

Cycle 38 Approved Proposals

Proposal No	Title Of Proposal	Authors	Affiliation	Time Allotted	Person present for observations	Help required	Remarks
38_002	Investigation of sub-pulse drifting properties for five pulsars	Parul Janagal Bhaswati Bhattacharyya Manoneeta Chakraborty	IIT-Indore NCRA IIT-Indore	15	Bhaswati Bhattacharyya	none	Integration time less than 8 seconds required for extended periods. 2000.0GB Disk space required
38_004	Deep uGMRT Observations of Pre-Merging Galaxy Clusters and their Filaments	Duy N. Hoang Marcus Bruggen Annalisa Bonafede Huub Rottgering Gianfranco Brunetti Reinout Johannes vanWeeren Shimwell H Intema Francesco de Gasperin Andrea Merloni Thomas H Reiprich Miriam Elizabeth Elizabeth Ramos Vittorio Ghirardini Esra Bulbul	Hamburg Hamburg INAF-IRA Leiden INAF-IRA LeidenObs Leiden Curtin Hamburg MPE AIfA MPIA MPE MPE	9		none	
38_006	Magnetizing the universe with dwarf galaxies: a new low-frequency radio continuum perspective	Sarrvesh SeethapuramSridhar Cathy Horellou Krzysztof Chyży Julia Piotrowska Volker Heesen Ralf Juergen Dettmar George Heald	Astron CUT Sweden Jagiellonian Jagiellonian Southampton AIRUB CASS	16		consultation	
38_007	An investigation into the nulling pulsars	Sushan Konar Bhaswati Bhattacharyya Jayanta Roy	NCRA NCRA NCRA	30	Sushan Konar Bhaswati Bhattacharyya Jayanta Roy	none	Phased array required, 5000.0GB Disk space required
38_008	Auroral emission from exoplanet beta Pictoris b	Yuka Fujii Hajime Kita Tomoki Kimura Yuka Terada Keitaro Takahashi	TiTech Tohoku Tohoku Tokyo Kumamoto	12	Yuka Terada	consultation	

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38_010	uGMRT survey of Green pea galaxies: Understanding the evolution of radio synchrotron emission and magnetic fields	Biny Sebastian Omkar Suresh Bait Dominik J. Bomans	NCRA NCRA AIRUB	88		none	
38_014	Indian Pulsar Timing Array (InPTA) experiment using the upgraded wideband GMRT and the ORT : 2020 Update	BHAL CHANDRA JOSHI Yashwant Gupta Manjari Bagchi Gopakumar Achamveedu Shantanu Desai Abhimanyu Susobhanan Dhruv Pathak LANKESWAR DEY Jaikhomba Singha Arpita Choudhary Neelam Dhanda Batra Prabu Thiagaraj Krishnakumar MA Yogesh Maan Mayuresh Surnis Suryarao Bethapudi ARUN KUMAR NAIDU SAICHAITANYA SUSARLA Avishek kumar Basu Nobleson Kunjappy Raghav Prafulla Girgaonkar Kishalay De Periasamy K. Manoharan	NCRA NCRA IMSc TIFR IITH TIFR IMSc TIFR IITR IMSc BITS-Hyd RRI UBI Astron West Virginia IITH NCRA IISER TVM NCRA BITS-Hyd IITH Caltech NCRA	96	BHAL CHANDRA JOSHI Yashwant Gupta Manjari Bagchi Shantanu Desai Abhimanyu Susobhanan Jaikhomba Singha Arpita Choudhary Prabu Thiagaraj Nobleson Kunjappy Raghav Prafulla Girgaonkar	none	Correlator - 2 Sideband, Phased array required, 2000.0GB Disk space required
38_015	Monitoring High Glitch rate Pulsars using uGMRT	Jaikhomba Singha BHAL CHANDRA JOSHI Paramasivan Arumugam Avishek kumar Basu Debades Bandyopadhyay Rana Nandi Prasanta Char Dipankar Bhattacharya	IITR NCRA IITR NCRA SINP TIFR IUCAA IUCAA	50		none	Correlator - 2 Sideband, Phased array required, Integration time less than 8 seconds required for extended periods.

