

**LIST OF PROJECTS/EVENTS SANCTIONED UNDER
MEGA FACILITIES FOR BASIC RESEARCH PROGRAMME**

FY 2010-11 (3)

Sr. No.	Date of sanction	Project Duration	DST Reference number and Project title	Principal Investigator details
1.	22.09.2010	Till 31.12.2016	SR/MF/PS-01/2010 Setting up an Indo-Italian Beamline at Elettra Synchrotron Radiation Source Trieste, Italy	Prof. D. D. Sarma Solid State and Structural Chemistry Unit Indian Institute of Science Bangalore – 560 012 (Karnataka)
2.	02.02.2011	Till 31.12.2017	SR/MF/PS-02/2010 India's participation in the construction of the Facility for Antiproton and Ion Research (FAIR) at Darmstadt, Germany.	<u>Nodal Implementing Institution</u> Bose Institute P-1/12, CIT Scheme, VII-M Kolkata - 700 054 (West Bengal)
3.	28.03.2011	Till 30.09.2015	IR/S2/PF-03/2010 Augmentation of the SQUID based MEG system at IGCAR: Development of a whole head MEG system and conducting clinical trials.	Dr. M.P. Janawadkar Materials Science Group Indira Gandhi Centre for Atomic Research Kalpakkam – 603 102 (Tamil Nadu)

FY 2011-12 (2)

Sr. No.	Date of sanction	Project Duration	DST Reference number and Project title	Principal Investigator details
1.	29.02.2012	Till 31.03.2017	SR/MF/PS-03/2010 Collaboration by Indian Physicists on Neutrino Projects at Fermilab (USA)	Under this project, financial support was given to 8 institutions mentioned below:
	-do-	-do-	SR/MF/PS-03/2010-BHU Collaboration by Indian Physicists on Neutrino Projects" at Fermilab (USA)	Dr. Venkatesh Singh Department of Physics Banaras Hindu University Varanasi-221005 (Uttar Pradesh)
	-do-	-do-	SR/MF/PS-03/2010-CUSAT Collaboration by Indian Physicists on Neutrino Projects" at Fermilab (USA)	Dr. Ramesh Babu Thayyullathil Department of Physics Cochin University of Science and Technology, Cochin – 682 022 (Kerala)

-do-	-do-	SR/MF/PS-03/2010-DU Collaboration by Indian Physicists on Neutrino Projects” at Fermilab (USA)	Prof. Brajesh Chandra Choudhary Department of Physics and Astrophysics University of Delhi Delhi-110007 (Delhi)
-do-	-do-	SR/MF/PS-03/2010-HU Collaboration by Indian Physicists on Neutrino Projects” at Fermilab (USA)	Dr. Bindu Anubha Bambah School of Physics University of Hyderabad Hyderabad – 500 046 (Telangana)
-do-	-do-	SR/MF/PS-03/2010-IITG Collaboration by Indian Physicists on Neutrino Projects” at Fermilab (USA)	Dr. Bipul Bhuyan Department of Physics Indian Institute of Technology- Guwahati, Guwahati – 781 039 (Assam)
-do-	-do-	SR/MF/PS-03/2010-IITH Collaboration by Indian Physicists on Neutrino Projects” at Fermilab (USA)	Dr. Anjan Kumar Giri Department of Physics, Indian Institute of Technology- Hyderabad Hyderabad – 502 205 (Telangana)
-do-	-do-	SR/MF/PS-03/2010-JU Collaboration by Indian Physicists on Neutrino Projects” at Fermilab (USA)	Dr. Baba V.K.S. Potukuchi Department of Physics & Electronics University of Jammu, Jammu – 180 006 (Jammu & Kashmir)
-do-	-do-	SR/MF/PS-03/2010-PU Collaboration by Indian Physicists on Neutrino Projects” at Fermilab (USA)	Dr. Vipin Bhatnagar Department of Physics Panjab University, Chandigarh – 160 014

