

List of the provisionally selected BRICS Projects #

S.No.	Registration Number	Acronym & Title of the Project	PI & Organization
1	115	Loop- Nano-Engineered Concrete for Sustainable Infrastructure	Dr. L P Singh CSIR-Central Building Research Institute, Roorkee
2	183	Helimagnets -Ground state magnetic structure, spin dynamics, and hyperfine interactions in frustrated 3d-metal based helimagnets: nuclear resonance spectroscopy study	Dr. A.V. Mahajan Department of Physics, IIT Bombay
3	225	BGNCDT -Boron and gadolinium nanoparticles for cancer diagnosis and therapy	Dr. S. Mandal, Department of Chemical Sciences, IISER - Kolkata
4	258	Nanomag-SmCoFe- Nanocrystalline hard magnetic Sm-Co-Fe-T alloys (T = Cu, Ti, Zn, and Zr) with the normal and abnormal temperature dependence of coercivity	Dr. Raghavan Gopalan, International Advanced Research Centre for Powder Metallurgy and New Materials (ARCI) Hyderabad
5	369	DomEng -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 , Jamia Millia Islamia, New Delhi
6	437	nanoBRICSrough- 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 ,Centre for Nano Science and Engineering, IISc, Bangalore
7	233	ADHNMS -All-dielectric and hybrid nanoantennas for multifunctional sensors	Dr. Ravindra K Sinha, CSIR- Central Scientific Instruments Organisation, Chandigarh
8	383	UV-BRIDGE -New principles and fabrication technologies of extreme 2D and 0D AlGaInN nanoheterostructures for high efficiency mid- and deep-ultraviolet spontaneous and laser emitters	Dr. Anirban Bhattacharyya , Institute of Radio Physics and Electronics University of Calcutta
9	241	OPTIMODE - Optical communication with spatial modes of light	Dr. Shanti Bhattacharya , IIT Madras
10	112	NEURO THERAPY- Development of a new screening platform for the discovery of novel therapeutics to cure neurodegenerative diseases	Dr. Nihar Ranjan Jana, National Brain Research Centre, Gurgaon (Haryana)
11	315	IKMMT -Identification of Key genetic/epigenetic Marker(s) in cervical carcinogenesis and development of corresponding Molecular Therapeutics for precision medicine of cervical cancer	Dr. Bhudev C.Das , Institute of Molecular Medicine & Stem Cell Research, Amity University, Noida
12	405	BICBRAIN -Brazil-India-China collaborative study on brain connectivity and neuromodulation techniques	Dr. B.N. Gangadhar ,National Institute of Mental Health and Neurosciences, Bangalore
13	164	EpiMacroTB - Epigenetics of macrophages during Mycobacterium tuberculosis infection	Dr. Sanjeev Khosla, Laboratory of Mammalian Genetics, CDFD, Hyderabad

14	279	HPCSLED - Development of novel cooling systems for high power LEDs for enhanced reliability and lifetime	Dr. Sameer Khandekar , IIT Kanpur
15	485	Platinum nano - Platinum as an essential element in an integrated process for efficient energy conversion	Dr. Ankur Bordoloi , CSIR-Indian Institute of Petroleum, Dehradun
16	451	Superflares -Superflares on stars and the Sun	Dipankar Banerjee, Indian Institute of Astrophysics, Bangalore
17	500	MuMeSTU - Multi-Wavelength and Multi-Messenger Studies of the Transient Universe	Devendra Kumar Sahu, Indian Institute of Astrophysics, Bangalore
18	388	ProFChEAP -Probing fundamental characteristics of extreme astrophysical phenomena	Dr. Shashi Bhushan Pandey, ARIES Nainital
19	464	POINTCLOUD - Research and development of algorithms and software for the processing, storage and visualization of laser scanning and photography data	Dr. R.D. Garg ,Geomatics Engineering, Civil Engineering Department IIT, Roorkee,
20	266	HMAero - Hybrid Manufacturing of Aerospace Parts: Software Modeling, Simulation, Verification and Development	Dr. K.P. Karunakaran, Rapid Manufacturing Laboratory, Department of Mechanical Engineering IIT Bombay
21	462	Col-GaSS - Collaboration on Glaciers and Snow/Firn Characteristics Variability Studies in Polar and Subpolar Regions	Dr. Gulab Singh, Centre of Studies in Resources Engineering IIT Bombay
22	444	Coast-CARE - Coastal Communities Adaptive and Resilient at the Edge	Dr. Sameer M. Deshkar, Department of Architecture and Planning, Visvesvaraya National Institute of Technology, Nagpur

Subject to fulfilment of National Requirements as given in India's National Guidelines for Coordinated Call for BRICS Multilateral Research and Development projects – Pilot Call 2016 and clearance of project from security/sensitivity angle.