RFB R/P-135 30-08-2013	Physics	Self-similar modes of femtosecond laser pulse and beam propagation in media with two or multi-photon absorption and nonlinear refraction	Dr. S. Konar , Professor, Department of Applied Physics, Birla Institute of Technology, Mesra, Ranchi-835215, Jharkhand	14,34,800/-	2
65.	INT/RUS/RFB R/P-136 06-11-2013	Information Communication & Technology	Numerical investigation of the Unsteady flows around blunt bodies using high performance computing (HPC)	Dr. Vikas Kumar , Principal Technical Officer, Centre for Development of Advanced Computing (C-DAC), Pune	15,50,100/-	2
66.	INT/RUS/RFB R/P-137 17-09-2013	Math	Knots, braids and automorphism groups	Prof. Krishnendu Gangopadhyay , Assistant Professor, Indian Institute of Science Education and Research, Sector-81, S.A.S. Nagar, Mohali, Punjab	30,02,450/-	2
67.	INT/RUS/RFB R/P-138 25-11-2013	Math	Classical Algebraic K-theory and algebraic groups	Prof. Ravi Rao , Professor H, School of Mathematics, TIFR, Homi Bhabha Road, Colaba, Mumbai-400005	22,65,000/-	2
68.	INT/RUS/RFB R/P-139 16-12-2013	Astrophysics	Multiwavelength studies of nearby dwarf galaxies	Prof. N. Jayaram N. Chengalur , National Institute for Radio Astrophysics / Tata Institute of	10,40,400/-	2

				Fundamental Research, Pune University Campus, Ganeshkhind 411007		
69.	INT/RUS/RFB R/P-140 30-08-2013	Physics	Precise X-ray and neutron studies and establishment of well-defined relationships between a composition, an atomic structure and physical properties of perspective crystalline materials $MmHn(XO_4)$ $(m+n)/2$	Dr. R. Chitra , Scientific Officer (F), Solid State Physics Division, Bhabha Atomic Research Center, Trombay, Mumbai-400085	7,76,200/-	2
70.	INT/RUS/RFB R/P-141 08-10-2013	Physics	Spin-dependent phenomena in quasi two-dimensional structures and films with magnetic impurities	Prof. Vikram Tripathi , Associate Professor, Department of Theoretical Physics, Tata Institute of Fundamental Research, Homi Bhabha Road, Navy Nagar, Mumbai - 400005	8,32,400/-	2
71.	INT/RUS/RFB R/P-142 07-10-2013	Astrophysics	Study of neutral and ionized gas in star forming regions	Prof. Devendra Kumar Ojha , Professor, Tata Institute of Fundamental Research, DDA, Homi Bhabha Road, Colaba, Mumbai-400005	7,92,400/-	2
72.	INT/RUS/RFB R/P-143 30-08-2013	Physics	Semiconductor superlattices for terahertz emission at room temperature	Prof. S.K. Ray , Professor, Dept. of Physics & Meteorology, Kharagpur 721302	17,46,000/-	2
73.	INT/RUS/RFB R/P-144	Physics	Synthesis of aligned highly conducting	Dr. Ambuj Tripathi ,	11,01,600/-	2

	11-09-2013		ion tracks by swift heavy ion irradiation of metal doped DLC films	Scientist-G, Inter University Accelerator Centre, P.O. Box 10502, ArunaAsaf Ali Marg, New Delhi-110067		
74.	INT/RUS/RFB R/P-145 09-09-2013	Materials	Plasmonic nanostructures with magnetic and semiconductor constituents for nanophotonics	Prof. A. VenuGopal , Associate Professor, TIFR, HomiBhabha Road, Colaba, Mumbai-400005	14,89,000/-	2
75.	INT/RUS/RFB R/P-146 17-09-2013	Chemistry	Crystal engineering using I(Te)... pi secondary interactions, as a method for preparation of organometallic-based electro-conductive and magnetic materials	Prof. PradeepMathur , Director of IIT-Indore, IET--DAVV Campus, Khandwa Road, Indore-452017, Madhya Pradesh	20,47,600/-	2
76.	INT/RUS/RFB R/P-147 30-08-2013	Chemistry	Chiral chromatography of compounds with two asymmetric centres	Dr. Imran Ali , Department of Chemistry, JamiaMillialIslamia, New Delhi	18,22,800/-	2
77.	INT/RUS/RFB R/P-148 08-09-2013	Physics	Synthesis and Characterization of Metal Oxide Nanocomposite Films and their Applications as Opto-Electronic Humidity Sensors	Dr. Bal Chandra Yadav , Associate Professor, BabasahebBhimraoAmbedkar University, VidyaVihar, Raebareli Road, Lucknow-226025	26,84,500/-	2
78.	INT/RUS/RFB R/P-149 07-10-2013	Chemistry	Synthesis and reactivity of nanoorous metal-silica composites – novel heterogeneous catalysts for selective oxidation	Dr. Lakshmi Saikia , CSIR-North East Institute of Science & Technology. Jorhat	16,34,400/-	2 Years
79.	INT/RUS/RFB R/P-150 30-08-2013	Chemistry	Pharmaceutical Salts and Co-crystals: Synthesis, Structure and	Prof. AshwiniNangia , Professor, School of Chemistry,	21,67,400/-	2

