

Government Projects

1. NV centre based single crystal diamond for next generation quantum technologies, Approved Fund: 86,00,000.00 (INR), P. Rai (PI), Agency: DST-SERB (Govt. of India), CRG-2021-000696, March 2022-February 2025.
2. Development of an explosive detection system using surface enhanced Raman scattering process, Approved Fund: 75,00,000.00 (INR), S. K. Dubey (PI), P. Rai (Co-PI), Agency: DST (Govt. of India), DST-TDT-DDP-14-2017, February 2018 -January 2021.
3. Carbon nanotube based electronic and optoelectronic devices, Approved Fund: 6,00,000.00 (INR), P. Rai (PI), Agency: UGC-BSR (Govt. of India), March 2015-February 2017.

Industrial Projects / Consultancies

1. Synthesis and industrial application of single crystal diamond, Approved Fund: 9,00,000.00 (INR), P. Rai (PI), Agency: Janvi Gems (Surat), September 2021-August 2022.
2. Synthesis and industrial application of single crystal diamond, Approved Fund: 8,00,000.00 (INR), P. Rai (PI), Agency: Janvi Gems (Surat), June 2020-May 2021.
3. Single crystal diamond for scientific and industrial applications, Approved Fund: 10,00,000.00 (INR), P. Rai (PI), Agency: Trushna Exim (Surat), September 2018-August 2019.
4. Design and development of microwave plasma chemical vapor deposition reactor, Approved Fund: 4,50,000.00 (INR), P. Rai (PI), Agency: Trushna Exim (Surat), September 2017-August 2018.
5. Growth and applications of CVD single crystal diamond, Approved Fund: 10,00,000.00 (INR), P. Rai (PI), Agency: Trushna Exim (Surat), September 2016-August 2017.
6. Growth and applications of CVD single crystal diamond, Approved Fund: 7,00,000.00 (INR), P. Rai (PI), Agency: Trushna Exim (Surat), September 2015-August 2016.