

**Demonstration hybrid wind-solar system in Karnataka**

2299. SHRI K.B. KRISHNA MURTHY: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) whether the Karnataka Government has sent any proposal for installation of hundred demonstration hybrid wind-solar system in Karnataka;

(b) if so, the cost of each system; and

(c) the present status of the said proposal?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) Yes, Sir. The Karnataka Renewable Energy Development Ltd., Bangalore has submitted a proposal for installation of hundred wind-solar hybrid systems in Karnataka.

(b) The unit cost of systems varies from Rs. 42,000/- to 65,000/- for the proposed unit capacities ranging from 437 Watts to 550 Watts.

(c) The finalized proposal, received in the month of August, 2004, is under consideration of the Ministry for providing financial assistance as per guidelines of the Programme on Small Wind Energy and Hybrid System.

**Solar Villages Electrification in Maharashtra**

2300. SHRI RUDRA NARAYAN PANY:  
SHRI BALAWANT ALIAS BAL APTE:

Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the number of villages in the State of Maharashtra that have been electrified with the help of solar energy schemes during the last three years;

(b) the potential of electricity connections using solar energy in the State; and

(c) the funds allotted to the State under the Solar Village Electrification Scheme during the last year?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) No villages have been electrified through non-conventional energy sources, including solar energy, in Maharashtra during the last three years under the Remote Village Electrification Programme of the Ministry. A project for electrification of 16 remote villages through solar photovoltaic systems has been sanctioned to the State during 2003-04. In addition, 989 solar home systems, 1470 solar street lighting systems and 228 solar pumps have been installed, and about 10,000 solar lanterns have also been provided in the State.

(b) The state agency has identified 242 remote villages for electrification through non-conventional energy sources, including solar energy.

(c) Central Financial Assistance of Rs. 6.22 crore has been sanctioned for implementation of the project in 16 remote villages, against which an amount of Rs. 3.14 crore has been released to the State Agency during the last year.

#### **Potential of Small Scale Power Generation in Uttaranchal**

†2301. SHRI HARISH RAWAT: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

(a) the total potential of small scale power generation in the State of Uttaranchal and the details of the power being generated at present;

(b) whether efforts are being made to fully tap the said potential; and

(c) if so, district-wise number of small scale power projects running in the State and the names of places along with number of new projects on which work is proposed to be started during the current Five Year Plan?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) A total potential of 1483 MW grid interactive renewable power has been estimated in Uttaranchal, against which a capacity of about 72.45 MW has been installed as on 31.3.2004.

(b) The Ministry is implementing various programmes/schemes and providing central financial assistance for setting up grid interactive renew-

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† Original notice of the question was received in Hindi.