

International Division (Bilateral)
List of Approved Projects during FY 2014-15

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)	State
Partner Country: Australia							
1.	DST/INT/Aus/P-57/2013 05.05.2014	Information and Communication Technology	The Role of Noise In Silicon Based Quantum Computing	Dr. Arindam Ghosh Associate Professor Department of Physics Indian institute of science Bangalore 560012 Karnataka,	48,09,600/-	3	Karnataka
2.	DST/INT/Aus/P-58/2013 05.05.2014	Earth Science	What will the future be? Projecting environmental change in a warming world for semiarid landscapes	Dr. Sekhar Muddu Associate Professor Dept of Civil Engineering, Indian Institute of Science Malleswaram Bangalore, 560012	29,33,600/-	3	Bangalore
3.	DST/INT/AUS/P-60/2013 16.06.2014	Marine Sciences	Characterising the changing Indian Ocean's biogeochemistry and ecology using revolutionary new robotic tools	Dr. S.W.A. Naqvi Outstanding Scientist, Acting Director Chemical Oceanography, Director's Office CSIR-National Institute of Oceanography P.O. NIO, Dona Paula Goa 403004	34,38,600/-	3	Goa
4.	DST/INT/AUS/P-61/2013 05.05.2014	Information & Communication Technology	Innovative Solutions for Deployment of Big Data and Disaster Management	Dr. R.K. Shyamasundar Sr. Professor & JC Bose National Fellow School of	45,20,000/-	3	Mumbai

			Applications on Clouds	Technology and Computer Science Tata Institute of Fundamental Research Bombay – 400006			
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Partner Country: Austria

5.	INT/AUA/FW F/P-01/2013 22.04.2014	Chemistry	Electron correlation and spin-orbit coupling in 4d and 5d transition metal oxides: a joint experimental and theoretical frontier research (INDOX)	Dr. D. D. Sarma, Solid State and Structural Chemistry Unit, Indian Institute of Science Bangalore, Bangalore-560012	40,16,020/-	3	Bangalore
6.	INT/AUA/FW F/P-02/2013 22.04.2014	ICT	Energy-Aware Autotuning for Scientific Applications	Dr. Shajulin Benedict, HPCCLoud Research Laboratory, St.Xavier's Catholic College of Engineering, Chunkankadai, Kanyakumari District, Tamilnadu, India – 629003	17,05,680/-	3	Tamil Nadu

Partner Country: Bulgaria

7.	INT/BULGAR IA/P-9/12 26.06.2014	Nano-materials	Nano-Photocatalysis membrane in energy conversion for water treatment	Prof. Chiranjib Bhattacharjee Dept. of Chemical Engineering, Jadavpur University, Kolkata, 700 032	9,50,000/-	3	Kolkata
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Partner Country: Brazil

8.	INT/Brazil/P-01/2013 14.07.2014		Engineering Aspects of Manufacturing of Granular Rebaudioside A from Stevia leaves- Approach based on cost effective, environment friendly and energy efficient mechanism	Dr. B.N. Thorat, Dept. of Chemical Engineering, Institute of Chemical Technology, N M Parekh Marg, Matunga, Mumbai - 400019	28,77,285/-	3	Mumbai
9.	INT/Brazil/P-02/2013 07.07.2014		Crustal Evolution of high-grade metamorphic belts of south India: Massive charno-enderbitic rocks from the Luiz Alves craton, South Brazil	Prof. Samarendra Bhattacharya, Indian Statistical Institute, 203 B.T. Road, Kolkata – 700 108	7,40,350/-	2	Kolkata
10.	INT/Brazil/P-03/2013 19.06.2014		Integrated process development for maximizing production of bio-pigments and residual biomass as an energy feedstock from algae and its life cycle assessment (LCA)	Dr. Sandhya Mishra, CSIR- Central Salt and Marine Chemical Research Institute, Bhavnagar - 364002	36,07,110/-	3	Bhavnagar
11.	INT/Brazil/P-04/2013 15.07.2014	Coal Preparation, Separation Optimization	In Plant Evaluation and Comparison of the Separation Efficiencies for Different Coal Washing	Dr. Satyabrata Mohanta, Dept. of Chemical Engineering, Indian Gandhi Institute of	35,68,950/-	3	Odissa

			Devices	Technology, Sarang, Odisha - 759146			
12.	INT/Brazil/P- 05/2013 19.06.2014	Renewable Energy, and Low carbon technologies	Intensification of biodiesel synthesis from sustainable raw materials using cavitation reactors	Dr. Parag R. Gogate , Institute of Chemical Technology, Matunga, Mumbai - 400019	21,56,640/-	3	Mumbai
13.	INT/Brazil/P- 06/2013 23.06.2014	Earth Systems Sciences	Palaeofloristics of Lower Gondwana sediments of India and Brazil with special reference to palaeowild fire: Implications in palaeocology, Palaeoclimate and biostratigraphy	Dr. Rajni Tewari , Birbal Sahni Institute of Palaeobotany, 53, University Road, Lucknow – 226007	33,34,110/-	3	Lucknow
14.	INT/Brazil/P- 07/2013 29.05.2014	Earth Systems Sciences including Climate Change	Resolving mangrove carbon Indian and Brazilian Forests	Dr. Santosh Kumar Sarkar , Dept. of Marine Science, University of Calcutta, 35 Ballygunge Circular Road, West Bengal - 700019	30,97,110/-	3	West Bengal
15.	INT/Brazil/P- 08/2013 15.07.2014	New Materials	Synthesis and application of high performance poly (3,4-) ----- ---and application to organic electronic devices performance improvement	Dr. Anil Kumar Deptt. Of Chemistry, Indian Institute of Bombay, Mumbai – 400 076	29,74,110/-	3	Mumbai

16.	INT/Brazil/P-09/2013 26.06.2014	Iron Ore resource	BIF and BIF-hosted High-grade Iron Ore Deposits: A Comparative Study of Ore Genetic and Quality Control Attributes for Understanding the Giants of Brazil and India	Prof. Joydip Mukhopadhyay, Presidency University, 86/1 College Street, Kolkata - 700094	30,07,110/-	3	Kolkata
17.	INT/Brazil/P-10/2013 16.07.2014	Structural Biology	Development, Evaluation and Characterization of New----- -----Active Ingredients	Dr. Poonam Tandon, Deptt. Of Physics, University of Lucknow, Lucknow – 226 007	28,27,110/-	3	Lucknow
18.	INT/Brazil/P-11/2013 10.11.2014	Material Science	Investigation of hybrid polymer composites using chemically treated curaua and basalt fibers for medium-load applications	Dr. J.T. Winowlin Jappes, CAPE Institute of Technology, Levengipuram, Tirunelveli - 627614	31,57,110/-	3	Tirunelveli
19.	INT/Brazil/P-12/2013 19.06.2014	Renewable Energy and Low carbon technologies	Flexible and free-standing vanadium sulfides/nanocarbon (graphene, reduced graphene oxide, nanotubes) ----- ----- supercapacitor electrodes	Dr. Chandra Sekhar Rout, School of Basic Sciences (Physics), IIT Bhubaneswar, Bhubaneswar – 751 013	10,91,550/-	3	Bhubaneswar