1.	12.03.2012	Till 31.12.2018	SR/MF/PS-01/2011 Indo-FAIR Coordination Centre (IFCC) activities for India-FAIR project.	<u>Nodal Implementing Institution</u> Bose Institute P-1/12,CIT Scheme, VII-M Kolkata - 700 054 (West Bengal)
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FY 2012-13 (1)

Sr. No.	Date of sanction	Duration	DST Reference number and Project title	Organizing institution details
1.	22.10.2012	Till 21.05.2018	SR/MF/Z-06/2012 Financial assistance for organizing 3 Schools and 2 Workshops on Accelerator Science and Technology in India and participation of 4 Indian Scientists in Accelerator Committee (ACFA/ICFA) meetings abroad /organization of ACFA/ICFA meetings in India.	Inter-University Accelerator Centre (IUAC) Post Box No. 10502 Aruna Asaf Ali Marg New Delhi - 110 067

FY 2013-14**R&D Projects = 1 (with 13 Research Groups)**

Sr. No.	Date of sanction	Project Duration	DST Reference number and Project title	Principal Investigator details
1.	26.09.2013	5 years	SR/MF/PS-02/2013 R&D Efforts by University Groups for INO project	Under this project, financial support was given to 13 institutions mentioned below:
	-do-	-do-	SR/MF/PS-02/2013-AMU R&D Efforts by University Groups for INO project	Prof. Rashid Hasan Department of Physics Aligarh Muslim University Aligarh -202 002 (Uttar Pradesh)
	-do-	-do-	SR/MF/PS-02/2013- PU R&D Efforts by University Groups for INO project	Prof. J.B. Singh Department of Physics Panjab University Chandigarh – 160014 (U.T.)
	-do-	-do-	SR/MF/PS-02/2013-IITM R&D Efforts by University Groups for INO project	Prof. P.K. Behera Department of Physics Indian Institute of Technology-Madras Chennai-600036 (Tamil Nadu)
	-do-	-do-	SR/MF/PS-02/2013-DUB	Prof. Brajesh Chandra Choudhary Department of Physics and Astrophysics

			R&D Efforts by University Groups for INO project	University of Delhi Delhi-110007 (Delhi)
	-do-	-do-	SR/MF/PS-02/2013-DUN R&D Efforts by University Groups for INO project	Dr. Md. Naimuddin Department of Physics and Astrophysics University of Delhi Delhi-110007 (Delhi)
	-do-	-do-	SR/MF/PS-02/2013-BHU R&D Efforts by University Groups for INO project	Dr. Venkatesh Singh Department of Physics Banaras Hindu University Varanasi-221005 (Uttar Pradesh)
	-do-	-do-	SR/MF/PS-02/2013-UC R&D Efforts by University Groups for INO project	Dr. G. Gangopadhyay Department of Physics University of Calcutta 35, Ballygunge Circular Road Kolkata-700019 (West Bengal)
	13.11.2013	5 years	SR/MF/PS-02/2013-UUB R&D Efforts by University Groups for INO project	Prof. (Mrs.) Swapna Mahapatra Department of Physics Utkal University Bhubaneswar-751004 (Odisha)
	-do-	-do-	SR/MF/PS-02/2013-Kashmir R&D Efforts by University Groups for INO project	Dr. Waseem Bari Department of Physics University of Kashmir Srinagar-190006 (J & K)
	-do-	-do-	SR/MF/PS-02/2013-Lucknow R&D Efforts by University Groups for INO project	Dr. (Mrs.) Jyotsna Singh Department of Physics University of Lucknow Lucknow-226007 (Uttar Pradesh)
	-do-	-do-	SR/MF/PS-02/2013-IITB R&D Efforts by University Groups for INO project	Dr. S. Umashankar Department of Physics Indian Institute of Technology-Bombay Powai Mumbai-400076 (Maharashtra)
	-do-	-do-	SR/MF/PS-02/2013-Mysore R&D Efforts by University Groups for INO project	Dr. H.B. Ravikumar Department of Physics University of Mysore Manasagangotri Mysore-570006 (Karnataka)
	-do-	-do-	SR/MF/PS-02/2013-Calicut R&D Efforts by University Groups for INO project	Dr. A. M. Vinodkumar Department of Physics University of Calicut Calicut-673635 (Kerala)

