

**International Division**  
**List of Approved Projects during year 2011-12**

Sl. No	File No. & Date of Sanction	Broad Area	Title of the Project	Indian Coordinator with full contact details	Amount Sanctioned In Rs.	Duration
<b>Partner Country: Australia</b>						
1.	DST/INT/AU S/P-48/2012 <b>18.09.12</b>	Material Science including Nanotechnology	Topological Defects In Non-Collinear Multiferroics: A Nanodomain Approach To Multifunctionality	Dr. Satishchandra B. Ogale Physical chemistry Division , National Chemical Laboratory, Pashan, Pune- 411008 Tel. (o) +912025902260 (M) 91-9822628242 <a href="mailto:satishogale@gmail.com">satishogale@gmail.com</a>	36,02,940/-	3 years
2.	DST/INT/AU S/P-49/2012 <b>10.09.12</b>	Material Science including Nanotechnology	Magnetron Sputtering of Nanolaminates with Materials Designed and Engineered Properties	Dr. V.K. Srivastava Dept. of Mechanical Engg., Banaras Hindu University Institute Of Technology Varanasi – 221005 Tel.(+91) 9453915551 Fax: (+91) 542 2368428 <a href="mailto:vijayks210@gmail.com">vijayks210@gmail.com</a>	39,36,600/-	3 years
3.	<b>DST/INT/AU S/P-50/2012</b>	<b>Material Science including Nanotechnology</b>	<b>A New Route To Ultra-High Quality Hole-Based Nanoelectronic Devices</b>	<b>Dr. Kantimay Das Gupta Dept of Physics Indian Institute of Technology Bombay Powai, Mumbai 400076 Phone: +91 22 2576 7598 (Off.) +91 98 1992 7598 (Mob) Fax: +91 22 2576 7551 <a href="mailto:kdasgupta@phy.iitb.ac.in">kdasgupta@phy.iitb.ac.in</a></b>	<b>Under Process</b>	<b>3 years</b>
4.	DST/INT/AU S/P-51/2012 <b>29.10.12</b>	Environmental Science including Climate Change	Development of Innovative Spentwash Treatment	Dr. Himanshu Joshi Dept of Hydrology Indian Institute of Technology	67,98,400/-	3 years

		Research	Systems and Resource Recovery Options for Distillery Application	Roorkee– 247667, Uttarakhand <a href="mailto:himanshujoshi58@gmail.com">himanshujoshi58@gmail.com</a> ; <a href="mailto:himanshu_joshi58@yahoo.co.in">himanshu_joshi58@yahoo.co.in</a> ; <a href="mailto:joshifhy@iitr.ernet.in">joshifhy@iitr.ernet.in</a>		
5.	DST/INT/AU S/P-52/2012 <b>29.10.12</b>	Environmental Science including Climate Change Research	Novel Approach for Processing Hazardous Electronic Waste	Prof. B. K. Mishra Institute of Minerals and Materials Technology, Council of Scientific and Industrial research, Bhubaneswar - 751 013 Phone: 91-674-2379400, Fax: 91-674-2581160 <a href="mailto:bkm@immt.res.in">bkm@immt.res.in</a>	80,51,000/-	3 years
6.	DST/INT/AU S/P-53/2012 <b>29.10.12</b>	Material Science including Nanotechnology	A Nanocomposite Material for High-power Lithium Battery Cathodes	Professor P. SELVAM National Centre for Catalysis Research & Department of Chemistry Indian Institute of Technology- Madras, Chennai 600 036, India Tel.: (+91-44)2257-4235; Fax: (+91-44)2257-4202 ; Email <a href="mailto:selvam@iitm.ac.in">selvam@iitm.ac.in</a>	35,15,264/-	3 years
7.	DST/INT/AU S/P-54/2012 <b>12.09.12</b>	Material Science including Nanotechnology	Functionalized Hierarchical Nano composites Materials for Synthetic and Renewable fuels production	Dr. Nagabhatla Viswanadham Catalysis and Conversion Process Division Indian Institute of Petroleum Haridwar Road, Mohkampur Tel.(O) : 091 135 2525856 Dehradun-248005 (M) 9760166857 Uttarakhand, India Fax No. 091 135 2660098	37,84,800/-	2 years

8.	DST/INT/AU S/WS- 1/2012 <b>14.08.2012</b>	Environmental Science <b>(Workshop)</b>	Safe and sustainable use of arsenic contaminated aquifers in the middle Gangetic plain: establishing a multi-disciplinary Australian-Indian collaboration	Prof AL.Ramanathan Jawaharlal Nehru University, New Delhi Ph:91-11- 26741938 Fax: 91- 11-26705201 <a href="mailto:alr0400@mail.jnu.ac.in">alr0400@mail.jnu.ac.in</a>	8,92,000/-	Sep.16- 18, 12
9.	DST/INT/AU S/WS- 2/2012 <b>22.08.2012</b>	Information & Communication Technology <b>(Workshop)</b>	Optimization Techniques for Human Language Technology	Dr. Asif Ekbal Indian Institute of Technology Patna Navin Govt. Polytechnic Campus, Patliputra Colony, Patna Contact No.: Ph.: +91-8521274830 Fax:: +91-612- 2277383 <a href="mailto:asif@iitp.ac.in">asif@iitp.ac.in</a> , <a href="mailto:asif.ekbal@gmail.com">asif.ekbal@gmail.com</a>	4,82,000/-	Dec. 15- 16 2012
10.	DST/INT/AU S/WS- 3/2012 <b>22.08.2012</b>	Renewable Energy <b>(Workshop)</b>	Techno Economical Challenges of Integrating Renewable Energy Sources on Power System Operations and Control	Prof Sukumar Mishra Indian Institute of Technology, Delhi Contact Ph. & Mob.+91 11 26591074 (O) +919810429715 (M) <a href="mailto:sukumar@ee.iitd.ac.in">sukumar@ee.iitd.ac.in</a>	7,09,000/-	30 <sup>th</sup> Sep. to 1 <sup>st</sup> Oct, 2012
11.	DST/INT/AU S/WS- 4/2012 <b>10.09.2012</b>	Earth Science <b>(Workshop)</b>	Workshop on Himalayan Gneiss Domes	Prof. Talat Ahmad University of Kashmir Hazratbal, Srinagar Tel: +91- 9419443405 (M) (O): +91- 1942420333 Fax: +91-(0)194- 2421357registrar@ kashmiruniversity.a c.in; <a href="mailto:sfayydh@kashmiru">sfayydh@kashmiru</a>	9,45,000/-	19-23 Oct 2012

				<a href="http://university.ac.in">university.ac.in</a>		
12.	DST/INT/AU S/WS- 5/2012 <b>06.12.2012</b>	Information & Communication Technology <b>(Workshop)</b>	Utilization of leading edge ICT to enhance Australian and Indian ground water and land resources under climate change scenarios	Prof J Adinarayana Centre of Studies in Resources Engineering Indian Institute of Technology Bombay Powai, MUMBAI – 400 076 Tel: 022-2576 7689 Fax: 022-2572 3480 <a href="mailto:adi@iitb.ac.in">adi@iitb.ac.in</a>	6,30,500/-	January 21-24, 2013
13.	DST/INT/AU S/WS- 6/2012 <b>22.11.2012</b>	Information & Communication Technology <b>(Workshop)</b>	“Spatially Enabled Nations: Workshop on a meta-integrative framework towards improving disaster management practices in India and Australia”	Dr. R. R. Krishnamurthy Principal University of Madras Arts and Science College, University Constituent College East Coast Road, Nemmeli Village, Kancheepuram Dist., Tamil Nadu- 603 104 (0)9677045519 044-25367654 <a href="mailto:rrkrishnamurthy@gmail.com">rrkrishnamurthy@gmail.com</a>	5,50,000/-	January 21-23, 2012

### Partner Country: Finland

14.	INT/Finland/ P-06 <b>13.02.12</b>	<b>Nano Materials</b>	Intramolecular Charge Transfer (ICT) Based Fluorescent Probes for Monitoring Zinc(II) and Anions in Gold nano Particles	Dr. Prasenjit Mal, Assistant Professor, School of Chemical Sciences, IOP Campus, PO Sainik School, NISER, Bhubaneshwar-	58,67,000/-	3 years
15.	INT/Finland/ P-07 <b>13.02.12</b>	<b>Nano Materials</b>	Metal nanoclusters for fluorescence, catalysis and heavy metal ion scavenging	Prof. T. Pradeep, Professor, Indian Institute of technology, Maderas, Chennai	42,81,000/-	3 years
16.	INT/Finland/ P-08 <b>13.02.12</b>	<b>Nano Materials</b>	Plasmonics for Photovoltaics (PlasmonPV)	Prof. Bodh Raj Mehta, Indian Institute of Technology Delhi	30,31,000/-	3 years

17.	INT/Finland/ P-09 <b>21.03.12</b>	<b>Nano Materials</b>	Nanomaterials for Multipolar Nonlinear Optics	Prof. P. Radhakrishnan, Cochin University of Science and Technology, Kochi	27,26,000/-	3 years
18.	INT/Finland/ P-10 <b>13.02.12</b>	<b>Nano Materials</b>	Gallium nitride based nanostructures for enhanced light emission	Dr. Arnab Bhattacharya, Tata Institute of Fundamental Research, Mumbai	36,46,000/-	3 years
19.	INT/Finland/ P-11 <b>29.03.12</b>	<b>Nano Materials</b>	Structure of Gradient nanocomposites : Interaction of Bioactive Glasses with nanoparticles and Polymers (More BAGS)	Dr. Goutam De, Scientist F and Head, Nano-Structured Materials Division, CGCRI, Kolkata	49,03,000/-	3 years

**Partner Country: Germany**

20.	INT/DAAD/P -201/2010 <b>27.04.2011</b>	Life Sciences & Biotechnology	Dissecting mechanisms of 5-HT signaling using mouse models depleted in central serotonin.	Mitradas Panicker, Prof. Neurobiology, National Centre for Biological Sciences, GKVK Campus, UAS Bellary Road, BANGLORE-560065	5,39,700/-	2 Years
21.	INT/DAAD/P -204/2011 <b>19.07.2011</b>	Engineering Sciences	Investigating Global warming effect based on Texture of icy lake surface condition from satellite imagery	Subashini Parthasarathy, Mrs., Associate Professor, Department of Computer Science, Avinashilingam Deemed University for Women, Thadagam Post, Coimbatore - 641043, Tamil Nadu, India	4,41,000/-	2 Years
22.	INT/DAAD/P -205/2011 <b>19.07.2011</b>	Physical, Material and Chemical Sciences	Magnetism in structurally asymmetric nanowires of 3d-5d transition metals	Shah Vaishali, Dr., Assistant Professor, Interdisciplinary School of Scientific Computing (ISSC),	4,22,100/-	2 Years