20.	INT/Brazil/P-13/2013 18.06.2014	Materials Sciences and Nanotechnology	Studies on Cellulose Nanocrystals and Their Applications in Nanocomposites with Varying Technological Applications	Dr. Sabu Thomas, Mahatma Gandhi University, Kottayam, Kerela – 686 560	27,29,235/-	3	Kerela
21.	INT/Brazil/P-14/2013 26.06.2014		Modeling of Friction Stir Welding Process	Prof. Amitava De, Mechanical Engineering Department, Indian Institute of Technology, Mumbai - 400076	23,47,240/-	3	Mumbai

Partner Country: Belgium

22.	INT/BLG/P-2/2013 07.05.2014	Physics	“MPI4LHC- Study of new particles with CMS detector at the large Hadron Collider and heavy ion physics using LHC at CERN”	Dr Kajari Mazumdar, Department of High Energy Physics, Tata Institute of Fundamental Research (TIFR), Mumbai-400 005, India	14,40,000/-	3	Mumbai
23.	INT/BLG/P-3/2013 02.06.2014	Astrophysics	“COR-SEIS- Contemporary physical challenges for heliospherical and astrophysical models (CHARMS)/ national large scale telescope”	Dr Dipankar Banerjee, Indian Institute of Astrophysics (IIA), Bangalore	14,40,000/-	3	Bangalore
24.	INT/BLG/P-4/2013 02.06.2014	Chemistry	“SYNDELGE- Microwave assisted synthesis of proemimetics for the inhibition of	Dr BK Singh, Department of Chemistry, University of Delhi (DU), Delhi	14,40,000/-	3	New Delhi

			the interaction of HIV-integrase and cellular cofactor”				
25.	INT/BLG/P-5/2013 02.06.2014	Physics	“HT@LHC-Fundamental interactions at the boundary of theory, phenomology and experiment (F-I.be)”	Professor Rohini Godbole , Indian Institute of Science (Iisc), Bangalore	14,40,000/-	3	Bangalore

Partner Country: Finland

26.	INT/Fin/P-12/2015 30.01.15	Renewable Energy	Novel Semiconductor Nanowire Photovoltaics (NWIRES)	Prof. Sujeet Chaudhary , IIT Delhi	43,54,800/-	3	New Delhi
27.	INT/Fin/P-13/2015 30.01.15	Renewable Energy	Photovoltaic (PV) based grid-interactive and off-grid electricity system	Dr. Chandrashekhar N. Bhende , IIT, Bhubneswar	34,06,800/-	3	Bhubneswar

Partner Country: Germany (DST-DAAD)

28.	INT/FRG/DA AD/P-235/2014 10.09.2014	Physics	Spin Current Generation and Detection Using Ferromagnetic Insulator/Non magnetic Metal (FMI/NM) Hybrids	Dr. M.S. Ramachandra Rao , Department of Physics, Nano Functional Materials Technology Centre and Room # 113, Materials Science Research Centre, IIT Madras, Chennai-600036	4,61,600/-	2	Chennai
29.	INT/FRG/DA AD/P-236/2014 10.09.2014	Physics	Resonators in nearly-periodic nanostructured semiconductors	Dr. Sushil Mujumdar , Reader ‘F’, Nano-optics and Mesoscopic Optics Laboratory, Tata Institute of Fundamental	4,36,000/-	2	Mumbai

				Research, Mumbai, 400005			
30.	INT/FRG/DA AD/P- 237/2014 10.09.2014	Physics	Enhanced ion temperature at solid density via laser-induced shocks in heterogeneous targets	Dr. Bhuvanesh Ramakrishna , DST-Ramanujan fellow, Laser Plasma Division, Raja Ramanna Centre for Advanced Technology (RRCAT), Indore-452013	10,70,000/-	2	Indore
31.	INT/FRG/DA AD/P- 238/2014 10.09.2014	Life Sciences	Towards a better mechanistic understanding of colonization: Biogeographic analysis and population genetics of two highly invasive Asteraceae species	Dr. Manzoor A Shah , Sr. Assistant Professor, Professor for Plant Ecology, Department of Botany, Institute of Biology, University of Kashmir, Srinagar, J&K	7,23,000/-	2	J&K
32.	INT/FRG/DA AD/P- 239/2014 10.09.2014	Engineering	A geometric approach to modeling, discretization and control of mechanical systems	Prof. Ravi N Banavar , Systems and Control, IIT Bombay	8,90,000/-	2	Mumbai
33.	INT/FRG/DA AD/P- 240/2014 29.09.2014	Chemistry	"PyrTreatIndia" »Alternative Fuels for a Decentralised Power Generation in India	Dr. Thallada Bhaskar , CSIR-Indian Institute of Petroleum, Bio-Fuels Division, Haridwar Road, Mohkampur, Dehradun-248005	3,90,000/-	2	Dehradun
34.	INT/FRG/DA AD/P- 241/2014 24.09.2014	Chemistry	Printing of Defect Free Poly(3-hexylthiophene) and Poly(3,4-ethylenedioxythiophene): A	Dr. Anil Kumar , Chemistry Department, IIT Bombay, Powai Mumbai 400076	6,20,000/-	2	Mumbai

			Step Towards Printable Organic Electronics for Transparent Conducting Electrode, Hole Transport Layer and Active Semiconducting Layer				
35.	INT/FRG/DA AD/P- 243/2014 10.09.2014	ICT	Non-equilibrium Dynamics and Predictability of Plankton Communities in a Seasonal Environment	Dr. Partha Sharathi Dutta , Assistant Professor, Department of Mathematics, Indian Institute of Technology (IIT) - Ropar, Nangal Road, Rupnagar, Punjab-140 001	6,80,000/-	2	Punjab
36.	INT/FRG/DA AD/P- 244/2014 10.09.2014	Physics	Electronic structure of correlated electron systems	Dr. Kalobaran Maiti , Professor, Tata Institute of Fundamental Research, Homi Bhabha Road, Colaba, Mumbai 400005	4,63,000/-	2	Mumbai
37.	INT/FRG/DA AD/P- 245/2014 10.09.2014	Chemistry	Stimuli-responsive fluorescent reporters with red emission for biomarker analysis utilizing pH-activatable dyes and aggregation-induced emission	Dr. N. Sekar , Professor, Department of Dyestuff Technology, Institute of Chemical Technology (former UDCT), Matunga, Mumbai-400019	11,12,500/-	2	Mumbai

Partner Country: Germany (DST-DFG)

38.	INT/FRG/DFG /P-41/2014 23.06.2014	Chemistry	Metal@MOFs catalyst materials fabricated by solvated metal atom dispersion (SMAD) approach	Prof. Balaji R. Jagirdar , Dept. of Inorganic & Physical Chemistry, Indian Institute of Science, Bangalore 560 012	20,64,500/-	3	Bangalore
39.	INT/FRG/DFG /P-42/2014 23.06.2014	Chemistry	Synthesis of Hydrolytically Stable Metal Organic Frameworks by Control of Inner Surface Hydrophobicity	Dr. Parimal K. Bharadwaj , Department of Chemistry, Indian Institute of Technology Kanpur, Kanpur-208016, U.P.	22,05,680/-	3	Kanpur
40.	INT/FRG/DFG /P-43/2014 15.05.2014	Chemistry	Development of novel strategies towards the synthesis of N-heterocycles using isocyanide-based multicomponent reactions	Dr. P M S Chauhan , Scientist-F, Medicinal and Process Chemistry Division, CSIR - Central Drug Research Institute, Lucknow 226001	20,88,300/-	3	Lucknow
41.	INT/FRG/DFG /P-44/2014 23.06.2014	Chemistry	Organic Synthesis in Chiral Melts and Solid Mixtures	Prof. Sundarababu Baskaran , Department of Chemistry, IIT Madras, Chennai-600036	40,45,520/-	3	Chennai

