

**GOVERNMENT OF INDIA  
MINISTRY OF POWER  
LOK SABHA  
UNSTARRED QUESTION NO.875  
ANSWERED ON 21.07.2022**

**RESEARCH IN ENERGY AND ALLIED AREAS**

**875. SHRI M. SELVARAJ:**

**Will the Minister of POWER  
be pleased to state:**

- (a) the details of Government/Government funded Institutes currently involved in research in energy and allied areas;
- (b) the quantum of funds allocated to these Institutes during the last three years and the current year alongwith their achievements thereunder;
- (c) whether the Government has any plans of expanding energy research in the country especially in new and emerging areas; and
- (d) if so, the details thereof?

**A N S W E R**

**THE MINISTER OF POWER AND NEW & RENEWABLE ENERGY**

**(SHRI R.K. SINGH)**

(a) & (b) : Central Power Research Institute (CPRI), an Autonomous Society under the Ministry of Power, functions as the apex body for undertaking Research in the Electrical Energy Sector. An amount of Rs.479.4 Crore has been provided to CPRI during 2019-2022. During this period, R&D projects on various focus areas of Power Sector like grid integration of renewable energy, e-cooking, energy storage, etc. have been taken up by CPRI. A host of technologies including the following have been developed during 2019-2022;

- Induction Stove suitable for Indian Cookware
- High capacitance graphene supercapacitors for storage of power from Renewable energy sources
- Low cost Silicon Rubber insulator
- Retrofit post combustion carbon capture plant for thermal power plant
- Non-edible vegetable oil based green insulating fluids for transformer applications

(c) & (d) : Ministry of Power has sanctioned a Research & Development (R&D) Scheme with a budgetary outlay of Rs.112 crore for supporting research in new and emerging areas of electrical energy during 2021-22 to 2025-26.

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