

**Department of Science & Technology**  
**International Division**

An India-South Africa Joint call for proposals under the collaboration between the Department of Science & Technology, Govt. of India and National Research Foundation, Republic of South Africa was announced on June 02, 2015 in the area of Astronomy. In total, 12 joint proposals were received against the Call for which the due date was July 31, 2015. Based on scientific merit, national priorities of both countries and the scientific strengths of the project coordinators, the Department of Science & Technology, Govt. of India and the National Research Foundation, Republic of South Africa have jointly decided to support the following **8** proposals. Project coordinators are being informed separately to complete administrative formalities for release of the DST grant.

<b>S. No</b>	<b>Title</b>	<b>Indian Coordinator</b>	<b>South African Coordinator</b>
1.	<b>Exploring Design Options for New Optical Telescopes in South Africa and India</b>	Dr. Padmakar Singh Parihar, Indian Institute of Astrophysics, Bangalore	Dr. David A.H. Buckley, SALT Scientist, SAAO,
2.	<b>SKA1 Telescope Manager Test Environment and Simulation Framework Prototype</b>	Dr. Yashwant Gupta, National Centre for Radio Astrophysics- TIFR, Pune	Dr. Neilen Marais, Control and Monitoring, SKA,
3.	<b>Evolution of cold gas in Gas in Galaxies : large surveys using radio and optical Telescopes</b>	Prof. Neeraj Gupta, Inter University Centre for Astronomy and Astrophysics (IUCAA), Pune	Prof. Jonathan Sievers, University of KwaXulu-Natal, Durban
4.	<b>Developing Machine Learning Tools for Big Data MeerKAT, MeerLIGHT, GMRT, SALT and the SKA#</b>	Dr. Ninan Sajeeth Philip, St. Thomas College (Mahatma Gandhi University), Kozhencherri	Prof. Bruce Bassett , SAAO/UCT/AIMS, Mathematics, Observatory, Cape Town
5.	<b>Joint Exploration of the Deep Radio Sky with MeerKAT and the GMRT : The Pathway to the SKA</b>	Dr. Dharam Vir Lal, National Centre for Radio Astrophysics, NCRA-TIFR, Pune	Prof. Russ Taylor, University of Cape Town and University of the Western Cape,
6.	<b>Galaxy Evolution: simulation, observations and data analysis</b>	Prof. Kanak Saha, Inter University Centre for Astronomy and Astrophysics, Pune	Dr. Sudhanshu Barway, South African Astronomical Observatory (SAAO), Cape Town
7.	<b>Astronomical compact objects to probe gravitational theories</b>	Prof. Sushant G.Ghosh, Jamia Millia Islamia, New Delhi,	Prof. Sunil Maharaj, Professor, University of KwaZulu-Natal, Durban

	<b>(Enhanced Scientific Exchange)</b>		
8.	<b>Extragalactic Astronomy and Cosmology using GMRT, MeerKAT and the SKA :Workshop</b>	Dr. Tirthankar Roy Choudhury, National Centre for Radio Astrophysics, NCRA-TIFR, Pune	Dr. Mario Santos, University of the Western Cape, South Africa