

GOVERNMENT OF INDIA
MINISTRY OF NEW AND RENEWABLE ENERGY
RAJYA SABHA
QUESTION NO 26.07.2010
ANSWERED ON
TAPPING OF SOLAR ENERGY .

3

Smt. T. Ratna Bai

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

- (a) whether the States are tapping the solar energy potential;
- (b) if so, the details thereof during the last three years, State-wise;
- (c) the amount spent in this regard;
- (d) the present status thereof; and
- (e) how Government is using such solar energy, State-wise?

ANSWER

THE MINISTER OF NEW AND RENEWABLE ENERGY

(Dr. FAROOQ ABDULLAH)

(a),(b),(c),(d)&(e): A Statement is laid on the Table of the House.

Statement

Statement referred to in reply to Parts (a),(b),(c),(d)&(e) of the Rajya Sabha Starred Question No. 3 for 26th July, 2010

(a):Yes, Sir.

(b):The State-wise list of systems installed under the Solar Photovoltaic (SPV) Programme during the last three years is given in Annexure-I. The State-wise list of remote villages/hamlets electrified using SPV systems under the Remote Village Electrification (RVE) Programme is given in the Annexure-II. In addition, 1.5 million square meters of solar thermal collector area have been set up in the country during the last three years.

(c):An amount of Rs. 554.48 crores has been released by the Government to States/Union Territories and other implementing agencies, during the last three years under the SPV Programme, Solar Thermal Programme and RVE Programme of the Ministry.

(d) & (e):The Ministry is providing various fiscal and financial incentives to promote utilization of solar energy for off-grid and grid-connected applications in the country. The utilization of solar energy systems is increasing. The Government has launched a major initiative in January, 2010 through the Jawaharlal Nehru National Solar Mission (JNNSM) to develop solar energy technologies to make solar power competitive to conventional grid-power by 2022. The Mission will be implemented in three phases. Government has approved the target to set up 1,100 MW grid connected solar power plants, including 100 MW capacity plants as rooftop and small solar plants for the first phase of the Mission till March, 2013. In addition, 200 MW capacity equivalent off-grid solar applications and 7 million square metres solar thermal collector area are also proposed in the first phase of the JNNSM. Guidelines for implementation of major components of the JNNSM have already been announced by the Government. The JNNSM covers all the States and Union Territories in the country.

Annexure-I

Annexure-I referred to in the Reply to Part (b) of the Rajya Sabha Starred Question No.3 for 26th July, 2010.

State-wise installation of SPV systems under the Solar Photovoltaic programme during the last three years

S.No. State/UT Lanterns Home Street Pumps Power

plants

| Grid | Lights connected nos | lights Alone kWp | Stand |
|------|----------------------------|------------------------|-------|
|------|----------------------------|------------------------|-------|

| | | | | | | |
|----------------------|--------|--------|-------|-----|--------|------|
| 1 Andhra Pradesh | 647 | 315 | 0 | 0 | 187.14 | 0 |
| 2 Arunanchal Pradesh | 4544 | 2500 | 150 | 0 | 0 | 0 |
| 3 Bihar | 0 | 399 | 0 | 0 | 0 | 0 |
| 4 Chhattisgarh | 0 | 2501 | 1354 | 105 | 99.72 | 0 |
| 5 Goa | 425 | 89 | 180 | 0 | 0 | 0 |
| 6 Gujarat | 0 | 0 | 0 | 0 | 70.6 | 0 |
| 7 Haryana | 30986 | 5564 | 6085 | 0 | 208.2 | 0 |
| 8 Jammu & Kashmir | 663 | 3600 | 100 | 0 | 0 | 0 |
| 9 Jharkhand | 0 | 279 | 0 | 0 | 0 | 0 |
| 10 Karnataka | 0 | 4954 | 0 | 95 | 0 | 6000 |
| 11 Kerala | 0 | 0 | 0 | 0 | 3 | 0 |
| 12 Madhya Pradesh | 170 | 367 | 0 | 0 | 0 | 0 |
| 13 Maharashtra | 60000 | 415 | 1305 | 0 | 0 | 0 |
| 14 Manipur | 0 | 0 | 0 | 0 | 17 | 0 |
| 15 Nagaland | 2880 | 340 | 0 | 0 | 0 | 0 |
| 16 Orissa | 279 | 575 | 507 | 0 | 0 | 0 |
| 17 Punjab | 2500 | 4000 | 1400 | 36 | 50 | 1000 |
| 18 Rajasthan | 0 | 15054 | 0 | 0 | 0 | 0 |
| 19 Sikkim | 1750 | 1750 | 50 | 0 | 0 | 0 |
| 20 Tamil Nadu | 0 | 0 | 3213 | 0 | 9.45 | 0 |
| 21 Tripura | 19727 | 13476 | 0 | 0 | 0 | 0 |
| 22 Uttar Pradesh | 0 | 34986 | 2218 | 0 | 0 | 0 |
| 23 Uttrakhand | 0 | 41596 | 4784 | 0 | 0 | 0 |
| 24 West Bengal | 14000 | 47283 | 25401 | 0 | 0 | 1100 |
| 25 Delhi | 0 | 0 | 0 | 0 | 46 | 54 |
| 26 Puducherry | 0 | 0 | 100 | 0 | 0 | 0 |
| Total | 138571 | 180043 | 46847 | 236 | 691.11 | 8154 |

Annexure-II

Annexure-II referred to in the Reply to Part (b) of the Rajya Sabha Starred Question No.3 for 26th July, 2010.

State-wise details of Remote Villages / Hamlets electrified/lighted through SPV Systems during the last three years under the Remote Village Electrification (RVE) Programme

S. No. State /Union Territory Villages/ Hamlets
(Completed)

| | |
|----------------------|------|
| 1. Arunachal Pradesh | 90 |
| 2. Assam | 827 |
| 3. Chhattisgarh | 74 |
| 4. Gujarat | 36 |
| 5. Haryana | 149 |
| 6. Jammu & Kashmir | 43 |
| 7 Jharkhand | 162 |
| 8. Karnataka | 30 |
| 9. Madhya Pradesh | 158 |
| 10. Maharashtra | 228 |
| 11. Manipur | 57 |
| 12. Meghalaya | 70 |
| 13. Nagaland | 3 |
| 14. Orissa | 206 |
| 15. Rajasthan | 163 |
| 16. Sikkim | 65 |
| 17. Tripura | 165 |
| 18. Uttar Pradesh | 14 |
| Total | 2540 |