

**GOVERNMENT OF INDIA  
DRINKING WATER AND SANITATION  
LOK SABHA**

UNSTARRED QUESTION NO:2054

ANSWERED ON:28.07.2016

Solar Power Based Water Pump Projects

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**Will the Minister of DRINKING WATER AND SANITATION be pleased to state:**

- (a) whether the Government has implemented any scheme to make available drinking water through solar energy based dual pumps in remote areas in various States;
- (b) if so, the details of funds allocated and released and physical targets achieved under the scheme during each of the last three years and the current year, State-wise;
- (c) whether State Governments have not shown enough interest in the installation of solar energy based pumps due to its inefficiency;
- (d) if so, the details thereof and the steps proposed to be taken by the Government to make the scheme successful; and
- (e) the main reasons attributing to the dirty and contaminated drinking water in the country?

**Answer**

MINISTER OF STATE FOR DRINKING WATER AND SANITATION

(SHRI RAMESH CHANDAPPA JIGAJINAGI)

(a) & (b) Yes Madam. Initially, Ministry of Drinking Water & Sanitation (MDWS) has started a scheme for installation of Solar Energy based dual pumps operated with Solar Energy in 88 (earlier 82) identified Left Wing Extremism (LWE) affected districts of 10 States namely Andhra Pradesh, Bihar, Telangana, Chhattisgarh, Jharkhand, Madhya Pradesh, Odisha, Uttar Pradesh, Maharashtra and West Bengal. For this, Rs. 221.30 Crores were allocated to these States from National Clean Energy Fund (NCEF) of Ministry of Finance (MoF) with a target of 11,068 such schemes. The scheme has been co-funded with the assistance of NCEF with 40% share of funds from NCEF. The balance requirement of the funds i.e. 60% have been shared equally between National Rural Drinking Water Programme (NRDWP) Central and State Shares.

Subsequently, the Ministry has started another scheme in October, 2014 for installation of such pumps across the country with focus on tribal, remote and thinly populated habitations. The scheme has been taken up with the collaboration of Ministry of New and Renewable Energy (MNRE). For this, 17 States have been given a target of 15,400.

As per information reported by the States, the state-wise details of funds released under initial scheme and achievements made under both the schemes are given at Annexure-I & II.

(c) & (d) No Madam. All the States have shown enough interests in the installation of Solar Energy based dual pump except Bihar where the scheme has commenced after some delay.

(e) Most of the rural drinking water supply schemes in the country are ground water based. Contamination of drinking water due to arsenic, fluoride, iron and salinity may be due to geogenic reasons. Further, bacteriological contamination and nitrates may also arise in drinking water sources due to insanitary conditions. In addition, water may get contaminated due to anthropogenic reasons like industrial pollution.