			Properties	University of Hyderabad, Central University PO, Prof. C.R. Rao Road, Gachibowli, Hyderabad 500046		
80.	INT/RUS/RFB R/P-151 30-08-2013	Chemistry	Design and Synthesis of New Conjugated Low Band Gap Polymers Based on 'Weak Donor-Strong Acceptor' An Approach for Efficient Bulk Heterojunction Solar Cells	Prof. G.D. Sharma , Director (Academic & Research), JEC Group of Colleges, Kukas, Jaipur-303101	13,70,200/-	2
81.	INT/RUS/RFB R/P-152 11-09-2013	Chemistry	Iron-containing nanostructured catalysts for environmental protection	Prof. P. Selvam , National Centre for Catalysis Research (NCCR), Department of Chemistry, Indian Institute of Technology-Madras, Chennai-600036	21,96,560/-	2
82.	INT/RUS/RFB R/P-153 07-10-2013	Chemistry	Screen Printed Electrodes (SPEs) Functionalized with Organic-Inorganic Hybrid Nano-Composites for Bio-sensing Applications	Dr. Raju Khan , Scientist, Analytical Chemistry Division, CSIR-North East Institute of Science & Technology, Jorhat-785006, Assam	19,14,240/-	2
83.	INT/RUS/RFB R/P-155 30-08-2013	Bio	Unravelling higher-level phylogenetic relationship of skipper butterflies (Lepidoptera: Hesperiiidae), times of divergences and evolution of hostplant	Dr. UllasaKodandara maiah , Assistant Professor, School of Biology, Indian Institute of Science, Education and Research,	20,61,020/-	2

			associations	Thiruvananthapuram (IISER-TVM), CET College Campus, Sreekaryam, Trivandrum 695016		
84.	INT/RUS/RFB R/P-156 03-09-2013	Earth Science	Three Dimensional Seismic Structure and Seismicity in the Himalaya Region	Dr. Sagarika Mukhopadhyay , Professor, Deptt. of Earth Sciences, IIT Roorkee, Uttarakhand- 247667	12,27,600/-	2
85.	INT/RUS/RFB R/P-157 16-12-2013	Earth Science	Deciphering 3D Geo-electrical structure from MT / MV data recorded in Garhwal Himalayan region	Dr. M. Israil , Professor, IIT Roorkee, Uttarakhand- 247667	19,57,920/-	2
86.	INT/RUS/RFB R/P-159 22-10-2013	Information Communication & Technology	Development of logic programming approach to intelligent monitoring of anomalous human activities	Dr. AbhishekVaish , Assistant Professor, Indian Institute of Information Technology, Allahabad	16,83,908/-	2
87.	INT/RUS/RFB R/P-160 13-08-2013	Information Communication & Technology	Software-hardware system for crack resistance characteristics determination of engineering materials and structures under mixed mode fracture	Dr. JawalkarMothirao Chandra Kishen , Professor, Department of Civil Engineering, Indian Institute of Science, Bangalore 560012	11,53,080/-	2
88.	INT/RUS/RFB R/P-161 07-10-2013	Engineering Science	Nature of extraordinary high and low superplastic elongations in severely deformed ultrafine-grained Al- Mg-Sc-Zr alloy	Dr. M.J.N.V. Prasad , Assistant Professor, Metallurgical Engineering & Materials Science, IIT-Bombay, Powai, Mumbai- 400076	11,81,860/-	2

Partner Country: South Korea

89.	INT/Korea/P-19 30-05-2013	Renewable Energy	Construction of Synthetic Electron Circuit in Escherichia coli for Enhanced Production of Hydrogen from Renewable Source	Dr. Subramanian Mohan Raj, PRIST University, Vallam, Thanjavur	58,12,320/-	3
90.	INT/Korea/P-21 15-05-2013	Materials Sciences	Organized CNT-Noble Metal Cluster Conjugates	Prof. T. Pradeep, Indian Institute of Technology Madras, Chennai	40,06,560/-	3

