

Sr. No.	Technology Transferred	Year	Licensee	Location
Antenna				
1	3m Antenna	1989	M/s ITI	Bangalore
2	C * C/S Feed	1991	M/s GCEL	Baroda
3	Planar Antenna	1992	M/s GCEL	Baroda
4	Ext. C Band Cassegrain Feed	1992	M/s ECIL	Hyderabad
5	2.5 & 3m C Band Antenna	1991	M/s Sujal Plastic Works	Ahmedabad
6	4.5m GFRP Reflector Antenna	1986	M/s ITI	Bangalore
7	4.5m GFRP Reflector Antenna	1987	M/s Coromandel Prodorite Ltd	Chennai
8	Ext. C Band 1.8M and 2.4M Offset Fed Antennas	1997	M/s Sumeru Microwave Comm. Pvt Ltd	Ahmedabad
9	Feeds for C Band Shaped Cassegrain 7.5M and 11M Antenna	2000	M/s Comsat Systems Pvt Ltd	Hyderabad
10	Multilayer Printed Antenna	2012	M/s Astra Microwave Pvt. Ltd.	Hyderabad
11	Ku/DBS band feed system	2016	M/s ECIL	Hyderabad
12	Design of Ku band Cassegrain feed	2017	M/s ECIL	Hyderabad
13	Design of C band LP/CP Cassegrain feed	2017	M/s ECIL	Hyderabad
14	Design of L and S band Cassegrain feed	2017	M/s ECIL	Hyderabad
15	Design of Ku-band 6 port Monopulse feed system	2023	M/s COMSAT Systems through INSPACE/ NSIL	Hyderabad

E & C				
1	Digital Time Base Corrector	1977	M/s GCEL	Baroda
2	CCTV Equipment	1979	M/s GCEL	Baroda
3	S Band Direct Reception System	1979	M/s GCEL	Baroda
4	S Band DRS	1979	M/s Keltron	Thiruvananthapuram
5	S Band DRS	1980	M/s ECIL	Hyderabad
6	Ground Comm. Equipment (3Kw HPA, C Band Up & Down Converter)	1980	M/s ECIL	Hyderabad
7	400 and 800 MHz Comm. Subsystems	1980	M/s GCEL	Baroda
8	QPSK Modem	1982	M/s BEL	Bangalore
9	Data Conversion Storage & Transmission System	1982	M/s GCEL	Baroda
10	QPSK Modem	1983	M/s GCEL	Baroda
11	S Band DRS	1983	M/s Meltron	Mumbai
12	S Band DRS	1983	M/s UMS Radio Factory	Coimbatore
13	S Band DRS	1983	M/s Shyam Antenna	New Delhi
14	R N Terminal	1983	M/s Keltron	Thiruvananthapuram
15	TV Studio Equipment	1983	M/s Webel Dawn Ltd.	Kolkata
16	S Band DRS	1985	M/s MCE Products	New Delhi
17	Disaster Warning Receiver	1984	M/s ECIL	Hyderabad
18	S Band DRS	1985	M/s Television Factory	Solan
19	Low Cost SATCOM Terminal	1986	M/s GCEL	Baroda
20	C Band LNA	1985	M/s ITI	Bangalore
21	R N Modulator	1987	M/s ITI	Bangalore
22	NFMD Equipment	1987	M/s NITEL	Bhopal
23	CCD Camera	1988	M/s MCBS	Ahmedabad
24	DRS Mark II	1988	M/s MCBS	Ahmedabad
25	Antenna Controller	1990	M/s BEL	Bangalore

