

S. No.	Organisation's name	Nature of Project	Year	Project Duration	Amount of grant (rupees)
1	SERB, India	Investigating Uncharted 2D Catalytic Materials for Lignocellulosic Biomass Transformation into High-Value Platform Chemicals and Fuel	2021-2024	3 Year	4600000.00
2	SERB, India	Identification of solid recovered fuel and optimization of process for the production of hydrogen through gasification (Mentor to Dr. Kunwar Pal for NPDF Fellowship)	2021-2023	2 Years	2236800.00
3	Office of the Principal Scientific Adviser of GOI, India	Solid Waste Management under Delhi Research Implementation and Innovation (DRIIV)	2020-2023	3 Years	11976000.00
4	DST India	Removing Contaminants from Drinking Water Using Rational Design of Transition Metal Catalysts	2020-2023	3 Years	5543494.00
5	IRD, IIT Delhi	E-waste Recycling: Development of Green and Sustainable Technology for Recovery of Metals from Electronic Waste (MFIRP: IITD & UCL Project)	2020-2021	1 Year	500000.00
6	SERB, DST India	Synthesis of Artificial Sweeteners and High Value Chemicals from Biorenewable Resources using Nobel Metal Aerogel Catalysts	2020-2023	3 Years	5549896.00
7	GAIL (India) Limited Noida	Catalyst Development for Methanol and DME Production via CO <sub>2</sub> Hydrogenation	2020-2022	2 Years	9028869.00
8	DST India	Thermochemical Conversions of Lignocellulosic Biomass/Wastes into Bioenergy and Biofuels with its Utilization in Internal Combustion Engine	2020-2023	3 Years	4249392.00
9	SERB, DST India	Novel Process for Production of Fuels and Building Block Chemicals from Bio-renewable Resources Using 2D Dichalcogenides (SERB NPDF ship to Ms. shireen Quereshi)	2020-2022	2 Years	2236800.00
10	IRD, IIT Delhi India	Development of Vibration and Sound Dampening Materials from Biochar Obtained from Waste Lignocellulosic Biomass	2019-2022	3 Years	1000000.00
11	SERB, DST India	Theoretical and experimental Studies on the transformation of macroalgal biomass for bio-oil production {Teachers Associate ship for Research Excellence {TARE} to Dr. Sanjay Kumar}	2019-2022	3 Years	1005000.00
12	DST India	Sustainable resource recovery through optimal treatment and use of petroleum industry wastewater in an algal-bacterial biorefinery model	2019-2021	2 Years	1536364.00
13	DST India	Development of hierarchical novel catalyst for one pot conversion of CO <sub>2</sub> rich synthesis gas to Dimethyl Ether and scale-up Studies	2019-2021	2 Years	16921470.00
14	IRD, IIT Delhi India	Cultivation and Value Addition of Aromatic Plants for Livelihood Security of Farmers of Uttarakhand Region	2019-2022	1 Years	500000.00
15	Life Sciences Research Board, DRDO India	Thermo-catalytic Cracking of Waste Plastic for the Production of Value Added Chemicals	2018-2021	3 Years	3388395.00
16	Semi-Conductor Laboratory, Department of Space Punjab India	Development of suitable processes for the synthesis and purification of Trimethyl phosphate (TMPO) and Triethyl borate (TEB)	2018-2021	3 Years	7755000.00
17	DST India	Methanol Production from Indian Coal: Pilot Plant Demonstration, Catalysis and Scale-up Technologies	2018-2021	3 Years	382468400.00
18	DST (International Bilateral Cooperation Division) Sri Lanka	Process Development and Assessment/Evaluation of Microalgae Based Biofuels and Value Added Products	2017-2019	2 Years 6 Months	3103301.00
19	DST India	Extraction of Precious Metals from E-waste using Chelation Technology	2017-2020	3 Years	42763200.00
20	Hindustan Petroleum Corporation Limited, R&D Centre India	Scale-up Studies and Process Development for Hydrogen Production by Catalytic Decomposition of Natural Gas	2017- till now	6 Years	10230000.00
21	SERB, DST India	SERB National Post-Doctoral Fellowship to Dr. Chandrakant Mukesh	2017-2019	2 Years	1920000.00
22	SERB, DST India	Microwave Assisted Valorization of Lignocellulosic Biomass into Value Added Chemicals and Fuels	2016-2019	3 Years	7637245.00