Events = 1

Sr. No.	Date of sanction	Duration	DST Reference number and Project title	Organizing institution details
1.	22.08.2013	1 day (08.11.2013)	SR/MF/Z-04/2013 Science Outreach Programme with focus on India-based Neutrino Observatory (INO)	Tata Institute of Fundamental Research (TIFR) Homi Bhabha Road Mumbai – 400 005 (Maharashtra)

FY 2014-15

Sr. No.	Date of sanction	Project Duration	DST Reference number and Project title	Principal Investigator details
1.	15.09.2014	Till 31.12.2019	SR/MF/PS-01/2014 A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Under this project, financial support was given to 8 research groups mentioned below.
	-do-	-do-	SR/MF/PS-01/2014-AMU A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. Shakeel Ahmed Department of Physics Aligarh Muslim University Aligarh-202 002 (Uttar Pradesh)
	-do-	-do-	SR/MF/PS-01/2014-PU A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. M.M. Aggarwal Department of Physics Panjab University Chandigarh-160 014 (U.T.)
	-do-	-do-	SR/MF/PS-01/2014- GU A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. Buddhadeb Bhattacharjee Department of Physics Gauhati University Guwahati-781 014 (Assam)
	-do-	-do-	SR/MF/PS-01/2014- IITI A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. Raghunath Sahoo Department of Physics Indian Institute of Technology-Indore Indore-453 441 (Madhya Pradesh)
	-do-	-do-	SR/MF/PS-01/2014- RU A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. (Mrs.) Rashmi Raniwala Department of Physics University of Rajasthan, JLN Marg Jaipur-302 004 (Rajasthan)
	-do-	-do-	SR/MF/PS-01/2014- JU	Dr. (Ms.) Anju Bhasin Department of Physics

			A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	University of Jammu Jammu-180 006 (J&K)
	-do-	-do-	SR/MF/PS-01/2014-BI A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. Sibaji Raha Department of Physics Bose Institute, 93/1, A.P.C.Road Kolkata-700 009 (West Bengal)
	-do-	-do-	SR/MF/PS-01/2014- IITB A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. Raghava Varma Department of Physics Indian Institute of Technology-Bombay Powai Mumbai-400 076 (Maharashtra)

2.	17.09.2014	Till 31.03.2019	SR/MF/PS-02/2014 Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Under this project, financial support was given to 5 research groups mentioned below.
	-do-	-do-	SR/MF/PS-02/2014- DUA Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Kirti Ranjan Department of Physics University of Delhi Delhi-110 007 (Delhi)
	-do-	-do-	SR/MF/PS-02/2014- DUB Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Brajesh Chandra Choudhary Department of Physics University of Delhi Delhi-110 007 (Delhi)
	-do-	-do-	SR/MF/PS-02/2014- IITB Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Pardeep Sarin Department of Physics Indian Institute of Technology-Bombay Powai Mumbai-400 076 (Maharashtra)
	-do-	-do-	SR/MF/PS-02/2014-PU Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Prof. J.B. Singh Department of Physics Panjab University Chandigarh-160 014 (U.T.)
	-do-	-do-	SR/MF/PS-02/2014- VB Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Manas Maity Department of Physics Visva-Bharati Shantiniketan-751 235 (West Bengal)