Partner Country: Israel

42.	DST/INT/ISR/ P-9/2014 22.12.2014	Material Engineering – Energy Storage/renewable energy	CO ₂ Methanation on Hexagonal Cobalt Nanoparticles Embedded over Carbon Nanodisks and Crystalline Mesoporous	Dr. G. Satish kumar Assistant professor Materials chemistry division School of advanced sciences Vit university Vellore-632 014 Tamilnadu	13,80,000/-	2	Tamilnadu
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			Carbon/Silica Composite				
43.	DST/INT/ISR/ P-10/2014 23.12.2014	Material Engineering – Energy Storage/renewable energy	Enhancing the cycling stability and rate performance of positive materials for Li-ion and Na-ion batteries	Prof. N. Munichandraiah Dept. of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore-560012	18,14,000/-	2	Bangalore
44.	DST/INT/ISR/ P-11/2014 09.12.2014	Material Engineering – Energy Storage/renewable energy	Spectroscopic Investigation of the Core-Shell and Ternary Quantum Dots for Quantum Dot Solar Cells	Dr. Sayan Bhattacharyya Assistant Professor Dept of Chemical Sciences Indian Institute of Science Education & Research (IISER) Kolkata Mohanpur Campus, Mohanpur-741252 West Bengal	21,13,000/-	2	West Bengal
45.	DST/INT/ISR/ P-12/2014 09.12.2014	Material Engineering – Energy Storage/renewable energy	Development of plasmonic metal hybrid electrode system for II-VI quantum dot sensitized solar cells (QDSSCs): realization of carrier multiplication for better efficiency	Dr. Ambesh Dixit Assistant Professor Center for Energy Indian Institute of Technology Jodhpur Old Residency Road, Ratanada, Jodhpur, Rajasthan, 342011	20,34,000/-	2	Rajasthan
46.	DST/INT/ISR/ P-13/2014 02.01.2015	Materials Engineering – Energy storage/renewable energy	High Voltage Hybrid Perovskite Solar Cells – from Device to Stability	Dr. Shaibal K Sarkar Assistant Professor Dept of Energy Science and Engineering Indian Institute of Technology Bombay Powai, 400076 Mumbai	26,05,600/-	2	Mumbai

Partner Country: Japan

47.	DST/INT/JSPS /P-171/2014 19.05.2014	Fundamental Sciences Physical and Chemical Systems	Activation of O ₂ molecule by porous coordination polymer and direct observation of its magnetic behaviour	Dr. Maheswaran Shanmugam Dept of Chemistry Indian Institute of Technology Bombay, Powai, Mumbai, Maharashtra- 400076	9,75,000/-	2	Mumbai
48.	DST/INT/JSPS /P-172/2014 19.05.2014	Fundamental Sciences Physical and Chemical Systems	Control of Assembly Structures of Spin-polarized Organic Molecules for Molecular electronics and Spintronics	Prof. Amlan J. Pal Dept of Solid State Physics Indian Association for the Cultivation of Science, Kolkata Jadavpur, Kolkata 700032	6,28,000/-	2	Kolkata
49.	DST/INT/JSPS /P-173/2014 28.05.2014	Fundamental Sciences Physical and Chemical Systems	Multifunctiona l heterogeneous catalytic system for the production of GVL from biomass derived C ₅ molecules	Dr. C. V. Rode, Chemical Eng. and Process Development National Chemical Laboratory, Pune Dr. Homi Bhabha Road, Pune – 411 008	6,36,000/-	2	Pune
50.	DST/INT/JSPS /P-174/2014 19.05.2014	Materials and System Engineering Man-made Systems	Organoboron organic- inorganic hybrids as Solid Electrolyte for Li Batteries with Graphene based Anodes	Dr. N. Rajalakshmi Centre for Fuel cell Technology International Advanced Research center for powder metallurgy & New Materials IITM, Research Park, II floor, Phase, 1, Kanagam Raod, Taramani, Chennai 600113	7,44,000/-	2	Chennai

51.	DST/INT/JSPS /P-175/2014 23.07.2014	Materials and System Engineering Man-made Systems	Development of spin-based semiconductor nano-electronic devices using ferromagnetic Silicide nanoro	Dr. Rajesh Kumar Dept of Physics & Materials Science Jaypee University of Information Technology Waknaghat Solon – 173234 (H.P.)	7,20,000/-	2	Solan
52.	DST/INT/JSPS /P-176/2014 19.05.2014	Materials and System Engineering Man-made Systems	The development of eco-friendly LED based on nano-structured ZnO crystals	Dr. I.A. Palani School of Engineering Mechanical engineering discipline Indian Institute of Technology Indore PACL building, opposite veterinary college AB.Road Mhow District Indore, M.P.-453441	4,76,000/-	2	Indore
53.	DST/INT/JSPS /P-177/2014 11.07.2014	Materials and System Engineering Man-made Systems	Development of novel high strength harmonic Ti-Nb-Sn compositions for biomedical applications	Dr. Suhash Ranjan Dey Dept of Materials Science & Engineering Indian Institute of Technology Hyderabad Ordnance Factory Estate, Yeddumailaram, Medak, Andhra Pradesh - 502205	12,32,000/-	2	Andhra Pradesh
54.	DST/INT/JSPS /P-178/2014 02.12.2014	Materials and System Engineering Man-made Systems	Design of Surface Force Apparatus and tribological studies of soft boundary lubricants	Dr. Sujeet Kumar Sinha, Dept of Mechanical Engineering Indian Institute of Technology, Delhi - 110016	3,38,000/-	2	New Delhi
55.	DST/INT/JSPS /P-179/2014 19.05.2014	Materials and System Engineering Man-made	A new drug delivery method by ceramic	Dr. P.R. Harikrishna Varma, Biomedical	5,86,000/-	2	Thiruvananthapuram