Partner Country: Sri Lanka

91.	INT/SL/P-004/2012 13-08-2013	Earth Science	High temperature lower crust of east central Gondwana: emphases to southern Indian and Sri Lankan Geology	Dr.Sajeev Krishnan , Associate Professor, Centre for Earth Sciences, Indian Institute of Science, Bangalore-560012	18,75,000/-	3
92.	INT/SL/12/P-006 24-10-2013	Bio	Understanding the Genetic Diversity of salinity tolerant rice cultivars/mutants and molecular basis of salinity tolerance with respect to Saltol gene expression	Mr.Ashwani Pareek , Associate Professor School of Life Sciences, Jawaharlal Nehru University, New Delhi	22,80,000/-	3
93.	INT/SL/P-007/2012 18-11-2013	Biomed	Proteomic and Transcriptomics profile/analysis of Indo-Srilankan hemotoxic snakes: Implications in development of effective, safe and feasible antivenin	Dr. B.L. Dhananjaya , Assistant professor, Jain University, Bangalore	26,70,000/-	3
94.	INT/SL/12/P-008 26-11-2013	Bio	Development of rice and tea residues-derived bio-chars as effective green	Dr. Dinesh Mohan , School of Environmental Sciences,	32,50,000/-	3

			materials for adsorptive stabilization of pesticides in soil and water systems	Jawaharlal Nehru University, New Delhi		
95.	INT/SL/12/P-009 20-12-2013	Biomed	Investigating the oncogenic potential of KIBRA	Dr.Rayala Suresh Kumar , Associate Professor, Biotechnology Deptt., IIT Madras, Chennai-600036	19,65,000/-	3
Partner Country: Tunisia						
96.	(INT/Tunisia/P-06/2013) 19.06.2013	Medical Biotechnology	Toxin and voltage gated sodium channel interactions: a bioinformatic approach of structure-activity relationships	Dr. B.A.Gowri Shankar, Bannari Amman Institute of Technology, Eroda,Tamil nadu	29,01,000/-	3
97.	(INT/Tunisia/P-07/2013) 17.05.2013	Material Sciences	Physico chemical properties of some polymers solutions in binary systems of solvents	Prof. Amalendu Pal, Kurukshetra University, Kurukshetra	11,19,000/-	3
98.	(INT/Tunisia/P-08/2013) 17.07.2013	Microsystems	Design Modeling and fabrication of new CMOS MEMS sensors	Prof. V.Ramgopal Rao, Indian Institute of Technology Bombay, Mumbai	12,84,000/-	3
99.	(INT/Tunisia/P-09/2013) 23.08.2013	Medical Biotechnology	Analysis of the role of GNRA motifs within the IRES in the internal translation initiation and the cellular protein binding of live attenuated strains of Coxsackievirus B3	Dr.Saumitras Das, Indian Institute of Sciences, Bangalore	14,49,000/-	3
100.	(INT/Tunisia/P-10/2013) 11.09.2013	Biotechnology	Optimization of Poly-hydroxyalkanoate and Exopolysaccharides production by	Dr. Ambarish S. Vidyarthi, BIT, Mesra Ranchi	29,01,000/-	3

			growing rhizobial strains in industrial wastewater			
101.	(INT/Tunisia/ P-11/2013) 29.09.2013	Hydrology	Application of satellite remote sensing to support water resources management in the Medjerda watershed: Impacts on the hydrological and hydrogeological functioning in the lower valley of the basin.	Prof.Saumitra Mukherjee, Jawaharlal Nehru University, New Delhi	13,50,000/-	3
Partner Country: Thailand						
102.	DST/INT/TH AI/P-03/2012 13-05-2013	Biotechnology (Infectious Diseases)	Indo-Thailand Scientist Exchange Program for Technology Transfer and Identification of Dengue-Specific B and T Cell Responses	Dr. Anmol Chandele, International Center for Genetic Engineering and Biotechnology, New Delhi	4,52,000/-	2
Partner Country: Taiwan						
103.	GITA/DS T/TWN/P -53/2014 30-04-2014	Earth Sciences	Development of Earthquake Early Warning System for earthquake of Kachchh region of Gujarat, India.	Dr Santosh Kumar Sundriyal Scientist 'D' Institute of Seismological Research, Gandhinagar, Gujarat, 07966739023 sundriyal007@gm ail.com	22,41,300/-	3
104.	GITA/DST/T WN/P- 55/2014 30-04-2014	Information Communication & Technology	Automatic sample preparation and validation of biochemical assays on a microfluidic lab-on-a-chip (LoC).	Prof Bhargab B. Bhattacharya Professor & Head Advanced Computing and Microelectronics Unit Indian	26,92,800/-	3

