

**GOVERNMENT OF INDIA  
PETROLEUM AND NATURAL GAS  
LOK SABHA**

UNSTARRED QUESTION NO:4226  
ANSWERED ON:10.04.2003  
PRODUCTION OF PETROLEUM PRODUCTS FROM WASTE MATERIAL  
Y.G. MAHAJAN

**Will the Minister of PETROLEUM AND NATURAL GAS be pleased to state:**

- (a) whether the Government are evolving any scheme for producing petro-products from waste material;
- (b) if so, the details thereof;
- (c) whether any test/experiment has been conducted by the Government in this regard; and
- (d) if so, the details thereof?

**Answer**

MINISTER OF STATE IN THE MINISTRY OF PETROLEUM & NATURAL GAS (SHRI SANTOSH KUMAR GANGWAR)

- (a) No, Sir.
- (b) In view of (a) above question does not arise.
- (c) The process has been demonstrated at the request of the Government.
- (d) Prof. Alka Umesh Zadgaonkar, Head of the Department of Applied Chemistry, G.H. Rasoni College of Engineering, Nagpur claims to have invented a process and equipment for conversion of plastic waste to liquid fuels like petrol, kerosene, diesel etc. They have demonstrated this process where the feed consisting of waste plastic (75 % wt) and coal (25 % wt) along with catalyst/additives were heated in a coker drum to about 450 degree centigrade and the liquid product was collected separately after condensation. The liquid fuel generated from the plastic does not meet BIS specification, contains highly cracked components which require stabilization with an appropriate antioxidant. It also has a high diene value contributing to potential gum formation and high chlorine content. However, the liquid obtained is a rich source of alpha-olefins and could be used as a petrochemical feed stock.