		Systems	modified superparamagnetic nanoparticles incorporated polymeric microspheres	technology wing Sree chitra tirunal institute for medical sciences and technology Poojappura, Thiruvananthapuram-695012			
56.	DST/INT/JSPS /P-180/2014 18.06.2014	Materials and System Engineering Man-made Systems	Design and Development of Micro-structured Optical Components for Photonic Integrated Circuit (PICs) applications	Dr. Ghanshyam Singh Dept of Electronics and Communication Engineering Malaviya National Institute of Technology Jaipur J.L.N. Road, Jaipur-302017 Rajasthan	4,56,000/-	2	Rajasthan
57.	DST/INT/JSPS /P-181/2014 06.06.2014	Natural Systems Life Sciences & Bioengineering	Cancer drug target discovery by shRNA genome-wide screen against active plant extracts	Dr. Binay Panda Dept. Bio-IT Centre Institute of Bioinformatics and Applied Biotechnology (IBAB) Biotech Park, Electronic City Phase I, Bangalore 560100	6,36,000/-	2	Bangalore
58.	DST/INT/JSPS /P-182/2014 25.09.2014	Natural Systems Life Sciences & Bioengineering	Characterization of the Chandipura virus with receptor and the downstream infection process: Role of Host machinery	Prof. Dhrubajyoti Chattopadhyay Dept. of Biotechnology University of Calcutta, Kolkata, 35, Ballygunj Circular Road, Kolkata-700019, West Bengal	5,90,000/-	2	West Bengal
59.	DST/INT/JSPS /P-183/2014 27.05.2014	Natural Systems Life Sciences & Bioengineering	Nanobiology to investigate EngA-ribosome and ribosome – ribosome	Dr. Balaji Prakash Dept of Biological Sciences and Bioengineering Indian Institute of	5,76,000/-	2	Uttar Pradesh

			interaction	Technology Kanpur, Kanpur. 208016 Uttar Pradesh			
60.	DST/INT/JSPS /P-184/2014 15.05.2014	Natural Systems Life Sciences & Bioengineeri ng	Construction of a novel bioartificial liver support system	Dr. Ashok Kumar Dept. of Biological Sciences & Bioengineering Indian Institute of Technology Kanpur, 208016- Kanpur (UP)	6,36,000/-	2	Kanpur
61.	DST/INT/JSPS /P-185/2014 19.05.2014	Natural Systems Life Sciences & Bioengineeri ng	Design and synthesis of Porphyrin- based photosensitizer s as anticancer agents	Prof. Dalip Kumar Dept of Chemistry Birla Institute of Technology and Science, Pilani, Pilani -333 031	4,21,000/-	2	Pilani
62.	DST/INT/JSPS /P-186/2014 19.05.2014	Natural Systems Life Sciences & Bioengineeri ng	Complex combinatorial control of the balance between two bacterial lifestyles: planctonic and biofilm	Dr. Aswin Sai Narain Seshasayee Biochemistry, Biophysics and Bioinformatics National Centre for Biological Sciences Tata Institute of Fundamental Research, Bangalore GKVK, Bellary Road, Bangalore 560065	3,63,000/-	2	Bangalore
63.	DST/INT/JSPS /P-187/2014 19.05.2014	Natural Systems Life Sciences & Bioengineeri ng	Molecular characterizatio n of Indian isolate(s) of Densovirus (DENV) and viral resistance gene in the host, silkworm Bombyx mori	Dr. K. M. Ponnuvel Dept of Genomics Division Seribiotech Research Laboratory, Central Silk Board, Carmelram Post Sarjapura Road, Kodathi, Bangalore –	6,40,000/-	2	Bangalore

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64.	DST/INT/JSPS /P-188/2014 19.05.2014	Natural Systems Life Sciences & Bioengineering	High resolution linkage map and draft genome sequencing in horsegram (Macrotyloma uniflorum)	Dr. Rakesh K. Chahota , Dept of Agricultural Biotechnology CSK HP Agricultural University, Palampur-176062 (HP)	5,26,000/-	2	Himachal Pradesh
65.	DST/INT/JSPS /P-189/2014 02.06.2014	Astronomy, Space, Earth System and Sciences	Observational investigation of PAH and dust features in galactic and extra-galactic environments	Dr. Amit Pathak Dept of Physics Tezpur University, Napaam, Tezpur – 784 028	9,16,000/-	2	Tezpur
66.	DST/INT/JSPS /P-190/2014 28.05.2014	Astronomy, Space, Earth System and Sciences	Archean craton-margin orogenic events and SHRIMP age dating: geodynamic significance of India during Ur and Columbia supercontinents	Dr. Sankar Bose Dept of Geology, Presidency University 86/1 College Street Kolkata 700073	6,98,000/-	2	Kolkata
67.	DST/INT/JSPS /P-191/2014 27.05.2014	Mathematics and Computational Science	Computational Aspects of Mathematical Design and Analysis of Secure Communication Systems Based on Cryptographic Primitives	Dr. Sushmita Ruj R C Bose Center for Cryptology and Security Indian Statistical Institute, Kolkata, 203 B.T. Road, Kolkata 700108	6,16,000/-	2	Kolkata
68.	DST/INT/JSPS /P-192/2014 02.06.2014	Mathematics and Computational Science	Knot Invariants and Geometric Manifolds	Dr. Krishnendu Gongopadhyay Dept of Mathematics Indian Institute of Science Education and Research (IISER) Mohali	4,52,000/-	2	Manauli

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Partner Country: JST

69.	DST/INT/JST/ P-25/2014 05.09.2014	Medical diagnostics for early detection, particularly for infectious diseases	Improvement of the accuracy of differential diagnosis against viral infection – DENV, CHIKV, and FluV – by spreading of high quality RDT in India	Dr. Sujatha Sunil , Insect Resistance Group International Centre for Genetic Engineering and Biotechnology, New Delhi Aruna Asaf Ali Marg New Delhi -110 067	59,49,000/-	3	New Delhi
70.	DST/INT/JST/ P-26/2014 16.10.2014	Medical diagnostics for early detection, particularly for infectious diseases	Identification of biomarkers for infection-induced reactive arthritis based on the inflammation amplifier	Dr. Ramnath Misra , Department of Clinical Immunology, Sanjay Gandhi Post Graduate Institute of Medical Sciences Raebareli Road, Lucknow- 226014	38,52,500/-	3	Lucknow
71.	DST/INT/JST/ P-27/2014 28.11.2014	Biomedical Research Medical diagnostics for early detection, particularly for infectious diseases	Role of TLRs in patients with severe complicated malaria due to Plasmodium vivax and the development of diagnostic method for predicting the severity	Prof. Rakesh Sehgal , Department of Medical Parasitology Research Postgraduate Institute of Medical Education and Research, Block A, Ground Floor, Chandigarh-160012	47,50,000/-	3	Chandigarh

Partner Country: Netherland

72.	INT/NL/SEG/ P-1/2014 06.06.2014	Energy	“Energy management strategies for inter-connected smart mircogrids”	Professor Harish Pillai , Indian Institute of Technology (IITB), Mumbai	75.00 LAKHS	4	Mumbai
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73.	INT/NL/SEG/P-2/2014 (G) 04.08.2014 INT/NL/SEG/P-2/2014 (c) 03.07.2014	Energy	“Adaptive clustering for decentralized resilient energy management (ADREM)”	Prof. Sri Niwas Singh , Department of Electrical Engineering, Indian Institute of Technology (IITK), Kanpur-208016, Uttar Pradesh	71.32 LAKHS	4	Uttar Pradesh
74.	INT/NL/SEG/P-3/2014 (G) INT/NL/SEG/P-3/2014 (C) 29.09.2014	Energy	“Design and Development of high-performance Multi-functional Modular Multilevel Converter Topologies for renewable energy integration in smart dc grid (M3C)”	Prof. M.Veerchary , Department of Electrical Engineering, Indian Institute of Technology Delhi, Hauz Khas, New Delhi-110 006	109.06 LAKHS	4	New Delhi
75.	INT/NL/FM/P-001/2013 05.05.2014	Energy	Graphene Spintronics with Complex Oxides	Prof. Arindam Ghosh , Indian Institute of Science, Bangalore	85.42 LAKHS	4	Bangalore