26	Frame Grabber	1990	M/s Maharshi Electronic Systems	Ahmedabad
27	DRS Mark II	1988	M/s UMS Radio Factory	Coimbatore
28	Disaster Warning Receiver	1989	M/s NITEL	Bhopal
29	ADPCM Transcoder	1991	M/s Tata Telecom	Mumbai
30	Oven Controlled Crystal Oscillator (OCXO)	1991	M/s Andhra Electronics	Kakinada
31	Satellite Based Rural Telegraph Network	1991	M/s ITI	Bangalore
32	Ext C Up converter & Down Converter	1991	M/s GCEL	Baroda
33	Ext C Up converter & Down Converter	1991	M/s RCL	Jaipur
34	Audio Video Combiner Separator (AVCS)	1991	M/s GCEL	Baroda
35	Frame Grabber	1991	M/s Systech Pvt Ltd	Pune
36	ADPCM Transcoder	1992	M/s HFCL	Solan
37	CCD Camera	1992	M/s Maharshi Electronic Systems	Ahmedabad
38	R N Modulator	1992	M/s Keltron	Thiruvananthapuram
39	600 MHz BPF	1992	M/s Keltron	Thiruvananthapuram
40	4.5 to 4.8 GHz Low Noise Amplifier	1993	M/s Equinox	Gandhinagar
41	OCXO	1993	M/s Kateel	Bangalore
42	CCD Camera Mk - II	1993	M/s Keltron	Thiruvananthapuram
43	Hand Held Data Terminal	1995	M/s Bharat Electronic Systems	Gandhinagar
44	MSS Reporting Terminal and Hub Subsystems	2000	M/s Avantel Ltd	Hyderabad
45	MSS Reporting Terminal and Hub Subsystems	2000	M/s BEL	Bangalore
46	Burst Demodulator	2001	M/s Avantel Ltd	Hyderabad
47	SDLC and Synchronous PC Add on Cards	2001	M/s Accord Electronics	Mumbai
48	DSDB Receiver	2002	M/s Accord Network (I) Pvt Ltd	Mumbai
49	Sparse Area Communication System	2007	M/s Midas Communications	Chennai
50	Satellite Based Interactive IP Network	2007	M/s Avantel Ltd	Hyderabad
51	Satellite Based Interactive IP Network	2007	M/s Astra Microwave Pvt Ltd	Hyderabad
52	Satellite Based Interactive IP Network	2007	M/s Infinium (I) Ltd	Hyderabad
53	ASIC Based Demodulator	2008	M/s Komoline Aerospace Ltd.	Ahmedabad
54	MSS Type D Terminal	2010	M/s Avantel Ltd	Hyderabad
55	MSS Type D Terminal	2010	M/s VXL Technologies	Faridabad
56	MSS Type D Terminal	2010	M/s Komoline Aerospace Ltd.	Ahmedabad
57	Distress Alert Transmitter	2010	M/s Avantel Ltd	Hyderabad
58	Distress Alert Transmitter	2010	M/s VXL Technologies	Faridabad
59	Distress Alert Transmitter	2010	M/s Komoline Aerospace Ltd.	Ahmedabad
60	2 Channel Monopulse Tracking Receiver	2011	M/s Apollo Microsystems Ltd.	Hyderabad
61	MSS Type C Reporting Terminal	2011	M/s AE Telelink Limited	New Delhi
62	15W C band SSPA	2014	M/s Astra Microwave Pvt. Ltd	Hyderabad
63	15W C band SSPA	2014	M/s Komoline Aerospace Ltd.	Ahmedabad
64	15W C band SSPA	2015	M/s Centum Electronics	Bangalore
65	2 Channel Digital Monopulse Tracking Receiver	2017	M/s BEL	Ghaziabad
66	NavIC Messaging Receiver	2018	M/s KELTRON	Thiruvananthapuram
67	NavIC Messaging Receiver	2018	M/s Alpha Design Technologies	Bengaluru
68	NavIC Messaging Receiver	2018	M/s Ananth Technologies	Hyderabad
69	NavIC Messaging Receiver	2018	M/s Rangsons Defence Solutions	Bengaluru
70	NavIC Messaging Receiver	2018	M/s Stesalit Systems	Kolkata
71	NavIC Messaging Receiver	2018	M/s VTL Electronics	Kolkata