3.	26.09.2014	Till 31.03.2019	SR/MF/PS-03/2014 Updating and Operation of Regional WLCG Grid System	Under this project, financial support was given to 7 research groups mentioned below.
	-do-	-do-	SR/MF/PS-03/2014- DU Updating and Operation of Regional WLCG Grid System	Dr. Kirti Ranjan Department of Physics University of Delhi Delhi-110 007 (Delhi)
	-do-	-do-	SR/MF/PS-03/2014- PU Updating and Operation of Regional WLCG Grid System	Prof. M.M. Aggarwal (ALICE) & Prof. (Ms.) Suman Bala Beri (CMS) Department of Physics Panjab University Chandigarh-160 014 (U.T.)
	-do-	-do-	SR/MF/PS-03/2014- AMU Updating and Operation of Regional WLCG Grid System	Dr. M. Irfan Department of Physics Aligarh Muslim University Aligarh-202 002 (Uttar Pradesh)
	-do-	-do-	SR/MF/PS-03/2014- RU Updating and Operation of Regional WLCG Grid System	Prof. Sudhir Raniwala Department of Physics University of Rajasthan J.N.L. Marg Jaipur-202 004 (Rajasthan)
	-do-	-do-	SR/MF/PS-03/2014-JU Updating and Operation of Regional WLCG Grid System	Dr. (Ms.) Anju Bhasin Department of Physics & Electronics University of Jammu Jammu-180 006 (J&K)
	-do-	-do-	SR/MF/PS-03/2014-IITB Updating and Operation of Regional WLCG Grid System	Prof. Raghava Varma Department of Physics Indian Institute of Technology-Bombay Powai Mumbai-400 076 (Maharashtra)
	-do-	-do-	SR/MF/PS-03/2014-VB Updating and Operation of Regional WLCG Grid System	Dr. Manas Maity Department of Physics Visva-Bharati Shantiniketan-751 235 (West Bengal)
4.	04.02.2015	Till 2022-23	SR/MF/PS-04/2014 India's Participation in the Thirty Metre Telescope (TMT) Project at Mauna Kea, Hawaii, USA	<u>Nodal Implementing Institution</u> Indian Institute of Astrophysics II Block Koramangala Bengaluru - 560 034 (Karnataka)

Nil

FY 2016-17

1.	12.09.2016	Till 31.03.2019	SR/MF/PS-02/2014 Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Under this project, financial support was given to 5 new research groups mentioned below.
	-do-	-do-	SR/MF/PS-02/2014- IITM Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Prafulla Kumar Behera Department of Physics Indian Institute of Technology-Madras Chennai - 600 036 (Tamil Nadu)
	-do-	-do-	SR/MF/PS-02/2014- UIET Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Sunil Bansal Department of Applied Sciences University Institute of Engineering and Technology (UIET) Panjab University Sector-25, Chandigarh – 160 014
	-do-	-do-	SR/MF/PS-02/2014- IISERP Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Seema Sharma Indian Institute of Science Education and Research, Pune Dr. Homi Bhabha Road Pune- 411 008 (Maharashtra)
	-do-	-do-	SR/MF/PS-02/2014-IITBb Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Seema Bahinipati School of Basic Sciences Indian Institute of Technology- Bhubaneswar (IITBb) Toshali Bhawan, Satya Nagar Bhubaneswar – 751 007 (Odisha)
	-do-	-do-	SR/MF/PS-02/2014-SU Compact Muon Solenoid (CMS) Upgrade, Operation and Utilization	Dr. Suneel Dutt Department of Physics Shoolini University Post Box No. 9, Head Post Office Solun – 173 212 (Himachal Pradesh)

2.	23.03.2017	5 years	SR/MF/PS-04/2016 Utilization of Indo-Italian Beamlines at Elettra- Sincrotrone, Trieste, Italy	<u>Project Coordinator</u> Prof. D. D. Sarma Solid State and Structural Chemistry Unit Indian Institute of Science Bengaluru – 560 012 (Karnataka)
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FY 2017-18 (till 31.12.2017)

Sr. No.	Date of sanction	Project Duration	DST Reference number and Project title	Principal Investigator details
1.	27.12.2017	5 years	SR/MF/PS-05/2017/G Utilization of Ion Beam Facility at the Kurukshetra University, Kurukshetra	Dr. Sanjeev Aggarwal Department of Physics Kurukshetra University Kurukshetra – 136 119 (Haryana)
2.	23.03.2018	2 years	SR/MF/PS-04/2017/G Utilization of High Fluence Ion Beam Facility at Allahabad University”	Dr. Avinash C. Pandey Department of Physics University of Allahabad Allahabad-211 002 (Uttar Pradesh)