

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

UNSTARRED QUESTION NO:2522
ANSWERED ON:04.12.2009
USE OF RENEWABLE ENERGY SOURCES
Sampath Shri Anirudhan

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

(a) whether various Government Departments and Public Sector Undertakings (PSUs) can use New and Renewable Energy sources to a larger extent; and

(b) if so, the details of the Department and PSUs which have adopted this technology so far?

Answer

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

(a): New and Renewable Energy Sources can be used to supplement the energy/ electricity needs of every establishment whether public or private. The extent to which these can be used is not any greater in public sector than in private sector or vice-versa. The same is governed solely by techno-economic viability which depends on several factors including local availability of selected renewable resource and space for installation, scale of use, energy use pattern as also the availability and cost of other energy alternatives to the establishment.

(b): Details of cumulative deployment of various renewable energy systems/ devices in the country, covering all sectors, as on 31.10.2009 are given in Annexure.

Annexure

Annexure referred to in reply to part (b) of Lok Sabha Unstarred Question No.2522 for 04.12.2009 regarding Use of Renewable Energy Sources.

Details of cumulative deployment of various renewable energy systems/devices in the country as on 31.10.2009.

S. No Renewable Energy Programmes/ Systems Cumulative Achievements (upto 31.10.2009)

I. Power From Renewables

A. Grid-interactive renewable power

1. Wind Power	10891.00 MW	
2. Small Hydro Power	2519.88 MW	
3. Biomass Power (Agro -wastes/ residues)		816.50 MW
4. Bagasse Cogeneration	1241.00 MW	
5. Waste to Power	67.41 MW	
6. Solar Power	6.00 MW	
Total	15541.79 MW	

**B. Off-grid/ Distributed renewable power
(including Captive/CHP plants)**

7 Biomass power/ Cogen. (Non-bagasse)	181.37 MWeq	
8. Biomass Gasifiers	108.37 MW	
9. Waste-to-Energy	37.97 MWeq	
10. Solar PV Power Plants and Street Lights (> 1kW)		2.39 MWpp
11. Aero-generators/ Hybrid systems	0.89 MW	
Total	330.99 MWeqeq.	

II. Remote Village Electrification

(Villages/ Hamlets provided with electricity/ lighting systems) 4297 villages / 1257 Hamlets

III Decentralized Energy Systems

12. Family Type Biogas Plants	41.42 lakh	
13. SPV Home Lighting System	5,10,877 nos.	
14. SPV Lanterns	7,367,350 nos.	
15. SPV Pumps	7247 nos.	
16. Solar Water Heating - collector area		3.12 mln .sq.m.
17. Solar Cookers	6.57 lakh	
18. Wind Pumps	1347 nos.	
19. Energy Parks	511 nos.	
20. Aditya Solar Shops	284 nos.	

MW=Megawatt; kW=kilowatt, kWp=kilowatt peak; sq.m.=square meter.