Partner Country: New Zealand

76.	DST/INT/NZ/P-2/2013 04.08.2014	Food Science	“Development of resilient probiotic foods designed for the Indian Market conditions”	Dr. R.K.Malik , Principal Scientist & Head, Dairy Microbiology Division, National Dairy Research Institute, Karnal-132 001	87,74,800/-	2	Karnal
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Partner Country: Portugal

77.	INT/Portugal/P-01/2013 19.06.2014	Nano-materials	Investigation on plastic behavior of aluminium alloys during friction stir welding and its effect on	Dr. D K Dwivedi , Mechanical & Industrial Engineering Department, Indian Institute of Technology, Roorkee-247667	6,45,000/-	3	Roorkee
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			weldability				
78.	INT/Portugal/ P-02/2013 23.05.2014	Engineering Sciences	Solid state high energy density Lithium ion rechargeable batteries	Dr. Rakesh Kumar Sharma Indian Institute of Technology, Rajasthan, 3106 Administrative Block. Rajasthan – 342011	6,45,000/-	3	Rajasthan
79.	INT/Portugal/ P-03/2013 23.05.2014	Energy	Coherent localized Structures in higher - dimensional multicomponen t nonlinear system: stability and interaction	Dr. K Porsezian, Dept. of Physics, Pondicherry University, Pudecherry- 605014	5,14,000/-	3	Pudecherry
80.	INT/Portugal/ P-04/2013 25.06.2014	ICT	Nano-size materials anchored by metal complexes catalysts - synthesis and application in hydrocarbons oxidation (O ₂) and hydro- isomerization reactions	Prof. Suman Mukhopadhyay, School of Basic Sciences, Indian Institute of Technology, IET- DAVV campus, Khandwa Road. Indore-452017	5,33,000/-	3	Indore
81.	INT/Portugal/ P-05/2013 26.06.2014	Materials	Molecular simulation study of the wetting behaviour of polymer grafted silica surfaces	Prof. Jayant K Singh, Indian Institute of Technology, Kanpur- 208016	4,63,000/-	3	Kanpur
82.	INT/Portugal/ P-06/2013 23.05.2014	Materials	Screening of Agriculturally Important Extremophiles from India and Portugal to develop	Prof. A. N Pathak, Dept. of Biologia Vegetal, Amity Institute of Biotechnology, Amity University Rajasthan,	5,89,000/-	3	Rajasthan

			technology for scale-up of new Bio-fertilizers for Cereal and Leguminous Crops	Rajasthan-302006			
83.	INT/Portugal/ P-07/2013 12.05.2014	Agri-Biotech	Study of energy efficient soft magnetic amorphous and nanocrystalline alloys	Dr. Shashank N Kane , School of Physics, Devi Ahilya University, Khandwa Road Campus. Indore-452001	6,04,000/-	3	Indore
84.	INT/Portugal/ P-08/2013 23.05.2014	Materials	Experimental and numerical study of entrainment phenomena in stratified liquid layers by imposing rotary motion	Prof. Arup Kumar Das , Dept. of Mechanical Engineering, NIT, Rourkela, Orissa-769008	5,01,800/-	3	Orissa
85.	INT/Portugal/ P-09/2013 03.06.2014	Chemical Engineering	Exploitation of functionally graded polymer nanocomposites for microwave absorbers	Dr. K. P Surendran , National Institute of Interdisciplinary Science & Technology (CSIR-NIIST), Trivandrum-695019	6,64,000/-	3	Trivandrum
86.	INT/Portugal/ P-11/2013 26.06.2014	Materials	Intensification of Enzymatic reaction using Sonochemical reactors	Dr. Parag R Gogate , Institute of Chemical Technology, Matunga, Mumbai-400019	5,29,000/-	3	Mumbai
87.	INT/Portugal/ P-12/2013 07.05.2014	Biotech	Development of Novel Organic-Inorganic Antimicrobial Composites for Bone Infections: Using	Dr. Jayanta Haldar , New Chemistry Unit Jawaharlal Nehru Centre for Advanced Scientific Research, Jakkur. Bangalore-560064	5,41,000/-	3	Bangalore

			Lanthanides doped novel glassy materials associated with Hydroxyapatite and Antimicrobial Polymer				
88.	INT/Portugal/ P-13/2013 19.06.2014	New Material	Transparent --- --Electrodes For Organic Light Emitting Diodes and Photovoltaics	Dr. Pawan Kumar Tyagi, Department of Applied Physics, Delhi Technological University, Shahabad, Daulatpur, Bawana Road. New Delhi- 110042	5,29,000/-	3	New Delhi
89.	INT/Portugal/ P-14/2013 23.05.2014	Energy	Development of novel thermophilic glycoside hydrolases and carbohydrate binding modules and exploiting their properties for bioethanol production and for food and industrial applications	Dr. Arun Goyal, Dept. of Biotechnology, Indian Institute of Technology, Guwahati, Assam- 781039	8,04,000/-	3	Assam
90.	INT/Portugal/ P-15/2013 25.06.2014	Biotech	Development of Novel Compounds for the Treatment of Neural Complications of Diabetes	Prof. P Yogeeswari, Dept. of Pharmacy, Birala Institute of Technology & Science- Pillani, Hyderabad-500078	6,04,000/-	3	Hyderabad
91.	INT/Portugal/ P-16/2013 23.04.2014	Health Sciences	Study of DcAOZ Genes Functionality Associated with Cell	Prof. R Sathishkumar, Dept. of Biotechnology, Plant Genetic	5,55,000/-	3	Tamilnadu

			Reprogramming under Abiotic Stresses	Engineering Lab, Bharathiar University, Tamilnadu-641046			
92.	INT/Portugal/ P-17/2013 07.05.2014	Biotech	Functionalized Nano-antimalarials: Design, Synthesis and Structural Aspects of Novel	Dr. Boyina Rupini , School of Agriculture, Indira Gandhi National Open University, Maidan Garhi. New Delhi-110068	5,64,000/-	3	New Delhi
Partner Country: Russia							
93.	INT/RUS/RFB R/P-162 05.05.2014	Physics	Chern-Simons theory and colored knot invariants	Dr. Ramadevi Pichai , Professor, Dept of Physics, IIT Bombay, Powai, Mumbai	13,79,600/-	2	Mumbai
94.	INT/RUS/RFB R/P-163 04.08.2014	ICT	Harmonic Quasiconformal Mappings	Prof. S. Ponnusamy Professor and Head, ISI Chennai Centre, SETS, MGR Knowledge City, CIT Campus, Taramani, Chennai - 600 113	13,81,600/-	2	Chennai
95.	INT/RUS/RFB R/P-164 06.05.2014	Mathematics	Hybrid Nature Inspired Algorithms for Optimization Problems in Financial Mathematics	Dr. Millie Pant Associate Professor Department of Applied Science and Engineering IIT Roorkee	19,52,200/-	2	Roorkee
96.	INT/RUS/RFB R/P-165 18.06.2014	Astrophysics	Study of the Role of Magnetic Fields in the Flaring and Eruptive Regions of the Solar Atmosphere	Dr. Wahab Uddin Scientist F Aryabhata Research Institute of Observational Sciences (ARIES) Manora Peak, Nainital-263 002, Uttarakhand	13,61,600/-	2	Uttarakhand

