

1	2	3
II. Remote Village Electrification	2237/594 (villages/hamlets)	
III. Decentralised Energy Systems		
9. Family Type Biogas Plants		38.34 lakh
10. Community/Institutional/Night-soil-based biogas plants		3902 nos.
11. Improved Chulha		3.52 crore
12. Solar Photovoltaic Programme		
i. Solar Street Lighting System		54795 nos.
ii. Home Lighting System		342607 nos.
iii. Solar Lantern		478058 nos.
iv. Solar Power Plants		1566 kWp
13. Solar Thermal Programme		
i. Solar Water Heating Systems	1.5 million sq.m.	collector area
ii. Solar Cookers		6.00 lakhs
14. Wind Pumps		1111 nos.
15. Aero-generator/Hybrid Systems		484.68 kW
16. Solar-Photovoltaic Pumps		7015 nos.
IV. Other Programmes		
17. Energy Parks		459 nos.
18. Aditya Solar Shops		81 nos.

MW=Megawatt kW=Kilowatt, kWp=Kilowatt peak, sq.m.=square metre

Power generation from Industrial waste

3878. SHRI MANOHAR GAJANAN JOSHI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

- (a) whether it is proposed to generate 1000 MW from industrial waste; and
- (b) if so, the details thereof?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR) (a) and (b) A potential of about 15,000 M W for generation of power through cogeneration has been estimated in various core industries such as sugar industry, fertilizers, distilleries, paper and pulp industry, rice mills etc. This includes a potential of about 5,000 MW through bagasse cogeneration in sugar mills. Under the Programme being implemented by the Ministry, 63 bagasse cogeneration projects have been installed which are exporting 526 MW surplus power to the grid.

Apart from this, there is a potential of about 1000 MW for power generation from bio-degradable industrial wastes comprising mainly effluent. Under the programme being implemented by the Ministry, 21 such projects of aggregate capacity 26 MW have so far been installed in various industries.

Use of alternative fuel resources

†3879 . SHRI LALIT KISHORE CHATURVEDI: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

- (a) whether the rising prices of oil in international market has adversely affected the economic growth rate and foreign exchange reserve of India;
- (b) whether any bio-diesel based system is under consideration in this regard;
- (c) whether the technology and vegetation for manufacturing bio-diesel is available or could be made available in the country; and
- (d) if so, the action being taken in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NON-CONVENTIONAL ENERGY SOURCES (SHRI VILAS MUTTEMWAR): (a) to (d) No, Sir. India's growth rate during the last three years, along with foreign exchange reserves, have been at comfortable levels. However, keeping in view the rising prices of petroleum products, alternative energy sources to petroleum products are being explored. A National Mission on Bio-diesel has been taken up in the country under the Ministry of Rural Development for plantation of Jatropha in 4 lakh hectares of waste/forest lands for production of Biodiesel.

Power Plant Project

3880.SHRI R. SHUNMUGASUNDARAM: Will the Minister of NON-CONVENTIONAL ENERGY SOURCES be pleased to state:

- (a) how many power plant project proposals are pending for clearance;
- (b) how long are they pending; and

†Original notice of the question was received in Hindi.