72	Distress Alert Transmitter	2018	M/s KELTRON	Thiruvananthapuram
73	Distress Alert Transmitter	2018	M/s Alpha Design	Bengaluru
74	GSAT Terminals	2019	M/s BEL	Bengaluru
75	Distress Alert Transmitter	2019	M/s Azista Industries	Hyderabad
76	IRNSS RS receiver	2019	M/s BEL	Bengaluru
77	IRNSS RS receiver	2019	M/s ITI	Bengaluru
78	IRNSS RS receiver	2019	M/s ECIL	Hyderabad
79	NavIC Messaging Receiver	2019	M/s BEL	Bengaluru
80	Burst Demodulator	2020	M/s AMPL	Hyderabad
81	Burst Demodulator	2020	M/s Alpha Design	Bengaluru
82	Distress Alert Transmitter – Second Generation	2020	M/s VTL Electronics through NSIL	Kolkata
83	Distress Alert Transmitter – Second Generation	2020	M/s Azista Industries through NSIL	Ahmedabad
84	Distress Alert Transmitter – Second Generation	2020	M/s Komoline Aerospace through NSIL	Ahmedabad
85	SCPC Modem	2020	M/s AMPL through NSIL	Hyderabad
86	Distress Alert Transmitter – Second Generation	2020	M/s Stesalit Systems through NSIL	Kolkata
87	Distress Alert Transmitter – Second Generation	2020	M/s Alpha Design through NSIL	Bengaluru
88	2-way MSS Terminal	2023	M/s Azista Industries	Ahmedabad
89	X-band MiniSAR for Airborne System	2023	M/s Data Pattern	Chennai
90	X-band MiniSAR for Airborne System	2023	M/s AMPL	Hyderabad
91	Ground Penetrating Radar	2023	M/s Augsense Labs	Thiruvananthapuram
92	Distress Alert Transmitter – Second Generation	2023	M/s Kerala State EDCL	Thiruvananthapuram
93	2-way MSS Terminal	2023	M/s Kerala State EDCL	Thiruvananthapuram
94	2-way MSS Terminal	2023	M/s SCICOM Software	Pune
95	SCPC Modem	2024	Defel Technologies	Bengaluru
96	Digital ASIC for IDU of SATCOM Terminal	2024	M/s ICON Design Automation	Bengaluru
97	Small sized Low Power NavIC Receiver	2024	M/s SCL	Mohali
98	SCPC Modem	2024	M/s Tantrayut Telecommunication	Thane
99	2-way MSS Terminal	2024	M/s Cliicxnet India	Pune

Image Processing and GIS Software

1	ISROVISION	1987	M/s HCL Ltd.	New Delhi
2	ISROVISION	1987	M/s Speck Systems	Hyderabad
3	Middle End Image Processing Software	1989	M/s HCL Ltd.	New Delhi
4	Middle End Image Processing Software	1989	M/s Tata Electric Company	Mumbai
5	ISRO GIS	1990	M/s Pegasus	Bangalore
6	ISRO GIS	1990	M/s Era Electronics	Hyderabad
7	ISROVISION	1990	M/s Tata Electric Company	Mumbai
8	ISROVISION Mark II	1990	M/s Tata Electric Company	Mumbai
9	SACIMAGE Software	1992	M/s Speck Systems	Hyderabad
10	ISRO GIS Phase II	1992	M/s ERA Software Systems Pvt Ltd.	Hyderabad
11	ISRO GIS Phase II	1992	M/s Pegasus	Bangalore
12	SACIMAGE Software	1993	M/s Tata Electric Company	Mumbai
13	Indigenous GIS Software	2009	M/s Scanpoint Geomatics Ltd	Ahmedabad
14	QPAD	2011	M/s Scanpoint Geomatics Ltd	Ahmedabad
15	Algorithm for Mineral Limestone	2024	M/s Nascent Technologies	Ahmedabad