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38_017	Understanding the connection between fast radio bursts and superluminous supernovae.	Raya Dastidar Resmi Lekshmi Kuntal Misra Yogesh Maan Jason WilliamThomas Hessels Ankur Ghosh	ARIES IIST ARIES Astron Astron ARIES	12	Raya Dastidar Ankur Ghosh	none	Phased array required, Integration time less than 8 seconds required for extended periods. 600.0GB Disk space required
38_020	Investigation of eclipse properties of 10 black-widow millisecond pulsars	Devoiyoti Kansabanik Bhaswati Bhattacharyya	CITA/NCRA NCRA	54		none	Phased array required, 22200.0GB Disk space required
38_022	Target of Opportunity proposal for post-glitch high cadence monitoring of glitches in high glitch rate pulsars using uGMRT	Jaikhomba Singha BHAL CHANDRA JOSHI Paramasivan Arumugam Avishek kumar Basu Debades Bandyopadhyay Rana Nandi Prasanta Char Dipankar Bhattacharya	IITR NCRA IITR NCRA SINP TIFR IUCAA IUCAA	10		none	Correlator - 2 Sideband, Phased array required, Integration time less than 8 seconds required for extended periods.
38_023	The interplay between AGN remnant plasma and the intracluster medium	Marisa Brienza Kamlesh Rajpurohit Annalisa Bonafede Matteo Murgia Franco Vazza Francesca Loi	INAF-IRA DIFA Unibo DIFA Unibo INAF-OAC DIFA Unibo INAF-OAC	41		none	
38_025	A systematic spectral study of diffuse radio emission in galaxy clusters with the uGMRT and LOFAR	Virginia Cuciti Rossella Cassano Ruta Kale Andrea Botteon Francesco de Gasperin Ignești Marcus Bruggen Gianfranco Brunetti Reinout Johannes vanWeeren Shimwell	Hamburg INAF-IRA NCRA LeidenObs Hamburg DIFA Unibo Hamburg INAF-IRA LeidenObs Leiden	125		consultation	Integration time less than 8 seconds required for extended periods. 12500.0GB Disk space required

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38_026	Probing the Ionised Interstellar Medium with Pulsars	Yulan Liu Joris PW Verbiest Krishnakumar MA George Hobbs Abhimanyu Susobhanan BHAL CHANDRA JOSHI Shi Dai Ziwei Wu	Bielefeld UBI UBI ATNF TIFR NCRA CASS Bielefeld	61		consultation	5120.0GB Disk space required
38_028	How can a radio relic form in a low mass galaxy cluster merger?	Gerrit Schellenberger Jan M. Vrtilik Laurence Paul David Ewan O'Sullivan Dharam Vir Lal Stefano Etori Lorenzo Lovisari Somak Raychaudhury Giacintucci Simona Konstantinos Kolokythas	CFA CFA CFA CFA NCRA OABO-INAF CFA IUCAA NRL NW University	10		none	
38_030	Constraining the magnetic field at a very weak shock in the galaxy cluster PLCKG200.9-28.2	Ruta Kale Daniel Ryan Wik Qian Wang Giacintucci Simona Tiziana Venturi Daniele Dallacasa Rossella Cassano Gianfranco Brunetti	NCRA UofU Maryland NRL INAF-IRA Bologna INAF-IRA INAF-IRA	24	Ruta Kale	none	Integration time less than 8 seconds required for extended periods. 2000.0GB Disk space required
38_033	The Atomic Hydrogen Content of Galaxies at $z \approx 0.74-1.45$	Aditya Chowdhury Nissim Kanekar Jayaram Narayanan Chengalur	NCRA NCRA NCRA	230.02	Aditya Chowdhury Nissim Kanekar Jayaram Narayanan Chengalur	none	6300.0GB Disk space required