				University of Pune, Ganeshkhind Road, Pune-411 007		
23.	INT/DAAD/P -206/2011 <b>21.07.2011</b>	Maths & IT	Synthronization of neuronal networks depending on input signals	Shrimali Manish Dev, Dr., Assistant Prof., The LNM Institute of Information Technology, Rupa Ki Nangal, Via Jamdoli, Jaipur- 302031	4,41,000/-	2 Years
24.	INT/DAAD/P -207/2011 <b>19.07.2011</b>	Materials Science	Oblique angle deposition by Fe-Ni film growth onto curved surfaces	Anantharaman M.R., Prof., Department of Physics, Cochin University of Science & Technology, Kochi- 682022, India	3,69,600/-	2 Years
25.	INT/DAAD/P -208/2011 <b>19.07.2011</b>	Engineering Sciences	Development of Novel Computational Algorithms for Compressible Flows based on Extended Finite Element Method (XFEM)	Rao S.V. Raghurama, Associate Professor, Department of Aerospace Engineering, Indian Institute of Science, Bangalore – 560012	5,82,750/-	2 Years
26.	INT/DAAD/P -209/2011 <b>19.07.2011</b>	Life Sciences	Development of new Ntn- Hydrolases for the efficient deracemization of drug precursors	Prabhune Asmita A., Dr., Division of Biochemical Sciences, National Chemical Laboratory, Dr Homi Bhaba Road, Pune-411008	4,15,800/-	2 Years
27.	INT/DAAD/P -210/2011 <b>19.07.2011</b>	Physical, Material & Chemical Sciences	Investigation of strain- dependent magnetization dynamics & electronic transport in magnetic oxides for spintronics & signal processing	Raychaudhuri A.K., Prof., Director & Sr. Professor, S.N. Bose National Centre for Basic Sciences, JD Block, Sector-III, Slat Lake, Kolkata- 700098	3,93,750/-	2 Years

			applications			
28.	INT/DAAD/P -211/2011 <b>19.07.2011</b>	Physical, Material & Chemical Sciences	Study of electronic & optical properties of graphene/metal oxide nanocomposite thin films for its application as transparent conductors	Mohanty Tanuja, Dr., Assistant Professor, School of Physical Sciences, Jawaharlal Nehru University, New Delhi-110067	3,73,800/-	2 Years
29.	INT/DAAD/P -212/2011 <b>19.07.2011</b>	Engineering Science	Identification of Welding Parameters for Target Weld Attribute using Process Simulation Models and Optimization Algorithms	De Amitava, Prof., Mechanical Engineering Department, Indian Institute of Technology Bombay, Powai, Mumbai – 400 076	5,35,500/-	2 Years
30.	INT/DAAD/P -213/2011 <b>19.07.2011</b>	Mathematics	Distance problems for structured matrix polynomials	Bora Shreemayee, Assistant Professor, Department of Mathematics, Indian Institute of Technology Guwahati, Guwahati 781039, Assam	4,28,400/-	2 Years
31.	INT/FRG/DF G/P-37/2012 <b>18.04.2012</b>	Maths & IT	Some Train Pathing Problems	Ranade Abhiram G., Prof., Dept of Computer Science and Engineering, IIT Powai, Mumbai- 400076	10,95,120/-	2 Years
32.	INT/FRG/DF G/P-38/2012 <b>18.04.2012</b>	Computational algorithmics with special focus on Algorithm Engineering	Algorithm Engineering of Quantum Evolutionary Algorithms for Hard Optimization Problems	Patvardhan C, Dr., Professor, Department of Electrical Engineering, Dayalbagh Educational Institute, Dayalbagh, Agra 282110, UP	10,52,880/-	2 Years

33.	INT/FRG/DF G/P-39/2012 <b>18.04.2012</b>	Computational algorithmics with special focus on Algorithm Engineering	Algorithms for Data Stream Processing	Ganguly Sumit, Prof., Department of Computer Science, Indian Institute of Technology Kanpur, (IIT Kanpur), 208016	9,75,120/-	2 Years
34.	INT/FRG/DF G/P-40/2012 <b>18.04.2012</b>	Computational algorithmics with special focus on Algorithm Engineering	Models and algorithms for computing in presence of uncertainties	Sen Sandeep, Prof., Department of Computer Science and Engineering, IIT Delhi, Hauz Khas, New Delhi 110016	11,70,120/-	2 Years

**Partner Country: Ireland**

35.	DST/INT/IRE /P-001/11 <b>10.10.2011</b>	Life Sciences	The mechanical regulation of articular cartilage development: the mechanisms underlying mechnaical regulation of gene expression.	Dr. Amitabha Bandyopadhyay, IIT Kanpur Tel. 9454741882,(0512) 2594010 Email. <a href="mailto:abandopa@iitk.ac.in">abandopa@iitk.ac.in</a>	3,60,000/-	Two Years (10/10/11 - 10/10/13)
36.	DST/INT/IRE /P-003/11 <b>26.09.11</b>	Bio Technology	Fiber Bragg grating-based sensors in polymer optical fibers for biomedical applications	Dr. Balaji Srinivasan, IIT- Madras, Chennai Tel. 9840732120, 91-44-22574426 Email. <a href="mailto:babajis@ee.iitm.ac.in">babajis@ee.iitm.ac.in</a>	6,01,200/-	Two Years (26/09/11 - 26/09/13)
37.	DST/INT/IRE /P-004/11 <b>28.09.11</b>	Bio Technology	Biofunctional injectable hollow nano-spheres for Controlling angiogenesis for regeneration of the degenerated intervertebral disc	Dr Sourabh Ghosh, Assistant Professor, Department of Textile Technology Institution Indian Institute of Technology, Delhi Hauz Khas, New Delhi 110016 Tel. (O): 91-11-2659- 1440, (M):9971296405	6,97,000/-	Two Years (28/09/11 - 28/09/13)



				Email <a href="mailto:ghoshsourabh@yahoo.com">ghoshsourabh@yahoo.com</a> <a href="mailto:sghosh08@textile.iitd.ac.in">sghosh08@textile.iitd.ac.in</a>		
38.	DST/INT/IRE /P-007/11 <b>30.09.11</b>	Chemical, Biochemical Pharmaceutical Sciences (CBPS)	Synthesis, characterization and testing of integrated photocatalytic adsorbents (IPCA)s for water and wastewaters	Dr. Raghuram Chetty, Assistant Professor, Chemical Engineering Department Indian Institute of Technology Madras, Chennai 600 036. Tamil Nadu Tel. Tel: +91 44 22574178 Fax: +91 44 22574152 Email. <a href="mailto:raghuc@iitm.ac.in">raghuc@iitm.ac.in</a>	6,46,000/-	Two Years (30/09/11 - 30/09/13)
39.	DST/INT/IRE /P-008/11 <b>2.01.2012</b>	Food and Agriculture Sciences (FAS)	Diversity study of CLA producing indigenous Butyrivibrio spp., its subsequent utilization as a probiotic for animals and gene expression pattern of enzymes involved in biohydrogenatio n of fatty acids	Dr. Amrish Tyagi, Principal Scientist, Dairy Cattle Nutrition National Dairy Research Institute Tel. 91- 0184-2259061 (O) &09416950175 (M) Email. <a href="mailto:amrishtyagi1963@yahoo.com">amrishtyagi1963@yahoo.com</a>	4,98,000/-	Two Years (02/01/12 - 02/01/14)
40.	DST/INT/IRE /P-009/11 <b>Not Sanctioned</b>	Food and Agriculture Sciences (FAS)	Evaluation of three phase micro/nano emulsion based delivery systems for selected nutraceuticals for intended use in functional foods	Dr. Prateek Sharma, Scientist, Dairy Technology Division National Dairy Research Institute, Karnal- 132001, Haryana Tel. (O): +91-184- 2259257, (M): +91- 9996240409 Email. <a href="mailto:prateeksharma2000@yahoo.com">prateeksharma2000@yahoo.com</a> , <a href="mailto:psharma@ndri.res.in">psharma@ndri.res.in</a>	Not Sanctioned	Not Sanctioned

41.	DST/INT/IRE /P-010/11 <b>14.10.2011</b>	Information and Communication Technology (ICT)	An Inter-Disciplinary Approach Towards Building Ontology For Online Extremism	Dr. Ponnurangam Kumaraguru, Assistant Professor, Indraprastha Institute of Information Technology (IIIT), 3rd Floor, Library Building, NSIT Campus, Dwarka, Sector 3, New Delhi – 110078 Tel. Phone: +91-11-2509 9202 Email. <a href="mailto:pk@iiitd.ac.in">pk@iiitd.ac.in</a> .	6,84,000/-	Two Years (14/10/11 - 14/10/13)
42.	DST/INT/IRE /P-012/11 <b>Not Sanctioned</b>	Information and Communication Technology (ICT)	Performance Improvement of RF Power Amplifier using the DGS/PBG/ Metamaterial Loaded Transmission Line Structures	Prof. Anand K. Verma, Department of Electronic Science South Campus, University of Delhi, New Delhi-110021 Tel. 91-11-24113141 (Office)91-11-27048455 (Residence) Email. <a href="mailto:anandvrm48@gmail.com">anandvrm48@gmail.com</a>	Not Sanctioned	Not Sanctioned
43.	DST/INT/IRE /P-013/11 <b>30.09.2011</b>	Information and Communication Technology (ICT)	Syntax-driven Approaches for Statistical Machine Translation into Indian Languages	Dr. Rajeev Sangal, Language Technologies Research Centre, International Institute of Information Technology Gachibowli, Hyderabad 500 032 Tel. Phone : 91 - 40 - 2300 1412 91-40-6653 1144 Email. <a href="mailto:anandvrm48@gmail.com">anandvrm48@gmail.com</a>	6,12,000/-	Two Years (30/09/11 - 30/09/13)
44.	DST/INT/IRE /P-014/11 <b>17.10.2011</b>	Marine Sciences (MS)	High throughput selection and production of biosurfactants from the	Dr. Joseph Selvin, Microbiology Bharathidasan University (A State Govt. Univ) Tel. (O)	6,28,200/-	Two Years (17/10/11 - 16/10/13)

