

**GOVERNMENT OF INDIA  
HEALTH AND FAMILY WELFARE  
LOK SABHA**

UNSTARRED QUESTION NO:2811  
ANSWERED ON:10.05.2006  
ORAL DOSES OF HEPATITIS- B AND INSULIN .  
Masood Shri Rasheed

**Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state:**

- (a) whether oral doses of medicines for Hepatitis-B and Insulin have been developed in the country;
- (b) if so, the details thereof;
- (c) whether applications have been sent to obtain patent rights for these oral doses of Hepatis-B and Insulin;
- (d) if so, the details thereof; and
- (e) if not, the reason thereof?

**Answer**

THE MINISTER OF STATE IN THE MINISTRY OF HEALTH & FAMILY WELFARE (SMT. PANABAKA LAKSHMI)

- (a) & (b) As per information available, there is no proposal for oral dose of Hepatitis B vaccine. However, oral dose of insulin has been developed by M/s Biocon India Ltd. Bangalore and it is under various stages of evaluation.
- (c) & (e) Such information is not maintained centrally at the level of this Ministry.