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38_035	Continued monitoring of the brightest radio afterglow detected by GMRT	Kuntal Misra Martin Blazek Michael Bremer ANKUR GHOSH Luca Izzo David Alexander Kann Resmi Lekshmi Michal Jerzy Michalowski Daniel Perley Ruben Sanchez Ramirez Steve Schulze Christina Thoene Antonio deUgartePostigo	ARIES CSIC IRAM ARIES CSIC IAA, Spain IIST Poznan JMU CSIC WIS IAA, Spain CSIC	6	ANKUR GHOSH	none	Correlator - 2 Sideband
38_036	In search of coherent radio emission from the hot magnetic star HD 142301 at uGMRT frequencies	Barnali Das Poonam Chandra	NCRA NCRA	36	Barnali Das	none	
38_037	Long-term timing follow-up for the third transitional redback millisecond pulsar J1227-4853	Jayanta Roy Paul Ray Bhaswati Bhattacharyya Ben Stappers Jayaram Narayanan Chengalur Sanjay S. Kudale Tyrel J. Johnson Matthew Kerr Patrick Weltevrede Paulo Cesar Freire	NCRA NRL NCRA Manchester NCRA NCRA GMU NRL Manchester MPIfR	34	Jayanta Roy Bhaswati Bhattacharyya Jayaram Narayanan Chengalur Sanjay S. Kudale	none	Phased array required

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38_038	GMRT High Resolution Southern Sky (GHRSS) survey for millisecond pulsars and transients : A SKA precursor survey	Bhaswati Bhattacharyya Jayanta Roy Ben Stappers Michael Keith Sally Cooper Mateusz Malenta Maura Ann McLaughlin Paul Ray Scott M. Ransom Jayaram Narayanan Chengalur Andrew Lyne Sanjay S. Kudale Arpit Kumar Behera Ujjwal Panda	NCRA NCRA Manchester Manchester Manchester Manchester West Virginia NRL NRAO NCRA Manchester NCRA NCRA BITS Pilani	80	Bhaswati Bhattacharyya Jayanta Roy Jayaram Narayanan Chengalur Sanjay S. Kudale	none	Integration time less than 8 seconds required for extended periods. 10000.0GB Disk space required
38_039	Follow-up study of pulsars discovered in the GMRT High Resolution Southern Sky (GHRSS) survey	Bhaswati Bhattacharyya Jayanta Roy Ben Stappers Michael Keith Sally Cooper Mateusz Malenta Maura Ann McLaughlin Paul Ray Scott M. Ransom Jayaram Narayanan Chengalur Andrew Lyne Sanjay S. Kudale	NCRA NCRA Manchester Manchester Manchester Manchester West Virginia NRL NRAO NCRA Manchester NCRA	20	Bhaswati Bhattacharyya Jayanta Roy Jayaram Narayanan Chengalur Sanjay S. Kudale	none	Phased array required, Integration time less than 8 seconds required for extended periods. 500.0GB Disk space required
38_040	Radio SED Modeling of Compact AGN with Extreme Radio Variability	Kristina Nyland Dillon Dong Sumit Sarbadhicary Pallavi Patil Preshanth Jagannathan Mark Lacy Dipanjan Mukherjee Giacintucci Simona N. Kassim Vivienne Baldassare	NRL Caltech MSU UVa NRAO NRAO IUCAA NRL NRL Yale	28		consultation	3000.0GB Disk space required

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38_041	Scintillation Arcs and Dispersion Measure Changes: A Pilot Project	Jacob Eli Turner Megan L Jones BHAL CHANDRA JOSHI Maura Ann McLaughlin Dan Stinebring	West Virginia UWM NCRA West Virginia Oberlin	24	BHAL CHANDRA JOSHI	consultation	Phased array required
38_042	Isolated dwarf galaxies dominated by baryons	Huijie Hu Qi Guo Hongxin Zhang Chao-Wei Tsai Zhiyu Zhang Wang Zheng Zheng	NAOC NAOC USTC NAOC NJU KIAA-PKU NAOC	10	Huijie Hu	consultation	
38_045	Multi-frequency timing of millisecond pulsars discovered with the GMRT	Jayanta Roy Bhaswati Bhattacharyya Lina Levin Ben Stappers Paul Ray	NCRA NCRA Manchester Manchester NRL	35	Jayanta Roy Bhaswati Bhattacharyya	none	Phased array required
38_051	Probing the presence of re-energized particles in the radio tail of SDSS J2155+0864	Valentina Missaglia Marisa Brienza Ralph P Kraft Francesco Massaro Martin Hardcastle Annalisa Bonafede Alessandro Paggi Elisabetta Liuzzo	UniTO DIFA Unibo CFA UniTO Hertfordshire DIFA Unibo INAF-OACT INAF-IRA	21		none	
38_052	uGMRT low-frequency radio continuum observations of Monoceros R1 complex	Naval Kishor Bhadari Lokesh Kumar Dewangan Tapas Baug Devendra Kumar Ojha	PRL PRL TIFR TIFR	18	Naval Kishor Bhadari Lokesh Kumar Dewangan	none	500.0GB Disk space required