			metagenome of marine sponges	0431-2407082 (M) : 91-9944263367 Email. <a href="mailto:jselvin@bdu.ac.in">jselvin@bdu.ac.in</a> , <a href="mailto:josephselvinss@gmail.com">josephselvinss@gmail.com</a>		
45.	DST/INT/IRE /P-015/11 <b>10.10.2011</b>	Nano - Science and Technology (NST)	Particle size dependence of Magneto electric effect in Nanoscale (5-100 nm) BiFeO <sub>3</sub>	Dr. Dipten Bhattacharya, Scientist Gr. IV (3), Nanostructured Materials Centre Glass and Ceramic Research Institute, CSIR 196 Raja S C Mullick Road; Jadavpur; Kolkata-700032 Tel. (O): (033)2473-3469/96/76/77 Extn.: 3470 (M): 91-94337- 99381 Email. <a href="mailto:dipten@cqcri.res.in">dipten@cqcri.res.in</a>	5,65,000/-	Two Years (10/10/11 - 10/10/13)
46.	DST/INT/IRE /P-016/11 <b>13.09.2011</b>	Nano - Science and Technology (NST)	Investigation of interfacial charge transfer aspects of hybrid polymer/ZnO nanorod arrays as an initial step towards judging their potential for nano-light emitting devices (NANOLOED)	Dr. R. T. Rajendra Kumar, Reader, Department of Physics, School of Physical Sciences Advanced Materials and Devices Laboratory Bharathiar University, Coimbatore- 641 046 Tel. (O): 0422-2428446 (M): 0978957888 Email. <a href="mailto:rtrkumar@buc.edu.in">rtrkumar@buc.edu.in</a> ; <a href="mailto:rtrkumar@rediffmail.com">rtrkumar@rediffmail.com</a>	3,07,000/-	Two Years (13/09/11 - 13/09/13)
47.	DST/INT/IRE /P-017/11 <b>Not Sanctioned</b>	Nano - Science and Technology (NST)	Towards a Laser Plasma Light Source Platform for Next Generation Extreme-UV Lithography (EUVL): Theoretical and	Prof. Pranawa Deshmukh, School of Basic Sciences Indian Institute of Technology Mandi - 175 001, Himachal Pradesh Tel. Office) : +91 (0)1905-237928	Not Sanctioned	Not Sanctioned

			Experimental Spectroscopic Studies at 6.X nm	(Mobile) : +91 (0)941 805 3077 Email. <a href="mailto:pcdeshmukh@iitmandi.ac.in">pcdeshmukh@iitmandi.ac.in</a>		
48.	DST/INT/IRE /P-018/11 <b>28.09.2011</b>	Nano - Science and Technology (NST)	Smart Nanomaterials for bioenergy technology	Dr. (Mrs.). Chandra Sainathan, Department of Biotechnology Institution Indian Institute of Technology (IIT) Chennai 600036, Tamilnadu Tel. (O): +91-44-22574102(R): +914422576103 Email. <a href="mailto:chandra@iitm.ac.in">chandra@iitm.ac.in</a> , <a href="mailto:chandrasainathan@yahoo.com">chandrasainathan@yahoo.com</a> , <a href="mailto:chandrasainathan@gmail.com">chandrasainathan@gmail.com</a> ,	5,14,000/-	Two Years (28/09/11 - 28/09/13)
49.	DST/INT/IRE /P-019/11 <b>28.09.2011</b>	Sustainable Energy and Energy Efficient Technology (SEEET)	Photovoltaic/Thermal Solar Collectors with inherent thermal management of photovoltaic output and thermal storage.	Dr. G N Tiwari, Centre of Energy Studies Indian Institute of Technology, Delhi CES, IIT Delhi, Haus Khas, New Delhi 11 00 16, India Tel. (011) 2659 1258 (o); 09868 277788 (M) Email. <a href="mailto:gntiwari@ces.iitdernet.in">gntiwari@ces.iitdernet.in</a>	3,88,000/-	Two Years (28/09/11 - 28/09/13)
50.	DST/INT/IRE /P-020/11 <b>27.01.12</b>	Sustainable Energy and Energy Efficient Technology (SEEET)	Photovoltaic Solar Cells Using Organic-Nano Composites	Dr. Ravindra Dhar, Associate Professor, Centre of Material Sciences, Institute of Interdisciplinary Studies (IIDS), University of Allahabad, Allahabad-211002. Tel. 91-09415278539	4,90,092/-	Two Years (27/01/12 - 27/01/14)

				Email. <a href="mailto:dr_ravindra_dhar@hotmail.com">dr_ravindra_dhar@hotmail.com</a>		
51.	DST/INT/IRE /P-021/11 <b>28.09.2011</b>	Sustainable Energy and Energy Efficient Technology (SEEET)	Energy Efficient Impinging Jet Cooling Of Hot Surfaces	Prof. Ravi Kumar, Department of Mechanical & Industrial Engineering, Indian Institute of Technology, Roorkee- 247667, India Tel. 91-1332-285740(O); 91-9458158967 (M) Email. <a href="mailto:ravikfme@iitr.ernet.in">ravikfme@iitr.ernet.in</a>	4,21,500/-	Two Years (28/09/11 - 28/09/13)
52.	DST/INT/IRE /P-022/11 <b>30.09.2011</b>	Sustainable Energy and Energy Efficient Technology (SEEET)	Development of novel materials, device structures and fabrication methods for thin film solar cells and TCOs including organic photovoltaics	Dr. Gaddam Vijaya Prakash, Department of Physics Indian Institute of Technology (IIT) Hauz Khas, New Delhi, 110 016 Tel. Ph: +91(11) 2659 1326 Email. <a href="mailto:prakash@physics.iitd.ac.in">prakash@physics.iitd.ac.in</a>	5,62,000/-	Two Years (30/09/11 - 30/09/13)
53.	DST/INT/IRE /P-023/11 <b>28.09.2011</b>	Sustainable Energy and Energy Efficient Technology (SEEET)	Biomass to Syngas: Catalytic Cleanup	Dr A Hari Padmasri, Assistant Professor, Department of Chemistry Osmania University College for Women, Koti Hyderabad – 500 095 Tel. (O): 040-24657813, Extn: 302 (M): 9441788898 Email. <a href="mailto:ahpadmasri@gmail.com">ahpadmasri@gmail.com</a>	5,36,000/-	Two Years (28/09/11 - 28/09/13)
<b>Partner Country: Israel</b>						
54.	DST/INT/ISR /P-1/2011 <b>17.01.2012</b>	Information & Communication Technology	Similarity measures and their optimization for	Dr. Subhashis Banerjee Computer Science and Engineering Indian	8,83,200/-	2 years

			video Analysis and Editing	Institute of Technology, Delhi, Hauz Khas Contact No. Ph.: +91-9891297075 Fax: +91 11 26581060 <a href="mailto:suban@cse.iitd.ernet.in">suban@cse.iitd.ernet.in</a>		
55.	DST/INT/ISR /P-2/2011 <b>17.02.2012</b>	Information & Communication Technology	Recognizing Novel Objects in Images	Dr. K.K Biswas Computer Science and Engineering Indian Institute of Technology CSE Department, IIT Delhi, Hauz Khas, New Delhi, India - 110016. Contact Phone No. (O) & (M): (O): +91-11-26596010 (M): +91-9958136866 Fax: +91-11-26581060 Email. <a href="mailto:kkb@cse.iitd.ernet.in">kkb@cse.iitd.ernet.in</a>	7,29,790/-	2 years
56.	DST/INT/ISR /P-3/2011 <b>02.01.2012</b>	Information & Communication Technology	Polarizing Imaging for Spaceborne Remote Sensing	Dr. K. P. Jagannatha Reddy Aerospace engineering Indian Institute of Science Bangalore- 560012 Tel: 080-22932758 Fax: 080-23606223 <a href="mailto:laser@aero.iisc.ernet.in">laser@aero.iisc.ernet.in</a>	13,88,300/-	2 years
57.	DST/INT/ISR /P-4/2011 <b>08.09.2011</b>	Solar Energy	Directed Assembly of Poly-nuclear Ru(II) Complexes On Carbon Nanostructures : A Prospective Organic Photovoltaic Cells	Dr. Raghavendra Kikkeri Assistant Professor Department of Chemistry Indian Institute of Science and Education Research Indian Institute of Science Education and Research (IISER) 900, NCL Innovation Park, Dr	19,44,000/-	2 years

				Homi Bhabha Road Pune, Maharashtra 411008, India <a href="mailto:ragavendrkv@gmail.com">ragavendrkv@gmail.com</a>		
58.	DST/INT/ISR /P-5/2011 <b>15.09.2011</b>	Solar Energy	Development of photovoltaic solar cell with nanostructured graphene-modified and doped zinc oxide electrodes	Prof. P. K. Barhai , Head Applied Physics Department of Applied Physics, Birla Institute of Technology, Mesra, Ranchi, Jharkhand, India 835215. Contact No.: Phone : +91-651-2275522 (O) Fax: +91-651-2275401(O) +91 9431707060 (M) <a href="mailto:pkbarhai@bitmesra.ac.in">pkbarhai@bitmesra.ac.in</a>	19,86,440/-	2 yerars
59.	DST/INT/ISR /P-6/2011 <b>15.09.2011</b>	Solar Energy	Self-organized Hybrid Materials for Photovoltaics: from molecular building blocks to device performance	Dr. Satish Patil Assistant Prof Indian Institute of Science, Bangalore C. V. Raman Avenue SSCU, Indian Institute of Science, Bangalore Tel :+91-8022932651 Fax :+91-80-23601310 <a href="mailto:satish@iisc.ernet.in">satish@iisc.ernet.in</a>	19,78,680/-	2 years
60.	DST/INT/ISR /P-7/2011 <b>26.08.2011</b>	Solar Energy	Solar Power with Steam Injection Gas Turbine (Stig) Cycle	Dr.S.Iniyan Director Institute for Energy Studies Anna University Chennai, Chennai 600 025, India Contact Phone No. (O) : 044 – 2235 36 37 (M) : 94440 07771 Fax : 044 – 2235 36 37 <a href="mailto:iniyan777@hotmail.com">iniyan777@hotmail.com</a>	18,28,900/-	2 years

61.	DST/INT/ISR /P-8/2011 <b>25.09.2011</b>	Solar Energy	“Towards BiFeO <sub>3</sub> nanoplatelet/nanowire based photovoltaic cells”	Dr. Pankaj Poddar Scientist National Chemical Laboratory, Dr. Homi Bhabha Road, Pune Contact Phone No. (o):020-25902580 & (M) : 9823563766 Fax:020-25902636 <a href="mailto:p.poddar@ncl.res.in">p.poddar@ncl.res.in</a>	17,63,600/-	2 years
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**Partner Country: Japan**

