

IMRCD R&D Input

S.No	Partner/ Multilateral Entity	Project Title	PI Name	Name of Grantee Institution	Location	District	State/UT	Intended Outcome of the project (no more than 25 words)	Major Outcome of the project (no more than 25 words)	Possible Categorisatio n under National Programmes	Duration of the project (Start Date dd/mm/yy)	Duration of the project (End Date dd/mm/yy)	Total Sanctione d Cost (in Rs.)	Release made so far
2014														
1	EU	Innovative Material Systems for Solar Energy Harvesting in Photoelectrochemical	Prof. Bodh Raj Mehta	IIT Delhi		New Delhi	New Delhi				05.08.2014	31.03.2018	68,52,000	53,18,000
2	EU	Cooper Zinc TIN (CZTS) absorber material prepared by modified Activated Reactive Sputtering (MARS) technique for high efficiency thin film solar cells	Prof. A Subrahmanyam	IIT Madras		Madras	Chennai				29.09.2014	31.03.2018	71,20,400	45,65,870
3	EU	Innovative thermal energy storage system	Prof. Arvind Kumar	IIT Kanpur		Kanpur	Uttar Pradesh				01.08.2014	31.03.2018	69,30,000	48,30,000
4	EU	Window Integrated Solar Cell	Prof. Vamsi Komarala	IIT Delhi		New Delhi	New Delhi				01.08.2014	31.03.2018	64,12,400	46,70,800
5	EU	Low-cost and efficient MFC Materials for Bioelectricity Production from waste Materials	Prof. S. Venkata Mohan	IICT Hyderabad		Hyderabad	Hyderabad				05.08.2014	31.03.2018	34,71,400	34,70,600
6	EU	Low-cost and efficient MFC Materials for Bioelectricity Production from waste Materials	Prof. Anil Verma	IIT Delhi		New Delhi	New Delhi				05.08.2014	31.03.2018	32,02,400	25,59,800
7	EU	Multi-Functional nanocomposite Materials for Low Temperature Ceramic Fuel Cells	Prof. S. Basu	IIT Delhi		New Delhi	New Delhi				01.08.2014	31.03.2018	52,04,000	35,34,920

8	EU	Multi-Functional nanocomposite Materials for Low Temperature Ceramic Fuel Cells	Prof. R.N. Basu (Co-PI)	CGCRI Kolkata		Kolkata	West Bengal				01.08.2014	31.03.2018	33,86,400	36,31,647
9	EU	Stabilize Energy	Prof. Saikat Charkabarti	IIT Kanpur		Kanpur	Uttar Pradesh				30.09.2014	31.03.2018	29,93,600	11,51,200
10	EU	Stabilize Energy	Manesha V Ramesh	Amrita University,		Tamil Nadu	Tamil Nadu				08.10.2014	31.03.2018	29,13,600	13,01,200

2016

11	EU	Multilayer Nano-capsules and Targeted DNA Vaccines for Immunotherapy of Cancer	Prof. Gopal Kundu	National Centre for Cell Science		Pune	Maharashtra				29.09.2016	28.09.2019	45,70,344	20,57,400
12	EU	Multilayer Nano-capsules and Targeted DNA Vaccines for Immunotherapy of Cancer	Dr. S. W. Gosavi (Co-PI)	Savitribai Phule Pune University		Pune	Maharashtra				29.09.2016	28.09.2019	24,82,056	9,01,800
13	EU	Nanoplatform based drug delivery system: combinational therapy against breast and colorectal cancer	Jyotsnendu Giri	IIT Hyderabad		Hyderabad	Hyderabad				15.09.2016	14.09.2019	70,94,304	24,01,920
14	EU	Exploring the volatome of non-communicable diseases as a promising, innovative and integrating approach for its rapid diagnostics.	Prof. Srikanth Rapole	National Centre for Cell Science		Pune	Maharashtra				29.09.2016	28.09.2019	51,55,272	22,32,144

2017

15	EU	One Platform- Multiple biomarker detection of Rheumatoid Arthritis	Ritobrata Goswami	IIT Kharagpur		Kharagpur	West Bengal				15.06.2017	14.06.2020	61,70,454	17,43,280
16	EU	Initiative for Development of Biomarkers in Immune Neuropathies' for 3 years' duration under the framework of India-European Union Science & Technology Cooperation Agreement.	Prof. Man Mohan Mehndiratta	GIPMER, Maulana Azad Medical College, New Delhi		New Delhi	New Delhi				29.06.2017	28.06.2020	74,32,776	28,37,592