97.	INT/RUS/RFB R/P-166 24.04.2014	Physics	Magnetism in low dimensional quantum spin systems	Professor Tanushree SahaDasgpta , SN Bose National Centre for Basic Sciences, Kolkata	10,47,600/-	2	Kolkata
98.	INT/RUS/RFB R/P-167 23.04.2014	Astrophysics	Magnetic activities in low mass stars	Dr. J.C.Pandey , Scientist 'D' Aryabhata Research Institute of Observational Sciences (ARIES), Manora Peak, Nainital – 263 002	12,78,000/-	2	Nainital
99.	INT/RUS/RFB R/P-168 28.04.2014	Physics	Pressure effect on magnetic and transport properties of highly anisotropic systems spin ladder and decagonal quasicrystalline single crystals	Prof. S. Arumugam Coordinator Centre for High Pressure Research School of Physics Bharathidasan University Tiruchirappalli - 620 024	16,10,600/-	2	Tiruchirappalli
100.	INT/RUS/RFB R/P-169 25.04.2014	Chemistry	Exploring Nitrogen-Based Heterocycles from Benchside to Bedside: Synthesis, Chemistry, StereoChemical Assignment, Structure-Activity Relationship Studies and Biological Evaluation	Prof. Sandeep Chaudhary , Department of Chemistry & Material Research Centre (Centre of Excellence) Malaviya National Institute of Technology, Jawaharlal Nehru Marg, Jaipur-302017, Rajasthan	26,23,600/-	2	Rajasthan
101.	INT/RUS/RFB R/P-170 21.05.2014	Chemistry	Synthesis and studies on catalytic performance of novel ion-tagged	Dr. Easwar Srinivasan Assistant Professor School of Chemical Sciences and Pharmacy,	25,06,200/-	2	Rajasthan

			recyclable chiral Organocatalysts generated from suitable dipeptides	Central University of Rajasthan, Bandarsindri, Distt. Ajmer, Rajasthan 305801			
102.	INT/RUS/RFB R/P-171 04.08.2014	Chemistry	Sorption and Speciation of Radionuclides on Clay Suspensions	Dr. A. Goswami Head, Radiochemistry Division, Bhabha Atomic Research Centre (BARC), Trombay, Mumbai-400085	11,64,800/-	2	Mumbai
103.	INT/RUS/RFB R/P-172 25.04.2014	Chemistry	Novel condensed heterocyclic systems with varying positions of nitrogen and chalcogen heteroatoms in the rings based on nitrogen heterocycles bearing vinyl-, allyl- and propargylchalcogeno groups	Professor K.K. Bhasin CAS Co-ordinator Department of Chemistry & Centre of Advanced Studies in Chemistry, Panjab University, Chandigarh - 160 014	12,96,000/-	2	Chandigarh
104.	INT/RUS/RFB R/P-173 07.05.2014	Biology	Molecular mechanisms of inhibiting acting of polycyclic aromatic hydrocarbons (PAHs) on photosystem 2	Dr. Anjana Jajoo Reader, School Of Life Sciences, Devi Ahilya University, Indore 452 017, M.P	15,36,200/-	2	Madhya Pradesh
105.	INT/RUS/RFB R/P-174 07.05.2014	Biology	Functional characterization of new photoreceptor proteins and ion channels in the microalga Chlamydomonas reinhardtii using	Suneel Kateriya Assistant Professor Department of Biochemistry University of Delhi South Campus, Benito Juarez Road, New Delhi India-110021	26,16,400/-	2	New Delhi

			functional genomics methods				
106.	INT/RUS/RFB R/P-175 05.05.2014	Biology	Elucidating the linkage between key limiting processes and microorganisms during anaerobic degradation of lignocellulosic waste	Dr Gunjan Goel , Assistant Professor Department of Biotechnology and Bioinformatics, Jaypee University of Information Technology, Wazirpur, Solan-173234	23,98,400/-	2	Solan
107.	INT/RUS/RFB R/P-176 09.05.2014	Earth Sciences	Diagnosis of increased seismic hazard in Himalayas and adjacent territories	Dr Imtiyaz A PARVEZ Senior Scientist CSIR Fourth Paradigm Institute (Formerly CSIR Centre for Mathematical Modelling and Computer Simulation) NAL Belur Campus, Bangalore – 560037	13,17,600/-	2	Bangalore
108.	INT/RUS/RFB R/P-177 29.04.2014	Engineering Sciences	Development a new method of regime characteristics assessment for wind and waves along the Indian coast	Dr. S.A. Sannasiraj Professor Department of Ocean Engineering Indian Institute of Technology Madras Chennai 600 036	18,36,000/-	2	Chennai
109.	INT/RUS/RFB R/P-178 06.05.2014	ICT	Design of Multilingual Lexical Knowledge Network	Prof. Pushpak Bhattacharyya Center for Indian Language Technology, Indian Institute of Technology, Bombay	16,56,000/-	2	Mumbai

110.	INT/RUS/RFB R/P-179 29.04.2014	Engineering Sciences	Dynamic processes under heat release in porous media and microchannels	Sudarshan Kumar Assistant Professor Department of Aerospace Engineeirng, IIT Bombay, Powai Mumbai -76 India	18,88,800/-	2	Mumbai
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Partner Country: South Africa

111.	INT/SIN/P01 09.12.14	Renewable Energy	Flexible and High Performance Perovskite based solar cells on Graphene Electrodes	Dr. Manu Jaiswal, IIT Madras	42,75,800/-	3	Madras
112.	INT/SIN/P02 14.01.15	Mechanical Engineering	Nucleate boiling on passive and active flexible micro- structured surfaces	Dr. Amitabh Bhattacharya, IIT Bombay	30,10,800/-	3	Mumbai
113.	INT/SIN/P03 17.12.14	Advance Materials	Soft active dielectric for human-motion based energy harvesting	Dr. Karali Partra, IIT Patna,	41,14,200/-	3	Patna
114.	INT/SIN/P04 14.01.15	Renewable Energy	Porphyrin, chlorine and isopholrin based near- infrared dyes for high- efficiency dyesensitized solar cells: an inspiration from the nature	Dr. V.G. Ananad, ISER Pune	49,75,800/-	3	Pune
115.	INT/SIN/P05 28.01.15	Advanced Materials	Crystalline Porus Nanomaterials and Membrane composite/Hyb rid for Water Purification	Dr. Rahul Banerjee, NCL, Pune,	37,75,800/-	3	Pune

