

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

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 R&D Efforts by University Groups for INO project	Prof. Brajesh Chandra Choudhary Department of Physics and Astrophysics 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. Venktesh 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 A Large Ion Collider Experiment (ALICE), Upgrade, Operation and Utilization.	Dr. (Ms.) Anju Bhasin Department of Physics 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)

FY 2015-16

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 Solan – 173 212 (Himachal Pradesh)
2.	23.03.2017	5 years	SR/MF/PS-04/2016 Utilization of Indo-Italian Beamlines at Elettra- Sinchrotrone, Trieste, Italy	<u>Project Coordinator</u> Prof. D. D. Sarma Solid State and Structural Chemistry Unit Indian Institute of Science Bengaluru – 560 012 (Karnataka)

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)