				Statistical Institute, Kolkata, 203, B. T. Road, Kolkata 003-257530067 bhargab@isical.ac.in		
105.	GITA/DST/T WN/P- 57/2014 30-04-2014	Earth Sciences	The monitoring and simulation of coastal hydrodynamics of India and Taiwan.	Prof. BALAJI Ramakrishnan Assistant Professor Department of Civil Engineering, Indian Institute of Technology, Bombay 400076 9819857321 rbalaji@iitb.ac.in	12,76,800/-	3
106.	GITA/DST/T WN/P- 58/2014 30-04-2014	Information Communication & Technology	On-Chip Efficient Power Systems for Portable Mobile Appliances.	Prof. Somnath Maity Assistant Professor National Institute of Technology, Rourkela, Odisha. 769008 0661-246-2418 somnatheeiitkgp@gmail.com	19,71,050/-	3
107.	GITA/DST/T WN/P- 59/2014 30-04-2014	Electronics	Development of printing based micro-patterning technology for multilayered biomedical & electronic devices.	Dr Pankaj Doshi Senior Scientist CSIR-National Chemical Laboratory, Dr.Homi Bhabha Road Pune 020-25903074 p.doshi@ncl.res.in	23,98,800/-	3
108.	GITA/DST/T WN/P- 60/2014 30-04-2014	Chemical Engineering	Novel anode nanocatalysts and electrolyte for ethylene glycol as fuels for fuel cells.	Prof Suddhasatwa Basu Professor Department of Chemical Engineering, Indian Institute of Technology Delhi 011 26591021 sbasu@iitd.ac.in	22,51,300/-	3

109.	GITA/DST/T WN/P- 61/2014 30-04-2014	Physics	Fabrication and Characterization of Novel 3D Photonic Crystal Heterostructures for Enhanced Efficiency in Optical Devices.	Prof. Ramarao Vijaya Professor Dept of Physics, IIT Kanpur Indian Institute of Technology Kanpur 0512-2597552 rvijaya@iitk.ac.in	35,53,800/-	3
110.	GITA/DST/T WN/P- 62/2014 30-04-2014	Earth Sciences	Full 3D waveform Tomography and Lg attention for Kachchh, Gujarat, India.	Dr Ajay Pratap Singh Scientist 'B' Institute of Seismological Research, Raisan, Gandhinagar 07966739020 apsingh07@gmail. com	22,41,300/-	3

Partner Country: UK

111.	DST/INT/UK /P-29/2012 14-10-2013	Biomed	Networked infrastructure for the remote monitoring of patients	Dr. Anoop Lal Vyas , Instrument Design and Development Centre Indian Institute of Technology Delhi HauzKhas New Delhi 110016	19,93,200/-	2
112.	DST/INT/UK /P-32/2012 09-09-2013	Energy	Modelling& Control of Hybrid Renewable Energy Sources	Dr. Bidyadhar Subudhi , National Institute of Technology (NIT), Rourkela	17,62,000/-	2
113.	DST/INT/UK /P-33/2012 13-01-2014	Chemistry	Implementation of long-range electrostatic interactions in iterative Boltzmann inversion coarse grain molecular dynamics and its application to novel materials	Dr. Sudip Roy , Physical Chemistry Division National Chemical Laboratory Dr. HomiBhabhaRoad Pune 411008	12,64,000/-	2

