

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH**

**LOK SABHA  
UNSTARRED QUESTION No. 2761  
(TO BE ANSWERED ON 02.08.2017)  
PLASTIC CONVERTED INTO PETROL**

**2761. SHRI P. KUMAR:**

**Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:**

- (a) whether plastics can be converted into petrol and oil;**
- (b) if so, the details thereof;**
- (c) whether the Government proposes to introduce new technological innovation in this regard;**
- (d) if so, the details thereof;**
- (e) whether in foreign countries it is already being converted and if so, the details thereof; and**
- (f) the steps taken by the Government in this regard?**

**ANSWER**

**MINISTER OF STATE FOR SCIENCE AND TECHNOLOGY AND EARTH SCIENCES  
(SHRI Y. S. CHOWDARY)**

- (a)&(b) Yes, Madam. Plastic can be converted into petrol, diesel and other hydrocarbons.**
- (c)&(d) CSIR-Indian Institute of Chemical Technology (IICT), Hyderabad has developed a catalyst that can be used for conversion of waste plastics to fuel oils. CSIR-Indian Institute of Petroleum (IIP), Dehradun in collaboration with GAIL (India) Ltd. has developed a process by which waste polyethylene and polypropylene type plastics can be converted into petrol and diesel. One kilogram of waste polyethylene and polypropylene can be converted to either about 600-650 ml of petrol or 700-750 ml of diesel along with LPG. The process has been developed at the bench scale.**
- (e) There are certain plants operating in foreign countries which claim to convert waste plastics into plastic oil/fuel oil/diesel.**
- (f) CSIR laboratories are involved in R&D of converting waste plastics into fuel oil by appropriate processes.**

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