17	EU	Comprehensive evaluation of pathophysiology and nutraceutical intervention for improved knee Osteoarthritis	Dr. Abhay Harshulkar	IRSHA Bharti Vidyapeeth University		Pune	Maharashtra				21.06.2017	20.06.2020	70,42,232	28,63,944
18	EU	Development of an Integrated Process for Conversion of Biomass to Affordable Liquid Biofuel.	Prof.Atul Narang	IIT Delhi		New Delhi	New Delhi				1.11.2017	31.10.2020	90,09,186	49,11,062
19	EU	Toward Higher Efficiencies and Lower Emissions using Indian-origin Biofuels: Developing a Predictive CFD Model with Well-validated Reduced Combustion Kinetics for Device-scale Applications	Prof. Anand Krishnasamy	IIT Madras		Madras	Chennai				24.11.2017	23.11.2020	59,48,000	44,00,000
20	EU	Toward Higher Efficiencies and Lower Emissions using Indian-origin Biofuels: Developing a Predictive CFD Model with Well-validated Reduced Combustion Kinetics for Device-scale Applications	Prof. Pranay Morajkar (Co-PI)	Goa University		Goa	Goa				24.11.2017	23.11.2020	53,98,000	39,00,000
21	EU	Ground state magnetic structure, spin dynamics, and hyperfine interactions in frustrated 3d-metal based helimagnets: nuclear resonance spectroscopy study	Avinash Mahajan	Indian Institute of Technology Bombay		Mumbai	Maharashtra				11.12.2017	10.12.2020	35,64,000	14,58,000
22	BRICS	Nano-Engineered Concrete for Sustainable Infrastructure	Dr. L.P. Singh	CSIR-Central Building Research Institute,		Roorkee	Uttarakhand				11.12.2017	10.12.2020	29,86,400	10,62,000
23	BRICS	Probing fundamental characteristics of extreme astrophysical phenomena.	Shashi Bhusan Pandey	ARIES Manora Peak,		Nainital	Uttarakhand				22.12.2017	21.12.2020	37,47,600	14,47,200
24	BRICS	Epigenetics of macrophages during Mycobacterium tuberculosis infection.	Sanjeev Khosla	Centre for DNA Fingerprinting and Diagnostics		Hyderabad	Hyderabad				15.12.2017	14.12.2020	36,13,712	13,46,976

2018

25	EU	Holistic processes and practices for clean energy in strengthening bioeconomic strategies	Dr Binod Parameswaran	CSIR-National Institute for Interdisciplinary Science and Technology,		Thiruvananthapuram	Kerala				11.01.2018	10.01.2021	69,44,600	23,48,200
26	EU	Development of efficient biomass conversion routes for biofuel production and utilisation	Ranjana Chowdhury	Jadavpur University		Kolkata	West Bengal				29.01.2018	28.01.2021	73,91,752	42,92,584
27	BRICS	Boron and gadolinium nanoparticles for cancer diagnosis and therapy	Dr.Swadin Mandal	Department of Chemical Sciences, IISER - Kolkata		Kolkata	West Bengal				15.03.2018	14.03.2021	36,13,712	13,46,976
28	BRICS	Nanocrystalline hard magnetic Sm-Co-Fe-T alloys (T = Cu, Ti, Zn, and Zr) with the normal and abnormal temperature dependence of coercivity	Dr.RaghavanGopalan	International Advanced Research Centre for Powder Metallurgy and New Materials		Hyderabad	Hyderabad				17.04.2018	16.04.2021	35,94,072	17,13,616
29	BRICS	Physical basis of domain engineering in piezoelectric single crystals of PMN-PT family and lead-free piezoceramics	Dr.S S Islam	Centre For Nanoscience and Nanotechnology , JamiaMilliaIslami a, New Delhi		New Delhi	New Delhi				17.04.2018	16.04.2021	36,83,544	14,90,600
30	BRICS	Fundamentals for development of individual nano-objects and nano-devices bottom-up mechanical integration for quantum and non-local phenomena study, nano-electronics and nano-bio-medical diagnostics	Dr.Digbijoy N. Nath	Indian Institute of Science, Bangalore		Bangalore	Karnatka				17.04.2018	16.04.2021	35,31,000	14,67,000
31	BRICS	All-dielectric and hybrid nanoantennas for multifunctional sensors	Dr.Ravindra K Sinha	CSIR-Central Scientific Instruments Organisation, Chandigarh		Chandigarh	Punjab				17.04.2018	16.04.2021	32,09,456	12,77,800
32	BRICS	New principles and fabrication technologies of extreme 2D and 0D AlGaInNnanoheterostructures for high efficiency mid- and deep-ultraviolet spontaneous and laser emitters	Dr.Anirban Bhattacharyya	Institute of Radio Physics and Electronics University of Calcutta		Kolkata	West Bengal				17.04.2018	16.04.2021	30,60,200	13,75,000
33	BRICS	Optical communication with spatial modes of light.	Dr.Shanti Bhattacharya	IIT Madras		Madras	Chennai				20.04.2018	19.04.2021	26,41,669	10,59,120