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38_054	The first direct test of particle re-acceleration models in distant galaxy clusters	Gabriella Di Gennaro Reinout Johannes vanWeeren Annalisa Bonafede Andrea Botteon Marcus Bruggen Gianfranco Brunetti Rossella Cassano Virginia Cuciti Francesco de Gasperin william richard forman Matthias Hoeft H Intema Christine Jones Huub Rottgering Shimwell	LeidenObs LeidenObs INAF-IRA LeidenObs Hamburg INAF-IRA INAF-IRA Hamburg Leiden CFA TLS Curtin CFA Leiden Leiden	60	Gabriella Di Gennaro	consultation	Integration time less than 8 seconds required for extended periods.
38_056	The low-frequency radio properties of quasars at $z \geq 6$	Nithyanandan Thyagarajan Nissim Kanekar Gianni Bernardi	NRAO NCRA IRA-INAF	76	Nissim Kanekar	consultation	Correlator - 2 Sideband, 1024.0GB Disk space required
38_057	Upgraded GMRT observations of bimodal cluster A2384	Viral Parekh Kshitij Thorat Ruta Kale	Rhodes UP NCRA	8		consultation	
38_058	uGMRT follow-up of a compact object merger in LIGO-Virgo O3	Tanmoy Laskar Kate D Alexander Edo Berger Ryan Chornock Deanne Coppejans Paul Cole Duffell Hendrik vanEerten Tarraneh Eftekhari Wen-fai Fong Aprajita Hajela Raffaella Margutti Carole Mundell Patricia Schady	University of Bath Northwestern CFA OhioU Northwestern CFA University of Bath CFA Northwestern Northwestern Northwestern University of Bath University of Bath	4.5		consultation	Correlator - 2 Sideband

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38_059	Constraining the progenitors and environments of Gamma-ray Bursts with uGMRT	Tanmoy Laskar Kate D Alexander Eliot Ayache Edo Berger Ryan Chornock Deanne Coppejans Hendrik vanEerten Wen-fai Fong Cristiano Guidorzi Raffaella Margutti Carole Mundell Patricia Schady	University of Bath CFA University of Bath CFA OhioU Northwestern University of Bath Northwestern UNIFE Northwestern University of Bath MPE	40		consultation	Correlator - 2 Sideband
38_061	Direct evidence of the old AGN tail-ICM interplay in the cluster merger Abell 514	Wonki Lee HyeongHan Kim Myungkook James Jee Ruta Kale	Yonsei Yonsei Yonsei NCRA	11		consultation	300.0GB Disk space required
38_062	A spectacular LOFAR-selected merging galaxy cluster	Andra Stroe Lorenzo Lovisari Scott W Randall william richard forman Christine Jones Shimwell Reinout Johannes vanWeeren HIROKI AKAMATSU Ralph Kraft Grant Tremblay	CFA CFA CFA CFA CFA Leiden LeidenObs SRON CFA CFA	21		none	
38_065	Search for ionized jets associated with extended green objects	ANINDYA SAHA Anandmayee Tej Manash Ranjan Samal Manish Chauhan C.H. IshwaraChandra	IIST IIST PRL IIST NCRA	12	ANINDYA SAHA Anandmayee Tej Manash Ranjan Samal Manish Chauhan C.H. IshwaraChandra	none	540.0GB Disk space required