Mechanical & Others

1	Single Component Flushing System	1994	M/s Stylus Wares Pvt. Ltd.	Thiruvananthapuram
2	Single Component Flushing System	1994	M/s Reliable Wares Pvt. Ltd.	Trichur
3	Single Component Flushing System	1995	M/s Prayag Polymers Pvt Ltd	New Delhi
4	Rapid Thread Checking Machine	1998	M/s ER Automotives	Rohtak
5	Precision Tapping Mechanism	2014	M/s Surelia Wire-cut Pvt. Ltd.	Rajkot
6	Precision Tapping Mechanism	2014	M/s Technocom Dies and Precision Products	Rajkot
7	Fabrication of waveguide runs	2019	M/s Siddhi Engineers	Ahmedabad

Optics & Electro-Optics

1	Diazo Printer (DP)	1984	M/s Optomech Engineers	Hyderabad
2	High Magnification Enlarger	1988	Machine Products (India) Pvt. Ltd.	-
3	High Magnification Enlarger	1991	M/s Optomech Engineers	Hyderabad
4	Large Format Optical Enlarger (LFOE)	1984	M/s Optomech Engineers	Hyderabad
5	Ground Truth Radiometer (GTR)	1985	M/s Optomech Engineers	Hyderabad
6	Photosynthesis Irradiance Incubator	2014	M/s Tulsi Industries	Ahmedabad
7	Optical Imaging System	2017	M/s Optimised Solutions Pvt. Ltd.	Ahmedabad
8	Optical Imaging System	2017	M/s BEL	Bengaluru
9	Optical Imaging System	2022	M/s Paras Defence through NSIL	Mumbai
10	Optical Imaging System	2023	M/s Optimized Electrotech through INSPACE/ NSIL	Ahmedabad

Processes

1	Cr - Cu - Au Metallisation Process	2016	M/s Carborundum Universal Limited	Hosur
2	Gold Plating on Aluminium Alloy 6061 T6 and Kovar	2016	M/s Komoline Aerospace Ltd.	Ahmedabad
3	Gold Plating on Aluminium Alloy 6061 T6 and Kovar	2017	M/s Prism Circuitronics	Mumbai
4	Patterning on Cr-Cu-Au metallised Alumina Substrates by UV / LASER Lithography for MIC fabrication	2017	M/s HHV Pvt. Ltd.	Bengaluru
5	Patterning on Cr-Cu-Au metallised Alumina Substrates by UV / LASER Lithography for MIC fabrication	2017	M/s AMPL	Hyderabad
6	Silver Plating on Aluminium 6061 T6 & Invar	2019	M/s Prism Circuitronics	Mumbai
7	Black Anodizing on Aluminium 6061-T6 & Chromating	2020	M/s Surmit Enterprises	Ahmedabad
8	Black Anodizing on Aluminium 6061-T6 & Chromating	2020	M/s Procyon Technology	Mehsana
9	Black Anodizing on Aluminium 6061-T6 & Chromating	2020	M/s Pardhan Engineering Company	Ahmedabad
10	Process for making Fire Retardant Paint	2020	M/s Berger Paints	Kolkata
11	Gold Plating on Aluminium Alloy 6061 T6 and Kovar	2024	M/s Pushpak Industrial Services	Bengaluru
12	Silver Plating on Aluminium 6061 T6	2024	M/s Pushpak Industrial Services	Bengaluru
13	Black Anodizing on Aluminium 6061-T6	2024	M/s Pushpak Industrial Services	Bengaluru
14	Black Anodizing on Aluminium 6061-T6	2024	M/s Prism Circuitronics	Mumbai

Other

1	Licensing agreement of Solar Insolation data	2017	M/s Adani	Ahmedabad
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2	Book Publishing Licensing Agreement	2017	M/s Ashok Prakashan	Ahmedabad
3	Licensing agreement of Solar Insolation data	2018	M/s Terraform Global India Pvt. Ltd.	Chennai