62.	DST/INT/JS PS/P-130/12 <b>12.06.2012</b>	Advanced Materials including Polymers & Nanomaterials	Development of homojunction carbon solar cell	Dr. Maheshwar Sharon NSNR Center for Nanotechnology & Bionanotechnology SICES College Jambhul Phata. Ambernath (W) 421505 Tel. (O) 0251 2680800 & (M) : 9821238584, Fax: 0251 2680800 <a href="mailto:sharon@iitb.ac.in">sharon@iitb.ac.in</a> ; <a href="mailto:sharonmaheshwar@gmail.com">sharonmaheshwar@gmail.com</a>	4,59,000/-	2 years
63.	DST/INT/JS PS/P-131/12 <b>14.05.2012</b>	Advanced Materials including Polymers & Nanomaterials	Fabrication of Tandem Structured Thermoelectric Devices using SiGe Related Alloy Semiconductors	Dr. Sridharan Moorthy Babu Crystal Growth Centre Anna University Sardar Patel Road, Chennai - 600 025 Ph : 0091-044-22358333 / 22352774 <a href="mailto:babu@annauniv.edu">babu@annauniv.edu</a> ; <a href="mailto:smoorthybabu@gmail.com">smoorthybabu@gmail.com</a>	4,72,500/-	2 years
64.	DST/INT/JS PS/P-132/12 <b>03.05.2012</b>	Advanced Materials including Polymers & Nanomaterials	Development of new anode materials for next generation Li ion batteries by	Dr. Indrajit Mukhopadhyay School of Solar Energy Pandit Deendayal Petroleum	3,00,000/-	2 years



			electrodeposition of Si on the inner-surface of nanospace carbon.	University Raisan, Gandhinagar, Gujarat-382 007 Tel. (O) +91-79-23275303 (M) 91-958686936 Fax: (+)91-79-23275030 <a href="mailto:indrajit.m@sse.pdp.u.ac.in">indrajit.m@sse.pdp.u.ac.in</a>		
65.	DST/INT/JS PS/P-133/12 <b>03.05.2012</b>	Advanced Materials including Polymers & Nanomaterials	Creation of heterogeneous pinning in Iron Pnictides and Cuprate superconductors by introducing nanopatterned pins	Dr. Satyajit Banerjee Dept. of Physics Indian Institute of Technology Kanpur Kanpur – 208016, U. P. Tel. (O)+91-512-2597559 /09935276098 Fax: +91- 512-2590914 <a href="mailto:satyajit@iitk.ac.in">satyajit@iitk.ac.in</a>	2,57,000/-	2 years
66.	DST/INT/JS PS/P-134/12 <b>09.05.2012</b>	Advanced Materials including Polymers & Nanomaterials	Construction of Advanced Nano-Spintronics Devices based on Self-Organized Functional Oxide Nano Super-Structures	Dr. Saket Asthana Dept. of Physics Indian Institute of Technology, Hyderabad, Ordnance Factory Estate Campus, Yeddumailaram - 502205, Andhrapradesh, India. Phone: +91-40-23016067 (O) Mob: +91-8008205957, Fax: +91-40-23016032, 23016003 <a href="mailto:asthanas@iith.ac.in">asthanas@iith.ac.in</a>	3,42,000/-	2 years
67.	DST/INT/JS PS/P-135/12 <b>09.05.2012</b>	Advanced Materials including Polymers & Nanomaterials	Quantum dot conjugated single walled carbon nanotubes for imaging and therapy	Dr. R..S. Jayasree Biophotonics and Imaging Laboratory, Biomedical Technology Wing Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum, Poojappura. P. O. Trivandrum,	3,44,000/-	2 years

				695012 Tel. 91-471-2520273 Fax: 91-471-2341814 <a href="mailto:jayashreemenon@gmail.com">jayashreemenon@gmail.com</a>		
68.	DST/INT/JS PS/P-136/12 <b>28.05.2012</b>	Astronomical and Space Science	A Study of Supernovae in the Nearby Universe – Building Blocks for the High Redshift Universe	Dr. G.C. Anupama Indian Institute of Astrophysics II Block, Koramangala Bangalore 560 034 Contact Phone No.: (O): 080-22541344, Fax: 080-5534043 <a href="mailto:gca@iiap.res.in">gca@iiap.res.in</a>	4,46,000/-	2 years
69.	DST/INT/JS PS/P-137/12 <b>09.05.2012</b>	Astronomical and Space Science	Empirical study on global circulation of magnetospheric plasma during geomagnetic storms and their effects on low latitude and equatorial ionosphere	Dr. (Mrs).B.Veenadhari Dept. of Science and Technology Indian Institute of Geomagnetism Kalamboli Highway, New Panvel Plot No.5, Sector 18 Navi Mumbai – 410218, Maharashtra Tel.022- 2748 4189 (M) 09892298202 Fax: 022 – 2748 0762 <a href="mailto:bveena@iigs.iigm.res.in">bveena@iigs.iigm.res.in</a> ; <a href="mailto:veenaiig@gmail.com">veenaiig@gmail.com</a>	3,46,000/-	2 years
70.	DST/INT/JS PS/P-138/12 <b>16.05.2012</b>	Manufacturing Sciences	Utilization of wasted groundnut shell for the development of natural polymeric composites and their Mechanical properties, drilling and tribological studies	Dr. Janakarajan Ramkumar Dept. of Mechanical Engineering I.I.T. Kanpur, Kalyanpur- 208016 Phone: +91 512 259 7546 (O) Fax: +91 512 259 7408 <a href="mailto:jrkumar@iitk.ac.in">jrkumar@iitk.ac.in</a>	4,12,000/-	2 years

71.	DST/INT/JS PS/P-139/12 <b>16.05.2012</b>	Modern Biology & Biotechnology	Cloning and Characterization of STOP1 transcription factor from Cowpea and its functional analysis	Dr. Sanjib Kumar Panda Dept of Life Science & Bioinformatics, Assam University, Silchar-788011, Assam, Tel. 09435370608 Fax: 03842-270802 <a href="mailto:drskpanda@gmail.com">drskpanda@gmail.com</a>	5,40,000/-	2 years
72.	DST/INT/JS PS/P-140/12 <b>02.07.2012</b>	Modern Biology & Biotechnology	Genetic Studies on Stevens Johnson Syndrome (SJS)	Dr. Chitra Kannabiran Kallam Anji Reddy Molecular Genetics Laboratory Hyderabad Eye Research Foundation, L.V. Prasad Eye Institute (LVPEI) L.V. Prasad Marg Banjara Hills, Hyderabad -500 034 Tel..040-3061 2507 Fax:040-2354 8271 <a href="mailto:chitra@lvpei.org">chitra@lvpei.org</a>	3,40,000/-	2 years
73.	DST/INT/JS PS/P-141/12 <b>25.06.2012</b>	Modern Biology & Biotechnology	Microbial production of plastic degrading enzymes for polymer monomerization	Dr (Mrs) N.R. Kamini Dept. of Biotechnology Central Leather Research Institute Chennai -600 020 Tel. 044-24430273 Fax:044 -24911589 (M)09840321556 <a href="mailto:nrkamini@clri.res.in">nrkamini@clri.res.in</a>	4,34,000/-	2 years
74.	DST/INT/JS PS/P-142/12 <b>25.06.2012</b>	Modern Biology & Biotechnology	Elucidation of mechanism of action of withaferin A using highly functional affinity beads	Dr. Shanthy Sundaram Centre for Biotechnology Nehru Science Centre, University of Allahabad Allahabad-211002, U.P. India Tel: +91- 933-5158759 Fax: +91-532- 2460675 <a href="mailto:shanthysundaram">shanthysundaram</a>	4,34,000/-	2 years

				<a href="mailto:@rediffmail.com">@rediffmail.com</a>		
75.	DST/INT/JS PS/P-143/12 <b>09.05.2012</b>	Modern Biology & Biotechnology	Genetic and genomic basis of the evolution of bombycid and saturniid silkmoths	Dr.J. Nagaraju Laboratory of Molecular Genetics Centre for DNA Fingerprinting and Diagnostics (CDFD) Bldg.7, Gruhakalpa, 5-4-399/B, Nampally Hyderabad-500 001, Andhra Pradesh, Tel: +91-40-24749342 Mobile: +91-09490119640 Fax: +91-40-24749343 E-mail <a href="mailto:inagaraju@cdfd.org.in">inagaraju@cdfd.org.in</a>	4,46,000/-	2 years
76.	DST/INT/JS PS/P-145/12 <b>09.05.2012</b>	Modern Biology & Biotechnology	Investigation of ligand induced activation mechanism of Adenosine 2A receptor by ATR-FTIR spectroscopy	Dr. Tushar Kanti Maiti Regional Centre for Biotechnology, 180 Udyog Vihar Phase I Gurgaon, Haryana, 122016, INDIA Tel. (O): 0124-2848826, (M): 09560059069 <a href="mailto:tkmaiti@rcb.res.in">tkmaiti@rcb.res.in</a>	4,48,000/-	2 years
77.	DST/INT/JS PS/P-146/12 <b>28.05.2012</b>	Modern Biology & Biotechnology	Elucidation of Mechanical Basis of Plant Gene Regulation for Promotion of Plant Utilization	Dr. Sanjay Kapoor Interdisciplinary Center for Plant Genomics Dept of Plant Molecular Biology University of Delhi South Campus New Delhi 110021 Tel. (O) +91-11-65171135, (M) +91-98116-44436 <a href="mailto:kapoors@genomeindia.org">kapoors@genomeindia.org</a>	3,48,000/-	2 years
78.	DST/INT/JS PS/P-147/12 <b>25.06.2012</b>	Modern Biology & Biotechnology	Population Based Human Genetic Variations and	Prof. K. Satyamoorthy Division of Biotechnology	3,50,032/-	2 years

			Impact on Radiation Effect	Manipal University Manipal Life Sciences Centre Planetarium Complex Manipal Tel. 0820-2871925 Fax: 0820-2571919 <a href="mailto:ksatyamoorthy@manipal.edu">ksatyamoorthy@manipal.edu</a> ; <a href="mailto:dbt@manipal.edu">dbt@manipal.edu</a>		
79.	DST/INT/JS PS/P-148/12 <b>02.07.2012</b>	Molecular & Supramolecular Sciences	Development of new selenium based antioxidant	Dr K. Indira Priyadarsini Radiation & Photochemistry Division Bhabha Atomic Research Centre Trombay, Mumbai-400085, Tel. (O) & (M) : 91-22-25595399 (O) Fax: 91-22-25505151 <a href="mailto:kindira@barc.gov.in">kindira@barc.gov.in</a>	6,32,000/-	2 years
80.	DST/INT/JS PS/P-149/12 <b>02.07.2012</b>	Surface and Interface Science including Catalysis	Catalytic transformation of biomass-derived sugars to renewable chemicals	Dr. Paresh Laxmikant Dhepe Catalysis and Inorganic Chemistry Division National Chemical Laboratory Room No. 289, Main building, Dr. Homi Bhabha Road, Pune 411 008 Tel: 91-20-25902024 (Office); 91-09423175863 Fax: 91-20-25902633 <a href="mailto:pl.dhepe@ncl.res.in">pl.dhepe@ncl.res.in</a>	4,12,000/-	2 years
81.	DST/INT/JS PS/P-150/12 <b>17.09.2012</b>	Surface and Interface Science including Catalysis	Catalysing Soot-NOx Reaction without Precious Metals: Mixed Oxide Catalysts for Diesel	Dr. Nitin K. Labhasetwar Environmental Materials Division National Environmental Engineering	5,46,000/-	2 years