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38_066	1.2 GHz observations of megaparsec-scale radio structure associated with hybrid blazar	Urszula Pajdosz-Śmierciak Marek Jamrozny Marian Soida Lukasz Filip Stawarz	Jagiellonian Jagiellonian Jagiellonian Jagiellonian	9	Marek Jamrozny	consultation	Correlator - 2 Sideband
38_069	Low-frequency radio properties of 11 radio-loud quasars at $z > 5$	Yali Shao	MPIfR	22		consultation	
38_070	Investigating particle acceleration associated with putative single Wolf-Rayet stars.	Anandmayee Tej ANINDYA SAHA Santiago delPalacio Paula Benaglia Michael DeBecker Prachi Prajapati C.H. IshwaraChandra	IIST IIST IAR IAR ULG PRL NCRA	18	Anandmayee Tej ANINDYA SAHA C.H. IshwaraChandra	none	450.0GB Disk space required
38_071	Understanding the Origin of the Unusual Molecular Bubble in the IRDC G18.88-0.09	Veena V.S. Peter Schilke Alvaro Sanchez-Monge	Ph1 UniCologne Ph1	7	Veena V.S.	none	
38_073	uGMRT observations of a fast rising optical transient - AT 2018COW	Nayana AJ Poonam Chandra Rupak Roy Varun Bhalerao	NCRA NCRA IUCAA IUCAA	10		none	
38_076	uGMRT monitoring of the nearby unusual GRB 190829A	Tanmoy Laskar Poonam Chandra Kuntal Misra	University of Bath NCRA ARIES	12	Poonam Chandra	none	
38_081	HI 21cm emission from the host galaxy of FRB 180916	Nissim Kanekar Jason X Prochaska Jean-Pierre Macquart	NCRA UC-Santa-Cruz Curtin	34		none	
38_082	$H\alpha$ imaging of blue ellipticals from the Subaru Hyper-Suprime-Cam Survey	Omkar Suresh Bait Preetish Kumar Mishra	NCRA NCRA	12		none	

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38_083	Electromagnetic counterparts of Gravitational Wave events: radio follow-up with uGMRT	Eleonora Troja Roberto Ricci Ruta Kale Jayanta Roy Luigi Piro Hendrik vanEerten Geoffrey Ryan Stephen Bradley Cenko Alexander Jonathan vanderHorst Takanori Sakamoto	Maryland IRA-INAF NCRA NCRA INAF IAPS Rome University of Bath Maryland GSFC GWU Tokyo	4.5		none	
38_084	Long-term uGMRT follow-up observations of the TDE flair AT2019azh	Rupak Roy Nayana AJ Poonam Chandra Dipankar Bhattacharya	IUCAA NCRA NCRA IUCAA	20	Rupak Roy	none	
38_085	A shallow survey of the Maveric Globular Clusters with uGMRT	Tasha Gautam Paulo Cesar Freire Robert Wharton Alessandro Ridolfi Yashwant Gupta	MPIfR MPIfR Cornell INAF-OAC NCRA	52		friend	Phased array required, 20000.0GB Disk space required
38_086	Continuing the multi-band low-frequency monitoring of the Magnetar XTE 1810-197	Yogesh Maan BHAL CHANDRA JOSHI Mayuresh Surnis Manjari Bagchi	Astron NCRA West Virginia IMSc	20		none	Phased array required, Integration time less than 8 seconds required for extended periods. 400.0GB Disk space required