114.	DST/INT/UK /P-34/2012 13-01-2014	Civil Engineering	Studies on Nano- Engineered Cementitious and Polymeric Binders in Developing High Performance Building Materials	Dr. L. P. Singh, CSIR-Central Building Research Institute Roorkee, 247667	14,44,000/-	2
115.	DST/INT/UK /P-35/2012 26-07-2013	Chemistry	Hybrid Quantum Mechanics/Molecula r Mechanics Calculation on Palladium Supported TiO2 for CO Oxidation	Prof. Ramesh C. Deka, Department of Chemical Sciences, Tezpur University, Napaam, Tezpur – 784 028, Assam	23,27,000/-	2
116.	DST/INT/UK /P-37/2012 10-10-2013	Physics	Nanocomposite Oxide Films with Enhanced Functionality for Novel Device Applications	Prof. NeerajKhare, Department of Physics, Indian Institute of Technology, Delhi	19,12,000/-	2
117.	DST/INT/UK /P-38/2012 26-07-2013	Bio	Development of nanocomposites alumina hydroxyapatite biocomposite coatings on real life Ti-based orthopedic bone implant substrate for enhanced service life	Dr. Geetha Manivasagam, Vellore Institute of Technology, Kanpur	19,24,400/-	2
118.	DST/INT/UK /P-40/2012 20-01-2014	Biomed	Development of a bacteriophage- based biocontrol technology for the treatment of cholera	Dr. B.L. Sarkar, National Institute of Cholera and Enteric Diseases, Vibrio Phage Reference Laboratory, P-33, CIT Road Scheme XM, P.O.Box 177 Beliaghata, Kolkata – 700010	29,47,200/-	2
119.	DST/INT/UK /P-41/2012 26-09-2013	Materials	Development and characterisation of nanomaterials for biosensors and biocatalysts	Dr. NarendraNathGh osh, Birla Institute of Technology & Science, Pilani	26,32,000/-	2

120.	DST/INT/UK/ P-42/2012 17-10-2013	Materials	Smart Materials: Development of Metal-coded protein biosensors based on molecularly imprinted polymers	Prof. Seshaiyah Kalluru, Department of Chemistry, Sri Venkateswara University, Tirupati	8,96,000/-	2
121.	DST/INT/UK /P-44/2012 26-07-2013	Materials	Nano-Engineered Magnetic Materials for Spintronic Applications	Dr. Anjan Barman, S.N. Bose National Centre for Basic Sciences, Block JD, Sector-III, Salt Lake, Kolkata- 700098	13,52,000/-	2
122.	DST/INT/UK /P-45/2013 10-10-2013	ICT	Active multicore components for next generation optical communications and sensing	Dr. Mukul Chandra Paul, Fiber Optics and Photonics Division Central Glass and Ceramic Research Institute Kolkata - 700032	14,12,000/-	2
123.	DST/INT/UK /P-46/2012 05-08-2013	Physics	Ultrafast Optical and Terahertz studies of the dilute Bismide alloys, GaN:Bi and GaAs:Bi	Dr. Rajeev N Kini, Indian Institute of Science, Education & Research, Thiruvananthapura m	12,22,000/-	2
124.	DST/INT/UK /P-47/2012 17-09-2013	Material	Development of novel nanocomposites for photonic applications	Dr. R. K. Khandal, Shriram Institute for Industrial Research 19, University Road, Delhi-110007	12,20,000/-	2
125.	DST/INT/UK /P-48/2012 29-10-2013	Bio	Discovery of DNA polyintercalators using Dynamic Combinatorial Chemistry	Dr. Jyotirmayee Dash, Indian Institute of Science, Education & Research-Kolkata, Mohanpur Campus, Mohanpur-741252, Nadia, WB	15,73,120/-	2

126.	DST/INT/UK /P-49/2012 09-10-2013	Material	Multifunctional paramagnetic nanoparticles-loaded polymer capsules for MRI imaging applications	Dr. Sri Sivakumar , Indian Institute of Technology, Kanpur	15,56,020/-	2
127.	DST/INT/UK /P-50/2012 11-09-2013	Bio	The effects of micro-environmental stress on the regenerative activity of mesenchymal stem cells	Dr. AnuradhaDhanasakaran , Center for Biotechnology Anna University Sardar Patel Road Chennai 600 025	18,03,200/-	2
128.	DST/INT/UK /P-51/2012 17-12-2013	Physics	Exploitation of carbon nanostructure-organic supramolecular electrodes for Lithium-ion batteries	Professor SampathSrinivasan , Department of Inorganic and Physical Chemistry Indian Institute of Science Bangalore 560012	13,64,000/-	2
129.	DST/INT/UK /P-52/2012 31-07-2013	Biomed	Conjugation of wild silk proteins with polymer brushes for biomedical applications	Dr. V. Shyam Kumar , Department of Biotechnology and Microbiology, Karnatak University, Dharwad-580003, Karnataka	19,84,400/-	2
Partner Country: Vietnam						
130.	INT/FRG/M OST/P- 27/2013 13-06-2013	Chemistry	Research cooperation on waste water treatment and application of cleaner leather manufacturing technologies	Dr. Narasimhan Kannan Chandrababu , Chief Scientist, CSIR-Central Leather Research Institute, Adyar, Chennai-600020	65,24,200/-	2