

2019-20

SN	File No.	Title of Project	PI Name & Institution Address	Duration	Project cost (in Rs.)
1.	DST/TMD(EWO)/IC#5-2018/01	Development of 3D printed porous Covalent Organic Framework (COF) based hybrid foam like Nano structure for the visible light-driven water splitting and carbon dioxide reduction	Dr. Rahul Banerjee Dept. of Inorganic and Organic Materials Chemistry Indian Institute of Science Education and Research- Kolkata Weast Bengal- 741246	3 Years	70,11,792
2.	DST/TMD(EWO)/IC#5-2018/02	Development of novel catalyst for photocatalytic CO ₂ reduction using sunlight	Prof. Sebastian C. Peter Dept. of Chemistry Jawaharlal Nehru Cemter for Advanced Scientific Research Bengaluru- Karnataka- 560064 Breathe Applied Sciences Pvt. Ltd, Bangalore	3 Years	87,13,526
3.	DST/TMD(EWO)/IC#5-2018/03	Development of solar to chemical fuel generation device/process based on earth abundant materials	Dr. Yatendra Chaudhary Institute of Minerals and Materials Technology- Bhubaneswar Bhubaneswar- 751 013 (Odisha) Prof. Abhishek Dey Department of Inorganic Chemistry Indian Association for the Cultivation of Science Kolkata-700 032	3 Years	84,06,356
4.	DST/TMD(EWO)/IC#5-2018/04	Co ₂ conversion to artificial (synthetic) liquid fuels by solid oxide electrochemical approach: Photo voltaic to fuels	Dr. Chinmoy Ranjan Dept. of Inorganic and Physical Chemistry Indian Institute of Science, Bengaluru Karnataka- 560 012	3 Years	79,04,520
5.	DST/TMD(EWO)/IC#5-2018/05	Plasmonic nano-gap platforms for solar photo-catalytic	Prof. Parinda Vasa Dept. of Physics Indian Institute of	3 Years	74,02,320

		applications	Technology (Bombay) Mumbai-400 076 (Maharashtra)		
6.	DST/TMD(E WO)/IC#5- 2018/06	Engineering of hybrid organic-inorganic perovskite materials for highly efficient photo electrochemical cells	Dr. Subhasis Roy Dept. of Chemical Engineering University of Calcutta Kolkata- 700 009 (West Bengal)	3 Years	52,72,696
7.	DST/TMD(E WO)/IC#5- 2018/07	Plasmonic nanomaterials for converting CO ₂ to Fuel using Solar	Dr. Vivek Polshettiwar Dept. of Chemical Science Homi Bhabha Road, Coloba Tata Institute of Fundamental Research Mumbai – 400 005	3 Years	90,32,428
8.	DST/TMD(E WO)/IC#5- 2018/08	Earth abundant and scalable two dimensional catalysts for selective photo- electrochemical solar conversion of carbon dioxide to methane/methanol	Dr. Aravind Kumar Chandiran Dept. of Chemical Engineering Indian Institute of Technology, Madras Chennai- 600 036 (Tamil nadu)	3 Years	99,45,952