34	BRICS	Development of a new screening platform for the discovery of novel therapeutics to cure neurodegenerative diseases	Dr.NiharRanjan Jana	National Brain Research Centre,		Gurgaon	Haryana				08.03.2018	07.03.2021	33,45,000	13,85,000
35	BRICS	Identification of Key genetic/epigenetic Marker(s) in cervical carcinogenesis and development of corresponding Molecular Therapeutics for precision medicine of cervical cancer	Dr.BhudevC.Das	Institute of Molecular Medicine & Stem Cell Research, Amity University		Noida	Uttar Pradesh				10.04.2018	10.04.2021	27,93,600	14,19,200
36	BRICS	Identification of Key genetic/epigenetic Marker(s) in cervical carcinogenesis and development of corresponding Molecular Therapeutics for precision medicine of cervical cancer	Dr. Priya Ranjan Dabata (Co-PI)	North Orissa University, Odisha		Odisha	Odisha				10.04.2018	10.04.2021	7,42,800	2,47,600
37	BRICS	Brazil-India-China collaborative study on brain connectivity and neuromodulation techniques	Dr. B.N. Gangadhar	National Institute of Mental Health and Neurosciences, Bangalore		Bangalore	Karnatka				11.04.2018	10.04.2021	39,79,512	12,91,144
38	BRICS	Superflares on stars and the Sun	Dipankar Banerjee	Indian Institute of Astrophysics, Bangalore		Bangalore	Karnatka				17.04.2018	16.04.2021	34,18,584	10,49,528
39	BRICS	Multi-Wavelength and Multi-Messenger Studies of the Transient Universe	Devendra Kumar Sahu	Indian Institute of Astrophysics, Bangalore		Bangalore	Karnatka				17.04.2018	16.04.2021	10,05,000	3,35,000
40	BRICS	Development of novel cooling systems for high power LEDs for enhanced reliability and lifetime	Dr.Sameer Khandekar	IIT Kanpur		Kanpur	Uttar Pradesh				17.04.2018	16.04.2021	37,45,840	15,38,880
41	BRICS	Platinum as an essential element in an integrated process for efficient energy conversion	Dr.AnkurBordoloi	CSIR-Indian Institute of Petroleum, Dehradun		Dehradun	Uttrakhand				17.04.2018	16.04.2021	34,61,776	14,73,800
42	BRICS	Research and development of algorithms and software for the processing, storage and visualization of laser scanning and photography data	Dr. R.D. Garg,	IIT, Roorkee		Roorkee	Uttrakhand				17.04.2018	16.04.2021	26,92,168	9,85,000
43	BRICS	Hybrid Manufacturing of Aerospace Parts: Software Modeling, Simulation, Verification and Development	Dr.K.P. Karunakaran	IIT Bombay		Mumbai	Maharashtra				11.04.2018	10.4.2021	24,30,600	8,10,200

44	BRICS	Collaboration on Glaciers and Snow/Firn Characteristics Variability Studies in Polar and Subpolar Regions	Dr.Gulab Singh	IIT Bombay		Mumbai	Maharashtra				17.04.2018	16.04.2021	38,14,144	15,57,200
45	BRICS	Coastal Communities Adaptive and Resilient at the Edge	Dr.Sameer M. Deshkar	Visvesvaraya National Institute of Technology, Nagpur		Nagpur	Maharashtra				17.04.2018	16.04.2021	28,63,056	9,65,800
46	International Multilateral & Regional Cooperation (IMRC) India	RIS & NIAS Joint Programme in Science Diplomacy	Dr. Sachin Chaturvedi & S.Chandran	RIS, Delhi & NIAS, Bangalore	Delhi & Bangalore		Delhi & Karnataka	Capacity building in Science Diplomacy	-Case studies On Science Diplomacy -Network of Experts - Science Diplomacy for strategic thinking NRI		05.03.2018	04.03.2021	151,50,000	52,50,000