

**GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA**

UNSTARRED QUESTION NO:5036
ANSWERED ON:02.09.2011
SOLAR POWER TECHNOLOGY
Mani Shri Jose K.

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

- (a) whether the Concentrating Solar Power (CSP) technologies proposed to be a component of Jawaharlal Nehru National Solar Mission launched recently;
- (b) if so, the details thereof;
- (c) whether the Government has analysed the context, barriers and policy options for the growth of Concentrating Solar Power (CSP) Technologies in India;
- (d) if so, the details thereof and the advantages thereof;
- (e) whether Government proposes to set up CSP technology in the projects based in Rajasthan and Gujarat; and
- (f) if so, the details thereof?

Answer

THE MINISTER OF NEW AND RENEWABLE ENERGY (DR. FAROOQ ABDULLAH)

- (a): Yes, Madam. The Concentrating Solar Power (CSP) technologies are eligible for setting up grid connected solar power projects in the country under Jawaharlal Nehru National Solar Mission (JNNSM).
- (b): Of 1000 MW capacity of solar power projects in phase 1 of the Mission, 50% capacity is envisaged through solar thermal which represent CSP technologies.
- (c)&(d): The Government announced JNNSM in January 2010, after analyzing the context, barriers, and policy options for promoting solar energy in the country including CSP technologies. The Mission aims to set up 20000 MW capacity of grid connected solar power projects by 2022 and a substantial part of this capacity is envisaged through CSP technologies. The advantages of CSP technologies are better efficiency, quality of power and hybridization possibilities.
- (e)&(f): Solar projects based on CSP and other technologies under JNNSM can be set up in any part of the country. In 1st Phase, 8 no. of projects with 430 MW capacity are likely to be set up in Rajasthan and one project of 20 MW capacity in Gujarat.