			Exhaust Emission Control	Research Institute (CSIR-NEERI) Nehru Marg, NAGPUR-440020, India Tel. ++91-712-2247828/ 00919850316799 Fax:0712-2249900 <a href="mailto:nk_labhsetwar@neri.res.in">nk_labhsetwar@neri.res.in</a> ; <a href="mailto:nitin_neeri@yahoo.com">nitin_neeri@yahoo.com</a>		
82.	DST/INT/JS PS/WS-1/12 <b>28.05.2012</b>	Advanced Materials including Polymers & Nanomaterials <b>(Workshop)</b>	Electronic structure of strongly correlated systems	Dr. D. D. Sarma Solid State and Structural Chemistry Unit Indian Institute of Science Bangalore 560012 Phone:080-23607576, 22932945 Fax: +91-80-23601310 <a href="mailto:Sarma@sscu.iisc.ernet.in">Sarma@sscu.iisc.ernet.in</a>	8,24,000/-	October 17-19, 2012
83.	DST/INT/JS PS/WS-2/12 <b>17.05.2012</b>	Advanced Materials including Polymers & Nanomaterials <b>(Workshop)</b>	Light-Matter Interactions at Molecular and Nanoscale Materials	Prof. T. Pradeep, Dept of Chemistry and Sophisticated Analytical Instrument Facility Indian Institute of Technology Madras Chennai 600 036 Phone: 91-44-2257 4208 (direct) Fax: 91-44-2257 0545/0509/4202 Email: <a href="mailto:pradeep@iitm.ac.in">pradeep@iitm.ac.in</a>	5,12,000/-	October 15-16, 2012
84.	DST/INT/JS PS/WS-3/12 <b>25.06.2012</b>	Molecular & Supramolecular Sciences <b>(Workshop)</b>	Recent Advances in Spectroscopy and Microscopy: Fundamentals and Applications to Materials and Biology	Dr. Anunay Samanta School of Chemistry University of Hyderabad Hyderabad-500046 <a href="mailto:assc@uohyd.ernet.in">assc@uohyd.ernet.in</a>	4,34,000/-	Nov. 20-21, 2012

**Partner Country: Korea**

85.	INT/Korea/P-13 13.09.2011	Robotics & Engineering Sciences	Fault Tolerant Control and Reconfiguration of Walking Robots with Flexible Legs	P. M. Pathak Indian Institute of Technology, Roorkee	19,64,000/-	3 years
86.	INT/Korea/P-09 13.09.2011	Nutrition & Food Safety	Identification of novel anti-cancer or chemopreventive agents by synthetic analogues of natural compounds and their molecular mechanism(s) study.	Kanchugarakoppal S. Rangappa University of Mysore	22,17,000/-	3 years
87.	INT/Korea/P-03 13.09.2011	Renewable Energy	Development of Platform Technology for Bio-oil Production Using Heterotrophic Microalgae	Z. P. Bhatena Bhavan's College	19,50,000/-	3 years
88.	INT/Korea/P-04 13.09.2011	Renewable Energy	Experimental investigations of fuel sprays of biodiesel, straight vegetable oils and their blends with mineral diesel for optimizing fuel injection equipment to lower engine exhaust emissions	Avinash Kumar Agarwal IIT Kanpur	28,00,440/-	3 years
89.	INT/Korea/P-05 23.08.2011	Chemical & Biochemical Technologies	Design and Synthesis of Quantum Dot-Based Benzimidazole-Coupled Chemosensors	Narinder Singh Indian Institute of Technology Ropar	7,65,000/-	3 years

90.	INT/Korea/P-12 <b>23.08.2011</b>	Chemical & Biochemical Technologies	Utilization of carbon dioxide for the production of fuel and chemicals.	Suman L. Jain Indian Institute of Petroleum	23,27,000/-	3 years
91.	INT/Korea/P-10 <b>23.08.2011</b>	Health & Medical Sciences	Mycobacterium tuberculosis infection: understanding the role of microRNAs in regulating the immune response of macrophages	Joyoti Basu Bose Institute	43,07,000/-	3 years
92.	INT/Korea/P-08 <b>15.09.2011</b>	Health & Medical Sciences	The interaction of myeloid-derived cells with Japanese encephalitis virus and its clinical application	Sunit Kumar Singh Centre for Cellular and Molecular Biology (CCMB)	60,23,000/-	3 years
93.	INT/Korea/P-15 <b>13.09.2011</b>	Material Science & Technology	Bioactive, sponge-type, 3-dimensional macroporous scaffold for soft tissue regeneration	Sayam Sen Gupta National Chemical Laboratory	32,73,000/-	3 years
94.	INT/Korea/P-01 <b>13.09.2011</b>	Material Science & Technology	Characterization and modification of ceria particles for STI CMP (Shallow Trench Isolation Chemical Mechanical Planarization)	S. Ramanathan Indian Inst. Technol. Madras	31,62,560/-	3 years
95.	INT/Korea/P-06 <b>13.09.2011</b>	Water Resources & Environment	Collaboration study on the potential linkage on the monsoon variability of Korea and India by the impacts of Pacific and Indian Ocean.	Sushil Kumar Dash Indian Institute of Technology Delhi	20,95,560/-	3 years



96.	INT/Korea/P-11 <b>23.08.2011</b>	Water Resources & Environment	Nanomaterial-based membrane in water purification	Chiranjib Bhattacharyya Jadavpur University	23,92,560/-	3 years
97.	INT/Korea/P-02	Water Resources & Environment	Synthesizing super-catalysts and tracking their catalytic pathways	Debabrata Pradhan IIT – Kharagpur		3 years
98.	INT/Korea/P-07 <b>13.09.2011</b>	Information Technology	System modeling and signal processing for cardiopulmonary sensing using microwave sensor	Manoj Kumar Singh Banaras Hindu University	46,59,000/-	3 years
99.	INT/Korea/P-14 <b>26.09.2011</b>	Information Technology	Contact less Finger Motion Recognition for Mobile Applications	Subhasis Chaudhuri IIT Bombay	25,57,560/-	3 years

**Partner Country: Mexico**

100	INT/MEX/01-04/2011(i) <b>29.08.2011</b>	Nanotechnology	Synthesis, Characterization and Application Studies on Upconversion Nanoparticles	Dr.KJ Sreeram, Central Leather Research Institute, Adyar, Chennai-600 020 Tel: 044-2441E-mail; 1630kjsreeram@clri.res.in	15,34,500/-	3-Year
101	INT/MEX/01-04/2011(ii) <b>29.08.2011</b>	Computer sciences	Answer Validation Through Textual Entailment	Dr.Sivaji Bandyopadhyay, Computer Science and Engineering Department, Jadavpur University, Kolkata-700 032 Tel: 3324146648 E:mail sbandyopadhyay@cse.jdvu.ac.in	15,84,000/-	3-Year
102	INT/MEX/01-04/2011(iii) <b>29.08.2011</b>	Chemistry	Synthesis of Au(I) Complexes Luminescent Based Benzimidazole,	Dr.Narinder Singh, Department of Chemistry, Indian Institute of Technology, Nangal Road,	13,46,400/-	3-Year

			Pyridyl and Amine: Gold Nano-Particles for Sensor Development	Ropar Email: nsingh@iitrpr.ac.in		
<b>Partner Country: Netherland</b>						
103	INT/NL/BIO MED/P-001/2011 <b>2.01.2012</b>	Optical Technology for Medical Imaging	Photoacoustic Imaging of interphalangeal joints in the hand as a primary- line examination test for rheumatoid arthritis diagnosis & therapy monitoring - instrument development & pilot clinical study.	Prof. R.M Vasu, Department of Instrumentation, IISc. Bangalore Tel. 91-80-22933191,2360013 5 Email. <a href="mailto:vasu@isu.iisc.ernet.in">vasu@isu.iisc.ernet.in</a>	28,58,300/-	Three Years (02/01/12 - 02/01/15)
104	INT/NL/BIO MED/P-002/2011 <b>5.01.2011</b>	Medical Devices for Affordable Health	An eye tracker perimeter-an intuitive tool for affordable glaucoma diagnosis & screening	Dr. Ronnie Jacob George, Sankara Nethralaya,18, College Road, Chennai Tel. (044)-28271616 Email. <a href="mailto:drrg@snmail.org">drrg@snmail.org</a>	9,12,500/-	Three Years (05/10/11 - 05/10/14)
105	INT/NL/BIO MED/P-003/2011 <b>26.09.2011</b>	computer Science (Medical Image Processing)	A cost effective solutionsfor the prevention of blindness using computer-aided diagnosis & fundus photography	Dr.Jayanthi Sivaswamy, International Institute of Information Technology, Hyderabad Tel. 91-490-6653-1000 Email. <a href="mailto:jsivaswamy@iiit.ac.in">jsivaswamy@iiit.ac.in</a>	29,84,800/-	Three Years (26/09/11 - 26/09/14)
106	INT/NL/BIO MED/P-004/2011 <b>Not Sanctioned</b>	Medical Devices for Affordable Health	Effectiveness of the (S)ELANA (Suture less excimer laser assisted non-occlusive anastomosis) anastomosis in	Prof. R. Krishna Kumar, IIT, Madras Tel. 91-44-2257-4730 Email. <a href="mailto:edoffice@iitm.ac.in">edoffice@iitm.ac.in</a>	Not Sanctioned	Not Sanctioned

			small vessels			
107	INT/NL/BIO MED/P- 005/2011 <b>2.01.2012</b>	Medical Devices for Affordable Health	Extramural maternal care for rural women: A medical device for providing diagnostic care, preventative information pre- referral services & personal digital health identity	Prof. Dr. Amit Sengupta, Medical & Health outreach & Member Trustee, RKSS-VTH, Jagdalpur, Chattisgarh Tel. 9820329861, 9969011800 Email. <a href="mailto:senguptaamit@hotmail.com">senguptaamit@hotmail.com</a>	17,69,300/-	Three Years (02/01/12 - 02/01/15)