Partner Country: South Africa

116.	INT/South Africa/P-01/2014 30.06.2014	Astronomy	Multi-Wavelength Studies of Accretion Phenomena with ASTROSAT and SALT	Prof. K. P Singh, Tata Institute for Fundamental Research, Mumbai	16,42,200/-	3	Mumbai
117.	INT/South Africa/P-02/2014 03.06.2014	Astronomy	Observations and analysis of stars in the Kepler field	Dr. Yogesh Chandra Joshi, ARIES, Manora Peak, Nainital	31,50,600/-	3	Nainital
118.	INT/South Africa/P-03/2014 30.05.2014	Biotechnology	Modification, Characterization and application of naturally occurring biomaterials for the removal of toxic contaminants from industrial wastewater	Dr. Vinod Kumar Gupta, Dr. Ram Manohar Lohia Awadh University Faizabad	33,75,480/-	3	Faizabad
119.	INT/South Africa/P-04/2014 04.06.2014	Health Sciences	Elucidating the structural basis and biochemical mechanism of allosteric regulation in cofactor biosynthetic enzymes	Prof. Ruchi Anand Indian Institute of Technology Powai, Mumbai	27,96,000/-	3	Mumbai
120.	INT/South Africa/P-05/2014 06.06.2014	Indigenous Knowledge Systems	Pharmacological evaluation of medicinal plants from India and South Africa based on Indigenous Knowledge for anticancer and antituberculosis potential	Dr. S.P. Dhanabal, JSS College of Pharmacy, Ooty	29,49,000	3	Ooty

121.	INT/South Africa/P-06/2014 06.06.2014	Health Sciences	Role of TGF β in metastasis and biology of breast cancer stem cells (CSC)	Dr. Arindam Bhattacharya , Ballygunge Science College, University of Calcutta	35,84,880/-	3	Kolkata
122.	INT/South Africa/P-07/2014 20.06.2014	Green Chemistry	Developing environmental friendly packaging materials with essential oils to control the postharvest diseases in mango	Dr. S. Periyar Selvam , SRM University, Tamilnadu	30,27,000/-	3	Tamilnadu
123.	INT/South Africa/P-08/2014 20.06.2014	Green Chemistry	CO ₂ Conversion to Synthetic Fuel Via Fischer-Tropsch Process	Dr. Sreedevi Upadhyayula , Dept. of Chemical Engineering, IIT, Delhi	29,94,000/-	3	New Delhi
124.	INT/South Africa/P-09/2014 20.06.2014	Green Chemistry	New Perspectives to Advance Green Medicinal Chemistry	Dr. Raj Kumar Joshi , Dept. of Chemistry, MNIT Jaipur	32,58,000/-	3	Jaipur
125.	INT/South Africa/P-10/2014 20.06.2014	Health Sciences	Optimizing engineered hydrogels for stem cell delivery and differentiation in the heart	Prof. Murugan Ramalingam , Christian Medical College and Hospital, Vellore	34,90,200/-	3	Vellore
126.	INT/South Africa/P-11/2014 02.07.2014	Green Chemistry	Effect of trace elements on yield and quality parameters of tea (<i>Camellia sinensis</i> L. And <i>Athrixia phylicoides</i> DC.) as influenced by inorganic and organic amendments	Dr. Tanmoy Karak , Tea Research Association, Dibrugarh, Assam	32,63,400/-	3	Assam

127.	INT/South Africa/P-12/2014 20.06.2014	Health Sciences	Targeting autophagy for brain cancer drug discovery	Dr. Shivananju NanjundaSwamy, Sri Jayachamarajendra College of Engineering, Mysore	33,54,000/-	3	Mysore
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Partner Country: Sweden (DST-VR)

128.	<u>DST/INT/SW D/VR/P-01/2014</u> 13.01.2015	ICT	Algebraic and Probabilistic Combinatorics	Dr. Arvind Ayyer, Department of Mathematics, Indian Institute of Science, Bangalore 560012	23,07,000/-		Bangalore
129.	<u>DST/INT/SW D/VR/P-02/2014</u> 15.01.2015	ICT	Verification of Concurrent Software	Dr. Krishnan Narayan Kumar, Chennai Mathematical Institute, H1, SIPCOT IT Park, Siruseri 603103	25,77,000/-		Siruseri
130.	<u>DST/INT/SW D/VR/P-03/2014</u> 15.01.2015	Chemistry	Interfaces for energy conversion - Structure, Function & Design	Dr. Anshu Pandey, Assistant Professor, Solid State and Structural Chemistry Unit, Sir C V Raman Avenue, Indian Institute of Science Bangalore, Bangalore 560012	43,39,200/-		Bangalore
131.	<u>DST/INT/SW D/VR/P-06/2014</u> 15.01.2015	Physics	Quantum Dots for Novel Solar Solutions	Dr. Suman Kalyan Pal, School of Basic Sciences, IIT Mandi, Mandi, HP-175001	40,27,000/-		Himachal Pradesh

Partner Country: UK

132.	DST/INT/UK/P-53/2014	Energy	Plasmonics incorporated CZTS based solar cells	Dr. Mukesh Ranjan Scientist Facilitation Centre for Industrial Plasma	26,59,600/-	2	Gandhinagar
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				Technology (FCIPT) Institute for Plasma Research A-10/B, GIDC, Electronic Estate, Sector-25 Gandhinagar- 382044			
133.	DST/INT/UK/P-54/2014 25.08.2014	Health Science	Safety, Suitability and Clinical Effectiveness of Unicompartmental Knee Replacement in the Indian population	Dr. Vijay Kumar, Additional Professor Department of Orthopaedics All India Institute of Medical Sciences New Delhi, INDIA	35,23,200/-	2	New Delhi
134.	DST/INT/UK/P-55/2014 23.04.2014	Water Research	Development of domestic and -selective electro dialysis unit for community supply of desalinated potable water enriched with essential minerals	Dr. Vinod K. Shahi CSIR-Central Salt & marine Chemicals Research Institute	25,16,800/-	2	
135.	DST/INT/UK/P-56/2014 04.08.2014	Health Science	“Micro/nano fluidics for health and diagnostics”	Dr. Ajay Agarwal, CSIR-Central Electronics Engineering Research Institute Pilani-333 031, Rajasthan, India	26,90,800/-	2	Rajasthan
136.	DST/INT/UK/P-57/2014 23.04.2014	Energy	“Multiple carrier generation in fission enhanced polymer solar cells”	Dr. Satish Patil, Professor, Indian Institute of Science, Solid State and Structural Chemistry Group, C.V.Raman Avenue, Bangalore-560 012, India	17,51,400/-	2	Bangalore

137.	DST/INT/UK/P-58/2014 09.04.2014	Health Science	Direct scaffolding with living cells for engineering 3D multi-cellular functional tissues	Dr. Ashok Kumar Indian Institute of Technology Kanpur	21,04,000/-	2	Kanpur
138.	DST/INT/UK/P-59/2014 02.05.2014	Energy	“Nanoscale surface engineering in inorganic hetero-structures with enhancement photocatalysts activity for sustainable solar hydrogen production”	Prof. Both Raj Mehta, Department of Physics, Indian Institute of Technology Delhi, HauzKhas, New Delhi-110016	20,40,000/-	2	New Delhi
139.	DST/INT/UK/P-60/2014 04.08.2014	Health Science	“Micro-needle assisted transdermal delivery of antimigrane and antihypertensive drugs”	Dr Buchi N Nalluri, PhD, Professor and Director for PG Studies and Research, KVSR Sidhartha College of Pharmaceutical Sciences, Siddhartha Nagar, Vijayawada-520010, Andhra Pradesh	16,74,000/-	2	Vijayawada
140.	DST/INT/UK/P-61/2014 23.04.2014	Energy	Smart Multi-Terminal DC □-grids for autonomous Zero-Net Energy Buildings	Dr. Bharat Singh Rajpurohit Indian Institute of Technology Mandi	27,20,800/-	2	Mandi
141.	DST/INT/UK/P-62/2014 20.06.2014	Health Science	Study of molecular basis of the choice between miRNA mediated translational suppression and RNA	Dr. Beena Pillai, Institute of Genomics & Integrated Biology (IGIB), New Delhi	16,71,200/-	2	New Delhi

