

Utilisation of Sewage Water for Power Generation

7704. SHRI PRAKASH V. PATIL: Will the Minister of ENERGY be pleased to state:

(a) whether an experiment in Delhi has shown that power can be generated from sewage water;

(b) if so, what steps are being taken to utilise sewage water in other States for power generation; and

(c) the Central assistance to be given to States in this regard?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) Yes, Sir. The biogas generated from anaerobic digestion of sewage sludge obtained after treatment of sewage water can be used in biogas or dual fuel engines for power generation. At Okhla, Delhi Sewage treatment plant, the gas generated is being piped for cooking by about 4,000 families. Three Generators of 250 KVA each have also been installed at Okhla Sewage Treatment Plant to generate power from sewage gas as a stand by arrangement, should grid supply fail.

(b) and (c). Setting-up of primary sewage treatment plant is a pre-requisite for separation of sewage sludge and generation of biogas. This is a municipal function and is the responsibility of the concerned State Governments/Local Bodies. The Department of Non-Conventional Energy Sources is encouraging and planning recycling of wastes for energy recovery therefrom under its Waste Recycling and Resources Recovery Systems (WRRRS) Demonstration Programme. Sewage Gas and night soil recycling are important components of the WRRRS. As a fiscal incentive for the initial plants the DNES is meeting 50-75% capital cost of the

biogas generation and gas utilisation system subject to maximum of Rs. 25.00 lakhs for the plant other than under Ganga Action Plan. Assistance has been provided to Padrauna (UP), Bhopal (MP), Vijayawada (AP) and Bangalore (Karnataka). The Central Ganga Authority is renovating or constructing 35 Sewage Treatment Plants (STPs) in the three States namely Uttar Pradesh (UP) (13 Nos, at a cost of Rs. 60.58 crores) Bihar (7 Nos. at a cost of Rs. 8.71 crores) and in West Bengal (15 Nos. at a cost of Rs. 37.95 crores). Facilities for generation of bio-energy are proposed to be incorporated in 12 STPs in U.P., 2 in Bihar and 10 in West Bengal.

Coal Link-age to Manuguru Super Thermal Power Plant

7705. SHRI V. SOBHANADREESWARA RAO: Will the Minister of ENERGY be pleased to state:

(a) whether it is proposed to provide coal linkage to the proposed Manuguru Super Thermal Power Plant from the open cast mine at Manuguru;

(b) if so, the details thereof; and

(c) if not, the reasons therefor?

THE MINISTER OF ENERGY (SHRI VASANT SATHE): (a) and (c). The coal production in Manuguru area of SCCL is 2.10 m. tonnes (1988-89) and it will increase to about 2.52 m. tonnes in 1989-90 and 4.55 m. tonnes by 1994-95. The question of coal linkage for the proposed Manuguru TPS has been examined in the Department of Coal. Looking to the demand and supply position of coal in respect of Godavari Valley Coal-field during the Eighth Plan period it has not been found possible to provide coal linkage to the proposed Manuguru TPS.