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23	Haldor Topsoe Denmark	Development of kinetic for the methanol to formaldehyde reaction including by-product formation	2016-2017	1 Years	1260000.0 0
24	SERB, DST India	SERB National Post Doctoral Fellowship to Dr. Dinesh Gupta	2016-2018	2 Years	1920000.0 0
25	DBT, GOI Brazil	From Waste Water to Bioenergy: A Microalgae Bio refinery Approach in Indian and Brazilian Scenario	2016-2020	4 Years 6 Months	10416000. 00
26	Office of the Dev. Commissioner for Handlooms India	Sustainable cost effective treatment and disposal of effluents from handloom industry	2016-2016	10 Months	1980000.0 0
27	DST India	Design and Development of Small Scale Grain Storage System for Food Safety	2016-2018	3 Years	3181616.0 0
28	SERB, DST India	A Study of Non-Urea SCR Pathways to Reduce NOx	2015-2018	3 Years	5403500.0 0
29	GAIL, India	Catalytic Conversion of Natural Gas to Liquid Fuels	2014-2016	2 Years	9276000.0 0
30	Hindustan Petroleum Corporation Limited, Corporate India	Fluidized Bed Reactor Studies for Hydrogen Production via Catalytic Decomposition of Methane	2014-2016	2 Years	2922000.0 0
31	CSIR, India	Treatment of Industrial Effluent using Biochar as Low-Cost Adsorbent	2013-2015	2 Years	1064000.0 0
32	IIT Delhi India	Technology Development for Synthetic Liquid Fuels Through Process Intensification	2011-2016	5 Years	9996000.0 0
33	Ministry of Earth Sciences India	Unified Model Component III: Surface Exchanges, Atmospheric Chemistry and Aerosols	2011-2015	4 Years	2584000.0 0
34	Ministry of New and Renewable Energy India	Testing and Evaluation of Biomass Cook stoves	2010-2017	6 Years	10338000. 00
35	DRDO, Ministry of Defence India	Catalytic Oxidative and Non Oxidative steam reforming of ethanol for Hydrogen generation	2010-2013	3 Years	4668000.0 0
36	Ministry Of Defence India	Design of Optimal Reactor Configuration for Hydrogen Generation	2010-2013	3 Years	3948000.0 0
37	Centre for Higher Technology India	Hydrogen Production from Natural Gas (Methane) by Catalytic Decomposition	2010-2013	3 Years 6 Months	5035200.0 0
38	DST (International Bilateral Cooperation Division) UK	Bio-energy: Technology and Business Solutions for the UK and India	2009-2016	6 Years	72270000. 00
39	Indian Council of Agriculture Research India	Development of Preservative Treatments and Studying the Physico Chemical and Insect Resistant Properties of Selected Bamboo Species	2012-2012	3 Years	1850000.0 0
40	DST, India	Development of Novel Catalysts for Conversion of Synthesis Gas to Liquid Fuels	2	4 Years	3306400.0 0
41	DRDO, Ministry of Defence India	Hydrogen Production by Catalytic Steam Reforming of Glycerol	2009-2010	1 Year 6 Months	996000.00
42	DRDO, Ministry of Defence India	Reactor Design and Configuration of Compact Reformer	2008-2010	2 Years	997200.00
43	DST, India	Investigations on Microbial Formulation of a Heat and Alkali Tolerant Fungal Strain for Decolourization of Dye Bearing Effluents	2008-2010	2 Years 6 Months	1214604.0 0
44	Ministry of New & Renewable Energy India	Solid Oxide Fuel Cells that Operate Directly on Hydrocarbon Feedstock	2008-2011	4 Years	4852000.0 0
45	DST, India	Development of Eco-Friendly Techniques for Treatment and Preservation of Bamboo Species	2007-2011	3 Years 6 Months	1015360.0 0

46	DST, India	Treatment of Contaminated Ground Water using Low Cost Bio sorbent for Rural Villages	2006-2008	2 Years	945000.00
47	Ministry of Chemicals & Fertilizers India	Disposal of Spent Catalyst and Recovery of Precious Metal	2005-2008	3 Years 9 Months	11000000.00
48	Indian Council of Agriculture Research India	Application of altered atmosphere in the storage pest management	2005-2005	3 Years	1856020.00
49	Ministry of Human Resource Development India	Catalytic Reforming of Methane with Carbon Dioxide	2004-2007	2 Years	1700000.00
50	Petroleum Conservation Res. Association India	Increasing Life of Bituminous Roads by Utilising Waste Plastics Through a Novel Dispersant Based Bitumen Emulsion Technology- A New Approach Towards Petroleum Conservation and environment Protection	2004-2006	2 Years	4300000.00
51	DST, India	Development of Low Cost Adsorbent (Hydrous Ferric Oxide) and household model for removal of Arsenic from Underground Water	2003-2006	3 Years	1201000.00
52	Ministry of Human Resource Development India	Modernization and Removal of Obsolescence of Chemical Process Development Laboratory	2003-2005	2 Years 6 Months	1500000.00
53	CSIR, India	Removal of Aluminium from Drinking Water and Industrial Effluents Using Low Cost Adsorbents	2003-2005	2 Years	294000.00
54	National Oil Seeds and Vegetable Oils Development India	Design & Development of Cold Oil Extractor for Extraction of Jojoba Oil	2001-2003	1 Year 9 Months	954000.00