			instability in neural cell types				
142.	DST/INT/UK/ P-63/2014 02.06.2014	Food Science	“Understanding pasteurization spore exploitation as a natural control agent of root-knot and cyst nematode crop pests”	Dr Sharad Mohan , Indian Agricultural Research Institute (IARI), New Delhi	23,600,000/-	2	New Delhi
143.	DST/INT/UK/ P-64/2014 09.04.2014	Health Science	To study the gelation mechanism of self-assembling peptide based new hydrogelators for the application of sustain release of drugs	Prof. Arindam Banerjee Indian Association for the Cultivation of Science	11,64,000/-	2	
144.	DST/INT/UK/ P-65/2014 27.05.2014	Health Science	“Novel biomaterials for localized drug delivery for bone regeneration”	Dr. Arabinda Chaudhuri , Biomaterials Laboratory, Indian Institute of Chemical Technology(ICT), Tarnaka, Hyderabad-500 007, Andhra Pradesh	19,56,800/-	2	Andhra Pradesh
145.	DST/INT/UK/ P-66/2014 04.08.2014	Health Science	“Design and Prototype Development of an Active Matrix Sensor-Actuator User Interface for Social Health Care”	Dr. Sanjiv Sambandan , Department of Instrumentation and Applied Physics, Indian Institute of Science, Malleswaram, Bangalore-560 012, Karnataka	23,55,200/-	2	Karnataka

146.	DST/INT/UK/ P-67/2014 29.04.2014	Health Science	Femtosecond laser- micromachined microfluidics, integrated Surface Enhanced Raman Scattering (SERS) sensors for point-of-care diagnostics	Dr. Manoj Varma Centre for Nano Science and Engineering	25,55,200/-	2	
147.	DST/INT/UK/ P-68/2014 18.06.2014	Health Science	Integrative In vitro and In silico Modelling of Arterial Mechanobiolo gy for Health and Disease: UK-India Education and Research Initiative	Dr. Namrata Gundiah Ph.D. Assistant Professor, Department of Mechanical Engineering, Indian Institute of Science, Bangalore 560 012	22,09,200/-	2	Bangalore
148.	DST/INT/UK/ P-69/2014 28.04.2014	Energy	Development of solution processed CdTe@ZnTe core/shell nanocomposite plasmonic solar cells	Prof. S. N.Sahu National Institute of Science & Technology	12,56,000/-	2	
149.	DST/INT/UK/ P-70/2014 02.05.2014	Health Science	“A novel strategy for reprogramming of somatic cells to induced pluripotent stems (iPS) cells by a single non- coding RNA – Ginir for applications in regenerative medicine”	Dr. Anjali Shiras, Scientist-F, National Centre for Cell Sciences (NCCS), Pune University Campus, Ganeshkhind, Pune-411007, Maharashtra	20,56,800/-	2	Pune

150.	DST/INT/UK/ P-71/2014 09.04.2014	Water Research	Efficient Waste Water Treatment using Novel Catalysts	Dr. S. Mayadevi National Chemical Laboratory	18,56,000/-	2	
151.	DST/INT/UK/ P-72/2014 16.04.2014	Health Science	To evaluate the role of AMPK mediated signal transduction in models of chemotherapy induced peripheral neuropathy (CIPN) using pharmacologic al	Dr. Ashutosh Kumar National Institute of Pharmaceutical Education and Research	20,56,000/-	2	Durgapur
152.	DST/INT/UK/ P-73/2014 28.04.2014	Energy	Graphene Assisted Low- cost Energy- efficient Solar cell (GALES)	Dr. Amit K. Chakraborty National Institute of Technology Durgapur	20,16,800/-	2	
153.	DST/INT/UK/ P-74/2014 09.04.2014	Health Science	Developing topoisomerase targets for TB therapy	Prof. Valakunja Nagaraja Indian Institute of Science, Bangalore	19,55,200/-	2	Bangalore
154.	DST/INT/UK/ P-75/2014 09.04.2014	Health Sciences	Identification and characterizatio n of novel germline mutations causing pituitary disease	Postgraduate Institute of Medical Education and Research	30,76,800/-	2	
155.	DST/INT/UK/ P-76/2014 02.06.2014	Energy	The energy cube of the future	Prof. K. Bhanu Sankara Rao, University of Hyderabad	19,40,000/-	2	Hyderabad
156.	DST/INT/UK/ P-77/2014 28.04.2014	Energy	Development of Efficient low Cost Photovoltaic Solar Cells Based on the use of Tin Sulphide	Prof. Kotte Tulasi Sri Venkaswara University	8,12,000/-	2	

			Absorber Layers				
157.	DST/INT/UK/ P-78/2014 29.04.2014	Food Science	“Climate smartening Assam’s tea plantation landscapes: Defining socio-ecological ‘safe spaces’ for future sustainability”	Dr. Niladri Gupta , Scientist-C (GIS), Tea Research Association, Tocklai Experimental Station, Cinnamara, Jorhat-785008, Assam	31,24,800/-	2	Assam
158.	DST/INT/UK/ P-79/2014 02.06.2014	Water Research	Green polymers for waterborne pathogen detection and treatment	Dr. Moushumi Ghosh , Thapar University	23,57,600/-	2	
159.	DST/INT/UK/ P-80/2014 25.04.2014	Health Science	: “A BCI operated hand exoskeleton based neuro-rehabilitation system for movement restoration in paralysis”	Dr. Ashish Dutta , Department of Mechanical Engineering, Indian Institute of Technology Kanpur (IITK), Kanpur-208016	26,21,600/-	2	Kanpur
160.	DST/INT/UK/ P-82/2014 29.04.2014	Water Research	“Multifunctional hybrid nanocomposites for the separation of toxic and microbial contaminants from water”	Prof. Asim Bhaumik , Department of Materials Sciences, Indian Association for the Cultivation of Science, Jadavpur, Kolkata -700 032	29,44,400/-	2	Kolkata
161.	DST/INT/UK/ P-83/2014 02.06.2014	Energy	Sustainable Energy Production Through Biomass Gasification Integrated With Solar Thermal Conversion	Dr. Subarna Maiti CSIR-Central Salt & Marine Chemicals Research Institute, GijubhaiBadheka Marg, Bhavnagar; Gujarat-364002	24,40,800/-	2	Gujarat

162.	DST/INT/UK/ P-84/2014 04.08.2014	Water Research	“Water Security and Infrastructure Resilience under Climate Change”	Prof. Pradeep Mujumdar, Department of Civil Engineering, Indian Institute of Science (IISc), Bangalore 560 012	15,80,000/-	2	Bangalore
163.	DST/INT/UK/ P-85/2014 17.06.2014	Health Science	Morphological structuring of polymetricmatr ics as a novel approach for controlled drug release	Dr. Guruswamy Kumarswamy, National Chemical Laboratory (NCL), Pune	13,33,000/-	2	Pune