**Partner Country: Portugal**

108	INT/Portugal /P-02/09 <b>20.07.2011</b>	Chemistry	Synthesis, Characterization and Catalytic applications of Ionic Liquids supported on Nano- Crystalline Metal Oxides	Dr. Beena Tyagi Discipline of Inorganic Materials & Catalysis Central Salt & Marine Chemicals Research Institute G. B. Marg Bhavnagar 364 002 Tel: 0278- 2567760/2568923/ 709(ext) Fax: 0278- 25667562 E-mail: <a href="mailto:btyagi@csmcri.org">btyagi@csmcri.org</a>	4,03,700/-	3 Years
109	INT/Portugal /P-03/09 <b>09.05.2011</b>	Health sciences	Exploring and characterizing Genetic Variation of Milk Protein	Dr. Mumtaz Baig Department of Zoology, Govt. Vidarbha Instt. of Science and Humanities Amravati 444 604 Tel: 0721 2531706 Fax: 0721 2531705 E-mail: <a href="mailto:mumtazbaig@gmail.com">mumtazbaig@gmail.com</a>	4,08,100/-	3 Years
110	INT/Portugal /P-07/09 <b>27.02.2012</b>	Biophysics	Surface Enhance Raman Spectroscopy (SERS) for Ultrasensitive Detection of	Dr. Marshal Dahyal Centre for Cellular and Molecular Biology Hyderabad Tel: 040-27192520 Fax: 040-27160591 E-mail:	3,89,550/-	3 Years

			Biomolecules	<a href="mailto:marshal@ccmb.res.in">marshal@ccmb.res.in</a>		
111	INT/Portugal /P-11/09 <b>30.06.2011</b>	New Materials	Development and optimization of processes for permanent hydrophilic and hydrophobic surface coatings with nano particles for multifunctional finishing of textiles	Dr. V. SornaGowri Advanced Materials and Process Research Institute (AMPRI) Hoshangabad Road Habibganj Naka, Bhopal462 026 Tel:0755 2489402 Fax:0755 2488985/2488323 E-mail: <a href="mailto:gowrisorna@yahoo.com">gowrisorna@yahoo.com</a>	3,88,300/-	3 Years
<b>Partner Country: Russia</b>						
112	INT/RFBR/P -090 <b>29.08.2011</b>	Biology & Medical Sciences	Computer-Aided Study of Hidden potential in traditional Indian medicine & its Pharmacological Validation	Dr. Rajesh Kumar Goel, Dept. of Pharmaceutical Sciences & Drug Research, Punjabi University, Patiala-147002, India Tel. (0175)3046255 Email. <a href="mailto:goelrkpup@gmail.com">goelrkpup@gmail.com</a>	16,97,720/-	Two Years (29/8/11-29/8/13)
113	INT/RFBR/P -091 <b>15.09.2011</b>	Biology & Medical Sciences	Role of mitochondrial MAVS & NLRX1 interaction in regulation of TNF induced ROS & inflammation	Dr. Rajesh Singh, Cell Biology Lab, School of Biological Sciences & Biotechnology, Indian Institute of Advanced Research, Koba Institutional Area, Koba, Gandhinagar-382997, GJ, India Tel. (079)-305-14-240 Email. <a href="mailto:rsingh@iiar.res.in">rsingh@iiar.res.in</a>	19,79,880/-	Two Years (15/9/11-15/9/13)
114	INT/RFBR/P -092 <b>13.09.2011</b>	Biological Sciences	Biodiversity of benthic faunal assemblage along the salinity	Prof. Dr. T. Balasubramanian, Centre of Advanced Study in Marine Biology, Faculty of	12,01,400/-	Two Years (13/9/11-13/9/13)

			gradients: patterns in arctic (the White Sea) & tropical (Bay of Bengal, India) estuaries	Marine Sciences, Annamalai University, Parangipettai, Tamil Nadu, India Tel. (04144)-243223/ 253089 Email <a href="mailto:stbcas@nic.in">stbcas@nic.in</a>		
115	INT/RFBR/P-093 13.09.2011	Telecommunication & Computer Science	Development of techniques for Metamorphic Malware Detection & Analysis	Prof. Manoj Singh Gaur, Dept. Of Computer Engineering, Malaviya National Institute of Technology, JLN Marg, Jaipur, 302017, India Tel. (+91)-141-2713227 Email. <a href="mailto:gaurms@mnit.ac.in">gaurms@mnit.ac.in</a> <a href="mailto:gaurms@gmail.com">gaurms@gmail.com</a>	8,09,600/-	Two Years (13/9/11-13/9/13)
116	INT/RFBR/P-094 23.08.2011	Physics and Astronomy	Interaction of Ionized, Atomic and molecular gas in star forming regions	Dr. Devendra Kumar Ojha, TIFR, Homi Bhabha Road, Mumbai-400005 Tel. (+91)2222782684 Email. <a href="mailto:ojha@tifr.res.in">ojha@tifr.res.in</a>	6,34,000/-	Two Years (23/8/11-23/8/13)
117	INT/RFBR/P-095 13/9/11	Biology & Medical Sciences	Identification & functional analysis of candidate genes associate with stay green & purple grain traits in wheat	Dr. Uttam Kumar IHC Complex, Lohi Road Tel (011) 24682100 Email. <a href="mailto:uttam.kumar@teri.res.in">uttam.kumar@teri.res.in</a>	24,53,040/-	Two Years (13/9/11-13/9/13)
118	INT/RFBR/P-096 23.08.2011	Chemistry	Study of transmembrane ion channel activity of cyclo-(1,6)-B-D-glucosamine derivatives & evaluation of their antibacterial	Dr. Pinaki Talukdar, IISER Pune, Ist Floor, Central, Tower, Sai Trinity Building, Garware Circle, Sutarwadi, Pashan, Pune, Maharashtra 411021, India Tel. (+91)2025908098,	13,92,000/-	Two Years (23/08/11 - 23/8/13)

			potential	(+91)2025899790 Email. <a href="mailto:ptalukdar@iiserpune.ac.in">ptalukdar@iiserpune.ac.in</a>		
119	INT/RFBR/P-097 <b>10.01.2012</b>	Telecommunication & Computer Science	Synthesis of high quality testable circuits & Diagnosis for performance oriented faults	Dr. Virendra Singh SERC, Indian Institute of Science (IISc) Bangalore Tel. (+91)8022933421 Email. <a href="mailto:viren@serc.iisc.ernet.in">viren@serc.iisc.ernet.in</a> , <a href="mailto:virendra@computer.org">virendra@computer.org</a>	10,94,000/-	Two Years (10/1/12-10/1/14)
120	INT/RFBR/P-098 <b>23.08.2011</b>	Environment Sciences	Investigating molecular mechanics underlying damaging effects of environmental pollutants-polycyclic aromatic hydrogen (PAH) on photosynthesis	Dr. Anjana Jajoo, School Of Life Sciences, Devi Ahilya University, Indore 452017 M.P Tel. 09893789779, 91-731-477166 Email. <a href="mailto:anjanajajoo@hotmail.com">anjanajajoo@hotmail.com</a>	14,88,880/-	Two Years (23/8/11-23/8/13)
121	INT/RFBR/P-099 <b>15.09.2011</b>	Telecommunication & Computer Science	Wireless Home Security System With Mobile (WHSSM)	Dr. Khanna Samrat Vivekanand Omparkash, Institute of S & T for Advanced studies & Research, (ISTAR) Vallabh Vidyanagar - 388120 Gujrat India Tel. 9374546364 Email. <a href="mailto:sonukhanna@yahoo.com">sonukhanna@yahoo.com</a>	8,52,200/-	Two Years (15/9/11-15/9/13)
122	INT/RFBR/P-100 <b>29.08.2011</b>	Spectroscopy	The spectral & photometric monitoring of gamma-ray burst afterglows, core-collapse supernovae & their host galaxies	Dr. Shashi Bhushan Pandey, yabhatta Research Institute of Observational Sciences ARIES), Manora Peak. Nainital, 263129 Tel. (0091)-5942-	12,54,880/-	Two Years (29/8/11-29/8/13)

				235136 Email. <a href="mailto:shashi@aries.res.in">shashi@aries.res.in</a>		
123	INT/RFBR/P -101 <b>23/08/11</b>	Combustion, Mechanical Engineering	Development of principals of eco-friendly technologies of gas combustion on the base of micro channels technologies.	Sudarshan Kumar, Department of Aerospace Engineering, IIT Bombay, Powai, Mumbai-76, India Tel. (022)25722602 Email. <a href="mailto:sundar@aero.iitb.ac.in">sundar@aero.iitb.ac.in</a>	17,00,000/-	Two Years (23/08/11 - 23/8/13)
124	INT/RFBR/P -102 <b>29/08/11</b>	Earth Sciences	Biosphere across the Vendian-Cambrian & Permian-Triassic periods & their response to the global late Proterozoin & late Palaeozoic glaciations	Dr. Mukund Sharma Birbal Sahni Institute of Palaeobotany, Lucknow Tel. 91- 522-2742922 Email. <a href="mailto:mukundsharma@bip.res.in">mukundsharma@bip.res.in</a> , <a href="mailto:sharmamukund1@rediffmail.com">sharmamukund1@rediffmail.com</a>	21,62,960/-	Two Years (29/08/11 - 29/08/13)
125	INT/RFBR/P -103 <b>6/9/2011</b>	Earth Sciences	Deep structure and seismicity in southeast Asia: Northeast India and Andaman-Nicobar region.	Prof. J.R.Kayal, School of Oceanographic Studies, Jadavpur university, Kolkata- 700032 Tel. 91- 9830675424 Email. <a href="mailto:jr_kayal@yahoo.com">jr_kayal@yahoo.com</a>	9,82,000/-	Two Years (6/9/11- 6/9/13)
126	INT/RFBR/P -104 <b>23/08/11</b>	Physics and Astronomy	Magnetic fields in star-forming clouds	Asoke Kumar Sen, Department of Physics, Assam University, Silchar 788011, India Tel. 91-3842-270990 (O), 91-3842- 236600(Res), 236979(Res) Email. <a href="mailto:asokesen@yahoo.com">asokesen@yahoo.com</a>	14,46,480/-	Two Years (23/8/11- 23/8/13)
127	INT/RFBR/P -105 <b>23/08/11</b>	Chemistry	Size dependent Amorphous-amorphous phase transition in tetrahedrally & octahedrally	Prof. Prafulla K. Jha Dept. Of Physics, Bhavnagar University, Bhavnagar- 364002, Gujrat,	11,78,720/-	Two Years (23/08/11 - 23/8/13)

