

**GOVERNMENT OF INDIA  
CHEMICALS AND FERTILIZERS  
LOK SABHA**

UNSTARRED QUESTION NO:296

ANSWERED ON:09.08.2012

PRODUCTION OF CHEMICALS AND FERTILIZERS

Pakkirappa Shri S.

**Will the Minister of CHEMICALS AND FERTILIZERS be pleased to state:**

(a) whether advanced technology is essential for production of chemicals and fertilizers;and

(b) if so, the details thereof?

**Answer**

MINISTER OF THE STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF STATISTICS & PROGRAMME IMPLEMENTATION  
AND MINISTER OF THE STATE IN THE MINISTRY OF CHEMICALS & FERTILIZERS (SHRI SRIKANT KUMAR JENA)

(a): Yes, madam.

(b): Advanced technologies are employed for the manufacture of most of the fertilizers and intermediate chemicals. Advanced and complex technologies are used in the areas of process technology, process control & instrumentation, high pressure compressor & pumps, high pressure & high temperature reactors, vessels and heat exchangers etc. There is a high level of automation in the modern fertilizer plants including advance process control and optimization systems.