

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2219
TO BE ANSWERED ON 01.01.2019

USE OF SOLAR WATER PUMPS

2219. DR. VIKAS MAHATME

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

- (a) the number of solar water pumps that have been distributed to the farmers during the last three years and the percentage of land that was brought under irrigation by these pumps;
- (b) whether solar water pumps are feasible to the farmers having small land holdings; and
- (c) the steps taken by Government to increase the use of solar water pumps?

ANSWER

THE MINISTER OF STATE FOR NEW & RENEWABLE ENERGY AND POWER (I/C)
(SHRI R. K. SINGH)

(a) During the period from 1 April 2015 to 30 November 2018, a total of 1,71,384 solar water pumps have been reported to be installed in the country.

The area of land irrigated depends upon several factors including capacity of pump, type of crop, ground water level, etc. In general a 5 HP capacity solar water pump linked with micro irrigation system covers an area of 2.5 hectares for irrigation.

(b) & (c) Yes Sir. Central financial assistance combined with State Government support makes the solar water pumps feasible to the farmers having small land holdings.

To increase the use of solar water pumps. The Ministry of New and Renewable Energy has formulated a Scheme 'Kisan Urja Suraksha evam Utthaan Mahabhiyan (KUSUM)' which covers installation of standlone off-grid solar water pumps to fulfil irrigation needs of farmers not connected to grid and solarization of existing grid-connected agriculture pumps, also enabling sale of surplus electricity generated by solar panels. The Scheme is under the process of seeking approval.