			coordinated nanocrystals	India Tel. N/A Email. <a href="mailto:prafullaj@yahoo.com">prafullaj@yahoo.com</a>		
128	INT/RFBR/P -106 <b>29/9/11</b>	Biology & Medical Sciences	Cue from chemical defense of Indian Echinoderms to derive anticancer and immunomodulatory molecules	K. Padmakumar Centre for Marine Biodiversity, Kerala University Campus, Kariavattom, Trivandrum-695581, Kerala, India Tel. (0091)-471-9447794323 Email. <a href="mailto:k.padmakumar@gmail.com">k.padmakumar@gmail.com</a>	17,97,000/-	Two Years (29/9/11-29/9/13)
129	INT/RFBR/P -107 <b>19/09/11</b>	Spectroscopy/	Magnetism in low-dimensional strongly correlated spin systems probed using NMR/NQR spectroscopy	A.V.Mahajan, Department of Physics, IIT Bombay Tel. 9869225933, 022-25767573 Email. <a href="mailto:mahajan@phy.iitb.ac.in">mahajan@phy.iitb.ac.in</a>	18,28,000/-	Two Years (19/09/11 - 19/00/13)
130	INT/RFBR/P -108 <b>28/9/11</b>	Biology & Medical Science	Detection & analysis of sequence features specifying the adhesion ability of human influenza virus neuraminidase & Hemagglutinin proteins	Dr. S. Ramachandran Institute of Genomics & Integrative Biology (CSIR) Mall Road, Delhi, 110007 Tel. (011) 27666156 Email. <a href="mailto:ramu@igib.in">ramu@igib.in</a>	11,71,120/-	Two Years (28/03/11 - 28/03/13)
131	INT/RFBR/P -109 <b>19/9/11</b>	Earth Sciences	Seismic Hazard & Risk Assessment Based on Pattern Recognition: Himalayas & Adjacent Territories	Dr. Imtiaz A Parvez, CSIR Centre for Mathematical Modelling & Computer Simulation (C-MMACS) NAL Belur Campus Bangalore- 560037, India Tel. (080)-25051357, 25266469, 25220392 Email.	8,38,000/-	Two Years (19/9/11-19/9/13)



				<a href="mailto:parvez@cmmacsernet.in">parvez@cmmacs.ernet.in</a>		
132	INT/RFBR/P-110 28/09/11	Physics & Astronomy	Electroresistance in single crystals & thin films of mixed valence magnetites.	Prof. A.K Raychaudhuri, S.N.Bose National Centre for Basic Sciences, JD Block, Sector-III, Salt Lake, Kolkata-700098 Tel. (033)-23355709 Email. <a href="mailto:arup@bose.res.in">arup@bose.res.in</a>	16,35,500/-	Two Years (28/09/11 - 28/09/13)
133	INT/RFBR/P-111 11/1/2012	Earth Sciences	Geophysical study of the Ninetyeast ridge and adjoining ocean basins-constrain on intraplate deformation and Keruguelen hotspot kinetics	Dr. D. Gopala Rao, Geology Department, Osmania University, Hyderabad Tel. (+91)-40-27682338/23434600 Email. <a href="mailto:dr.gopalarao@yahoo.com">dr.gopalarao@yahoo.com</a> .	5,96,000/-	Two Years (11/1/12-11/1/14)
134	INT/RFBR/P-112 2/1/2012	Earth Sciences	Constraints on crustal evolution & ore mineralization in the Aravalli-Bundelkhand Proto-Continent, Northern Indian Shield, & the Eastern Baltic Shield, Russia	Prof. Talat Ahmad, Department of Geology, Centre for Advanced Studies in Geology, University of Delhi-110007, India Tel. 011-27667073 Email. <a href="mailto:tahmad001@yahoo.co.in">tahmad001@yahoo.co.in</a>	18,43,000/-	Two Years (02/01/12 - 02/01/14)
135	INT/RFBR/P-113 10/1/2012	Chemistry	Polymorphism & Z' >1 phenomena in molecular crystals: Topological analysis of Electron density function as a tool in examining intermolecular interactions	Prof. T.N Guru Row, Solid State & Structural Chemistry Unit, Indian Institute Of Science, Bangalore 560012, India Tel. (+91)8022932796 Email. <a href="mailto:ssctng@sscu.iisc.ernet.in">ssctng@sscu.iisc.ernet.in</a>	11,46,000/-	Two Years (10/1/12-10/1/14)

**Partner Country: Slovenia**

136	INT/SLOVE NIA/P-3/09 May 09, 2011	Health sciences	Cyclic nucleotide mediated cell signaling in Mycobacteria: structure and function	Prof. Sandhya S. Visweswariah Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science Bangalore-560012. Tel:+91 80 22932542 Fax: +91 80 23600999	7,60,500/-	3 Years
137	INT/SLOVE NIA/P-12/09 April 27, 2011	Mathematics	Cryptographically significant Boolean functions with applications in stream and block ciphers	Dr. Sugata Gangopadhyay Department of Mathematics, Indian Institute of Technology Roorkee-247 667. Tel:01332 285829 Fax: 01332 273560	8,61,300/-	3 Years
138	INT/SLOVE NIA/P-18/09 April 27, 2011	Mathematics	Derivations and related mappings in rings and algebras	Prof. Mohammad Ashraf Department of Mathematics, Aligarh Muslim University Aligarh-202002. Tel:0571-2701019	8,87,700/-	3 Years

**Partner Country: Spain**

139	DST/INT/Spain/P-26/2011 <b>23.07.2012</b>	Health and Medical Research	Metabolomic applications to the identification of new therapeutic targets for tuberculosis treatment	Dr. Shekhar C. Mande Structural Biology Centre for DNA Fingerprinting and Diagnostics Tuljaguda (Opp MJ Market) Nampally Hyderabad-500001, AP Ph. (O): +91-(040) 24749401/402 Fax: +91-(040) 24749403 <a href="mailto:shekhar@cdfd.org.in">shekhar@cdfd.org.in</a>	44,37,682/-	3 years
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140	DST/INT/Sp ain/P- 27/2011 <b>27.06.2012</b>	Health and Medical Research	Evaluation of Plasmodium falciparum erythrocyte binding antigens as malaria vaccine candidates	Dr. Deepak Gaur Malaria International Centre for genetic Engineering and Biotechnology (ICGEB) Aruna Asaf Ali Marg, New Delhi 110067 Ph. (O):+91-11- 26741358 Fax: +91-11-26742316 Mob. +91- 9818807105 <a href="mailto:dgaur@icgeb.res.in">dgaur@icgeb.res.in</a>	44,49,000/-	3 years
141	DST/INT/Sp ain/P- 28/2011 <b>10.02.2012</b>	Health and Medical Research	Translational Research to Combat Emerging Antimicrobial Resistance in India	Dr. Kashi Nath Prasad Dept of Microbiology Sanjay Gandhi Postgraduate Institute of Medical Sciences Lucknow- 226014 Ph. (O): 91- 522 2494265 Fax:91-522 2668017 Mob.91- 9415015897 <a href="mailto:knprasad@sgpgi.ac.in">knprasad@sgpgi.a c.in</a> ; <a href="mailto:knpusha2002@yahoo.com">knpusha2002@yah oo.com</a>	35,76,500/-	3 years
142	DST/INT/Sp ain/P- 29/2011 <b>17.02.2012</b>	Health and Medical Research	Population genetic and functional analyses of maintenance of DNA sequence variability in response to infectious agents (human innate immune system and other responses)	Dr. Partha Majumder National Institute of Biomedical Genomics Netaji Subhas Sanatorium, 2 <sup>nd</sup> Floor, Kalyani, West Bengal 741251 Ph. (O): (+91-33) 25892151 Fax: (+91- 33)25892150 Mob. (+91)98310 04230 <a href="mailto:ppm1@nibmg.ac.in">ppm1@nibmg.ac.in</a>	44,37,400/-	3 years
143	DST/INT/Sp ain/P- 30/2011 <b>13.03.2012</b>	Health and Medical Research	Photodynamic therapy against the tumor vascular system	Dr. Danaboyina Ramaiah Chemical Sciences & Technology	27,20,500/-	3 years

				Division, National Institute for Interdisciplinary Science & Technology (NIIST), CSIR, Trivandrum 695 019 Ph. (O): +91-471-2515362 Fax: (91) 471-2490186; 2491712 Mob. +91-9447586261 <a href="mailto:rama@niist.res.in">rama@niist.res.in</a> ; <a href="mailto:d.ramaiah@gmail.com">d.ramaiah@gmail.com</a>		
144	DST/INT/Span/P-31/2011 <b>19.03.2012</b>	Health and Medical Research	Synaptic Reorganization of the Amygdala-Hippocampus Circuit during Stress	Dr. Sumantra Chasttarji Neurobiology National Centre for Biological Sciences, TIFR GKVK Campus, Belly Road Bangalore 560065 Ph. (O): +91 80 23666121 Fax: +91 80 23636662 <a href="mailto:shona@ncbs.res.in">shona@ncbs.res.in</a>	32,53,520/-	3 years
145	DST/INT/Span/P-33/2011 <b>19.03.2012</b>	Health and Medical Research	Protein translation in organelles of Plasmodium falciparum	Dr. Saman Habib Molecular & Structural Biology Central Drug Research Institute- CSIR, Lucknow Chattar Manzil, MG Road, Lucknow- 226001 Ph. (O): 91- 522-2612411 to 418 ext. 4282 Fax91-522- 2623405: Mob.91- 9335248113	41,98,000/-	3 years
146	DST/INT/Span/P-34/2011 <b>29.03.2012</b>	Health and Medical Research	Functional genetics to decipher the molecular basis of vision loss in inherited retinal dystrophies: applying in Vivo	Dr. Subeer S. Majumdar Embryo Biotechnology Lab. & Cellular Endocrinology Lab National Institute of Immunology, New Delhi Aruna Asaf	36,68,700/-	3 years

			DNA electroporation into the mouse germ line for stable transgenesis in rod and cone photoreceptor cells	Ali Marg, Near JNU east gate New Delhi, 110067 Ph. (O): 011-26703751 Fax: 011-267042125 Mob. +91-9818170750 <a href="mailto:subeer@nii.res.in">subeer@nii.res.in</a>		
147	DST/INT/Span/P-35/2011 <b>30.04.2012</b>	Information Technology	On-Chip Network Simulation Platform for Reliable, Accurate, and Fast System Co-Design of Embedded and Multicore Systems	Dr. Manoj S. Gaur Dept. Computer Engineering Malaviya National Institute of Technology, Jaipur-302017 Rajasthan Ph. (O): +91-141-2713227; +91-141-2529154 Fax: +91-141-2529154 Mob. +91-9414045867 <a href="mailto:gaurms@mnit.ac.in">gaurms@mnit.ac.in</a> ; <a href="mailto:gaurms@gmail.com">gaurms@gmail.com</a>	28,57,060/-	3 years
148	DST/INT/Span/P-36/2011 <b>19.03.2012</b>	Information Technology	Advanced Adaptive Filtering for Sensor Networks and Sparse Systems Applications	Dr. Mrityunjay Chakraborty Dept of E. & E.C.E. Indian Institute of Technology Kharagpur 721302, WB Ph. (O): 03222-283512 Fax: 03222-255303 Mob. 09434026874 <a href="mailto:mrityun@ece.iitkgp.ernet.in">mrityun@ece.iitkgp.ernet.in</a>	20,99,000/-	3 years
149	DST/INT/Span/P-37/2011 <b>10.02.2012</b>	Nano Technology	Preparation of nanomaterials applied to renewable energy devices and other environmental applications by high intensity ultrasound processing.	Dr. S. Anandan Dept of Chemistry National Institute of Technology Trichy 620 015 Ph.(O): 91-431-2503639 Fax: 91-431-2500133 Mob. 91-9444052074 <a href="mailto:sanand@nitt.edu">sanand@nitt.edu</a> <a href="mailto:sanand99@yahoo.com">sanand99@yahoo.com</a>	34,88,000/-	3 years

