PROJECTS SANCTIONED BY GOVT. OF INDIA TO RKDF UNIVERSITY

- **PROJECT I: High Energy Density Thermal Energy Storage for Concentrated Solar Plant**

Project outlay: : Rs. 41.00 Lakh

- **Sponsored by : Ministry of New and Renewable Energy,**
- **MNRE Grant : Rs. 36 Lacs**
- **RPI, USA Share : Rs. 5 Lacs**

- **PROJECT II : Carbon Capture Project (vide letter dated 6-2-2019)**

- **Sponsored by Ministry of Power, CPRI (Central Power Research Institute)**

Project Outlay: - Rs. 53.50 Lacs

- **CPRI Grant Amount- - Rs. 38.5 Lacs**
- **RKDF Equity - Rs. 15.00 Lacs**

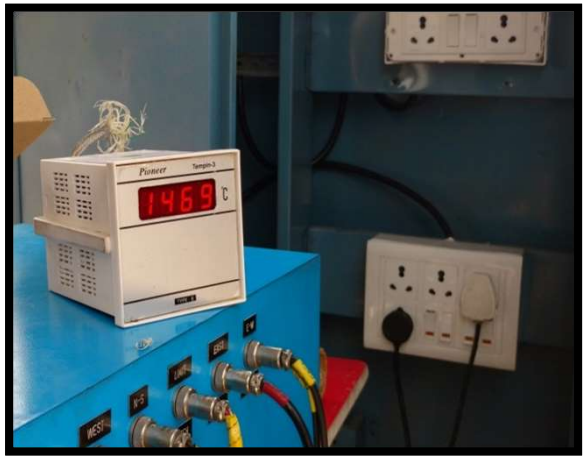
- **PROJECT III : Solar Thermal Project 40 kW (vide letter dated 29-3-2019)**

Project Outlay : - Rs. 81.50 Lacs

- **Sponsored by: Ministry of New & Renewable Energy (MNRE), Government of India**
- **MNRE Grant Amount - - Rs. 39.00 Lacs**
- **RKDF Equity - - Rs. 22.50 Lacs**
- **RPI Technology Transfer Cost - - Rs. 20.00 Lacs**

Project collaborating organization is RPI, NY, USA

TES Solid Media Innovation at RKDF University: MNRE Project I (2015-18)



Temperature achieved at the tip of solar focal point ~ 1400 ^{O}C.
Temperature at the core ~ 310 ^{O}C sufficient to generate steam

Asia's First & World's Third

Solar Integrated Carbon Capture Plant

Sponsored by Ministry of Power (CPRI)

Capture Capacity 400 Tons/ year CO_2

Carbon Capture Plant Running @ Capture capacity of 50 kg/hr. CO_2

Solar Thermal Plant with TES Device

ALGAE FORMATION FOR BIO-DIESEL PRODUCTION USING CARBON CAPTURE PLANT AT RKDF UNIVERSITY