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38_087	First systematic low-frequency radio campaign of Fast Blue Optical Transients	Deanne Coppejans Raffaella Margutti Tanmoy Laskar Giacomo Terreran Kate D Alexander Aprajita Hajela Michael Bietenholz Edo Berger Brian Metzger Ryan Chornock Danny Milisavljevic Peter Blanchard Cristiano Guidorzi baldeschi David Matthews Michael Stroh	Northwestern Northwestern NRAO Northwestern Northwestern Northwestern Ph1 CFA Columbia OhioU Purdue CFA UNIFE Northwestern Northwestern Northwestern	12		friend	
38_089	Localization and Timing of Pulsars Found Through Jerk Searches of Fermi LAT Sources	Mallory Roberts Shawaiz Tabassum Scott M. Ransom Bhaswati Bhattacharyya	NYU AD NYU AD NRAO NCRA	32	Bhaswati Bhattacharyya	none	Integration time less than 8 seconds required for extended periods. 6000.0GB Disk space required
38_092	Radio flux and spectral evolution from two likely TDEs revealed with mid-infrared echoes	Xinwen Shu YOGESH CHANDOLA Tinggui Wang Ning Jiang Liming Dou	AHNU IUCAA USTC USTC GZHU	18		consultation	
38_094	GMRT FOLLOW UP OBSERVATIONS OF SIX RADIO BRIGHT SUPERNOVAE: PSNJ14102342-4318437, ASASSN-16fp, SN2016gkg and SN2017eaw	Nayana AJ Poonam Chandra	NCRA NCRA	16		none	
38_095	Measuring the Density of the Intragroup Medium using Bent Double Lobed AGN	Melissa Elizabeth Morris Eric Wilcots	Wisconsin Wisconsin	32	Melissa Elizabeth Morris	consultation	
38_097	Interaction between the massive host galaxy of GRB 190829A and its companion	Maryam Arabsalmani Sambit Roychowdhury Emeric Le Floc'h	ICRAR ICRAR CEA-Saclay	36		none	

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38_098	Probing the Energetics and Environments of the Radio Counterparts of Gravitational Wave Events	Poonam Chandra Mooley Apurba Bera Surajit Mondal Dale A Frail Dipankar Bhattacharya Barnali Das Dougal Dobie Varun Bhalerao Mansi M Kasliwal Kishalay De Tara Murphy Gregg Hallinan Alessandra Corsi	NCRA IPAC NCRA NCRA NRAO IUCAA NCRA Sydney IUCAA IPAC Caltech Sydney IPAC TTU	4.5	Poonam Chandra Apurba Bera Surajit Mondal	none	
38_099	The radio bursts from the main-sequence pulsar CU Vir	Barnali Das Poonam Chandra	NCRA NCRA	16		none	
38_100	Search for radio emission from Type I superluminous supernovae	Surajit Mondal Apurba Bera Barnali Das Poonam Chandra Jayanta Roy	NCRA NCRA NCRA NCRA NCRA	15	Surajit Mondal Apurba Bera Barnali Das	none	Phased array required
38_101	Follow-up observations of three gamma ray bursts at uGMRT frequencies	Poonam Chandra Barun Maity Dipankar Bhattacharya Nayana AJ	NCRA NCRA IUCAA NCRA	23	Poonam Chandra	none	
38_102	Uncovering the intriguing nature of the double O-O binary system Plaskett's star	Poonam Chandra Ayan Biswas Barnali Das	NCRA NCRA NCRA	30	Poonam Chandra Ayan Biswas	none	
38_103	Understanding young supernovae interacting with their progenitor winds with the aid of low frequency observations	Poonam Chandra Nayana AJ Roger Chevalier Keiichi Maeda Claes Fransson Peter Brown Alak Ray	NCRA NCRA UVa Tokyo Stockholm TAMU TIFR	30	Poonam Chandra	none	

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38_104	Multi-messenger Astronomy of Compact Object Mergers with GMRT	Resmi Lekshmi Steve Schulze C.H. IshwaraChandra Kuntal Misra Paul O'Brien Nial Rahil Tanvir Sreelakshmi P Chakyar	IIST WIS NCRA ARIES Leicester Leicester IIST	4.5		none	
38_105	Detecting carbon recombination lines from M82	Surajit Mondal Apurba Bera Prasun Dutta	NCRA NCRA IIT (BHU) Varanasi	10	Surajit Mondal Apurba Bera	none	
38_108	A search for late-time 'kilonova' radio emission from short gamma ray bursts	Apurba Bera Surajit Mondal Poonam Chandra	NCRA NCRA NCRA	36	Apurba Bera Surajit Mondal	none	2000.0GB Disk space required
38_109	Probing evolution of radio emission from a super-luminous supernova	Apurba Bera Surajit Mondal Barnali Das Poonam Chandra Jayanta Roy	NCRA NCRA NCRA NCRA NCRA	13	Apurba Bera Surajit Mondal Barnali Das	none	Phased array required, 1000.0GB Disk space required