150	DST/INT/Sp ain/P- 38/2011 <b>13.03.2012</b>	Nano Technology	Development of rare earth- doped nanocrystalline materials for applications in optical sensors and photonic devices	Dr. C.K. Jayasankar Physics Sri Venkateswara University Tirupati- 517502 Ph. (O): +91-877-2289472 Fax: +91-877- 2289472 Mob. +91- 9491777818 <a href="mailto:ckjaya@yahoo.com">ckjaya@yahoo.com</a>	34,08,000/-	3 years
151	DST/INT/Sp ain/P- 39/2011 <b>07.02.2012</b>	Renewable Energy	Giant Caloric Materials for Energy Harvesting and Sustainable Refrigeration	Dr. Subham Majumdar Dept. of Solid State Physics Indian Association for the Cultivation of Science, Kolkatta Ph. (O): +91-33- 24734971 ext. 317, Fax. +91-33-2473- 2805 Mob. +91- 9836701580 <a href="mailto:sspsm2@iacs.res.in">sspsm2@iacs.res.in</a>	17,70,000/-	3 years
152	DST/INT/Sp ain/P- 40/2011 <b>12.04.2012</b>		Solar Absorption Refrigeration Systems Operating with Ionic Liquids as Absorbents and Ammonia as Refrigerant	Dr. G. Venkatarathnam Dept. of Mechanical Engg. Indian Institute of Technology Madras Refrigeration and Air conditioning Laboratory Chennai 600036 Ph. (O): +91 44 2257 4685 Fax: +91 44 2257 4652 Mob. +91 91 7648 5950 <a href="mailto:gvenkat@iitm.ac.in">gvenkat@iitm.ac.in</a>	48,91,800/-	3 years
153	DST/INT/Sp ain/P- 41/2011 <b>27.06.2012</b>	Nano Technology	Delivering, triggering and imaging innate immune signals with pathogenmimeti c nanostructures	Dr. Virander S. Chauhan Mammalian Biology: Malaria ICGEB, ICBE Campus, P.O.Box:10504, Aruna Asaf Ali Marg, New Delhi - 110 067 Tel. 00911126742317	49,44,000/-	3 years

				Fax: 00911126742316 Cell phone: 00919811292058 <a href="mailto:virander@icgeb.res.in">virander@icgeb.res.in</a>		
154	DST/INT/Span/P-42/2011 <b>12.04.2012</b>	Nano Technology	Theoretical and computational investigation of molecular magnets and extended systems as candidates of exotic nanomaterials with useful properties	Dr. Sambhu Nath Datta Dept. of Chemistry Indian Institute of Technology Bombay, Powai, Mumbai– 400 076 Ph. (O): 91 – 22 – 2576 7156 Fax: 91 – 22 – 2572 3480 Mob. 91 – 22 – 9833237259 <a href="mailto:sndatta@chem.iitb.ac.in">sndatta@chem.iitb.ac.in</a>	41,90,240/-	3 years
155	DST/INT/Span/P-43/2011 <b>13.03.2012</b>	Nano Technology	Toward the design of an efficient white light nano LED	Prof. Amitava Patra Dept of Materials Science Indian Association for the Cultivation of Science 2a &b Raja S. C. Mullick Road, Jadavpur, Kolkata 700032 Ph. 91-33-2473-3542 (Off); 91-33-2484-4124 (Res.) Fax: 91-33-2473-2805 Mob. 09433479982 <a href="mailto:msap@iacs.res.in">msap@iacs.res.in</a>	18,61,000/-	3 years
<b>Partner Country: South Africa</b>						
156	DST/INT/SA/P-1/2011 <b>09-01-12</b>	Life Sciences	Chloroplast Genome Sequencing of Biodiesel Producing Microalgae Strains from Extreme Climates in India and South Africa	Dr. S. Elumalai, Plant Biotechnology Dept. Presidency College, Madras University	5,34,000/-	3 years

157	DST/INT/SA/ P-2/2011 <b>10-01-12</b>	Life Sciences	Nanomedicine as a biomedical intervention against Acute Cardiac Syndrome and associated statistical models	Dr. Bhaswati Ganguli Reader Department of Statistics, University of Calcutta Kolkata	7,89,000/-	3 years
158	DST/INT/SA/ P-3/2011 <b>02-01-12</b>	Life Sciences	Development of Functionally Graded Metallic Components by Laser Materials Processing for Bio-implant Application	Dr. J. Dutta Majumdar Associate professor Department of Metallurgical and Materials Engineering Indian Institute of Technology Kharagpur-721302	9,70,000/-	3 years
159	DST/INT/SA/ P-4/2011 <b>10-01-12</b>	Life Sciences	Development of new nuclear medicine diagnostic agents for imaging infection – with focus on tuberculosis	Dr. Anupam Mondal Sc 'F', INMAS Brig. Sk. Mazumdar Road, Timarpur, Delhi	11,01,000/-	3 years
160	DST/INT/SA/ P-5/2011 <b>10-01-12</b>	Life Sciences	Synthesis and antimalarial activity of bioactive heterocyclic compounds	Kanchugarakoppal S. Rangappa Professor and Vice-Chancellor Department of Studies in Chemistry, University of Mysore, Manasagangotri, Mysore – 570 006, India	11,01,000/-	3 years
161	DST/INT/SA/ P-6/2011 <b>02-01-12</b>	Life Sciences	Optimization of thermal and shock wave damage during selective tissue cell removal using laser pulse shaping	Sarit Kumar Das, Department of Mechanical Engineering, Indian Institute of Technology Madras, Chennai, Tamilnadu – 600036, India	11,01,000/-	3 years



162	DST/INT/SA/ P-7/2011 <b>10-01-12</b>	Life Sciences	Conservation of Indigenous Knowledge on Traditional Medicine. Preventive and Therapeutic Nutrition Practiced in India and South Africa	Prof.Kasturi Sen Ray, Tata Institute of Social Sciences, V.N. Purav Marg, deonar Mumbai - 400088	11,01,000/-	3 years
163	DST/INT/SA/ P-8/2011 <b>02-01-12</b>	Astrophysics	Application of nano composites in space Science	Dr. R. Velmurugan Prof. Indian Institute of Technology Madras, Chennai - 600036, India	11,01,000/-	3 years
164	DST/INT/SA/ P-9/2011 <b>02-01-12</b>	Astrophysics	Linear and nonlinear studies of fluctuation phenomena in space and astrophysical plasmas	Dr. Satyavir Singh Associate Prof. Indian Institute of Geomagnetism Plot No. 5, Sector-18 New Panvel (W), Navi Mumbai-410218	8,37,000/-	3 years
165	DST/INT/SA/ P-10/2011 <b>09-01-12</b>	Astrophysics	Finite element model updating of aerostructure using density based fish School Search	Snehashish Chakrverty, Prof. National Institute of Technolgy, Rourkela	8,37,000/-	3 years
166	DST/INT/SA/ P-11/2011 <b>10-01-12</b>	Astrophysics	Multi-wavelength astronomy with the Virtual Observatory	Ajit Kembhavi, Prof. Inter University Centre for Astronomy and Astrophysics, Pune.	8,04,000/-	3 years
167	DST/INT/SA/ P-12/2011 <b>02-01-12</b>	Chemistry	Development of rare-earth ions-metallic nanoparticles hybrid phosphors with Hydro-philic polymer: An application of photocatalysis for water treatment	Avinash Chandra Pandey Prof. Nanotechnology Application Center University of Allahabad Allahabad-211002, India	8,04,000/-	3 years

168	DST/INT/SA/ P-13/2011 <b>10-01-12</b>	Chemistry	Green chemistry approaches to the synthesis and functionalization of GaN for use in gas and bio-senso	Sandip Kumar Dhara Scientific Officer /F Surface and Nanoscience Division, Indira Gandhi Centre for Atomic Research, Kalpakkam, TN-603102, India	10,35,000/-	3 years
169	DST/INT/SA/ P-14/2011 <b>10-01-12</b>	Chemistry	Production of Synthesis Gas and its Clean Processing by a Multi-Stage Wet Scrubber	Prof. B. C. Meikap Department. of Chemical Engineering IIT, Kharagpur-721 302 Fax: 03222-2832250 Phone(Off.): 283958 Email: <a href="mailto:bcmeikap@che.iitkgp.ernet.in">bcmeikap@che.iitkgp.ernet.in</a>	10,35,000/-	3 years
170	DST/INT/SA/ P-15/2011 <b>10-01-12</b>	Chemistry	Greenj Oxidation Catalysts Based on Gold and Silver Organometallics and Nanoparticles Designed with N-Heterocyclic Carbenes.	Chandra Sekhar VASAM, Asstt. Prof. Deptt. of Chemistry, University College Satavahana University, Karimnagr.	10,18,500/-	3 years
171	SAFR/P/1/ 2011 <b>11.03.2011</b>	Life Sciences	Comparative Immunogenicity of Novel Indian and South African HIV-1, Subtype C ENV Peptide and Recombinant protein constructs Indian Institute of Science	Prof. Virender Chauhan, International Centre for Genetic Engineering and Biotechnology, New Delhi	4,13,98,092/-	3 years
172	SAFR/P/2/ 2011 <b>03.10.11</b>	Life Sciences	Novel HIV-1 Integrase Inhibitors Discovery Programme	Dr Vibha Tandon, Department of Chemistry, University of Delhi, Delhi, India.	8,82,000/-	3 years
173	DST/INT/Me	Life Sciences	Mycolic acid	Prof D Behera, Dr.		3 years

	ga SAFR/P/3/ 2011 <b>28.09.11</b>		Antibody Real- Time Inhibition (MARTI) Serodiagnosis of TB	P. Visalakshi & Dr. Sangeeta Sharma LRS Institute of Tuberculosis & Respiratory Diseases; Dr. K.L. Chakraborti, Dept of Radiological Imaging, Institute of Nuclear Medicine & Allied Sciences (INMAS)		
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