

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

UNSTARRED QUESTION NO:878  
ANSWERED ON:12.11.2010  
DEVELOPMENT OF NEW VACCINES  
Rajendran Shri C.

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

- (a) whether the Government has accorded priority to the research, development and production of new vaccines to arrest the growing number of diseases such as Swine Flu and Dengu in the country;
- (b) if so, the details thereof;
- (c) the current status of the development of each of these vaccines; and
- (d) the time by which these vaccines are likely to be made available to the public?

**Answer**

THE MINISTER OF STATE FOR HEALTH & FAMILY WELFARE (SHRIS. GANDHISELVAN)

(a) to (c): Yes. The technology in respect of vaccines of Hepatitis A, Japanese Encephalitis and oral Cholera Vaccine has been transferred by ICMR to industry and the technology in respect of Kyasanur Forest Disease Vaccine has been transferred to the Government of Karnataka. Pre-clinical trials have been completed in respect of Combination Chandipura-DPT vaccine, Hepatitis E vaccine, and Recombinant Hepatitis E and Hepatitis B vaccine.

Department of Biotechnology has supported a major project for dengue vaccine on experimental tetravalent dengue vaccine: accelerated development" project at ICGEB, New Delhi. The group has developed a novel tetravalent chimeric protein. Efforts are being made to continue animal studies in AGK0129 mice strain for the development of tetravalent dengue vaccine and start preclinical and clinical studies soon. About swine flu influenza, the department through BIPP programme supported manufacturing of influenza vaccine at Panacea, Serum Institute and BBIL, Hyderabad. The same is available for public use. Besides, it has initiated a programme to develop new and improved vaccines through National Jai Vigyan Mission Programme on S&T.

(d): Any candidate vaccine has to undergo pre-clinical trials, involving in vitro and in vivo (animal or cell culture) experiments and Phase I to IV clinical trials in humans. The vaccine, only if found to be safe and efficacious after completion of all these studies is made available for public use. Therefore, no time can be fixed for making available these vaccines to the public.