

**GOVERNMENT OF INDIA  
MINISTRY OF HEALTH AND FAMILY WELFARE  
DEPARTMENT OF HEALTH RESEARCH**

**LOK SABHA  
UNSTARRED QUESTION NO. 2007  
TO BE ANSWERED ON 30<sup>TH</sup> JULY, 2021**

**COVID-19 VACCINES**

**2007 SHRI THIRUMAAVALAVAN THOL:**

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

- (a) whether the Government/ Government controlled organization like “Indian Council of Medical Research”, “Indian Drugs Pharmaceuticals Limited”, etc., developed Covid-19 vaccines individually or jointly with any other organization;
- (b) if so, the percentage of contribution in such research by each of the above contributors;
- (c) whether the Government or any government controlled organization developed and produce vaccines, individually or jointly with others; and
- (d) if so, the details of profit or the amount of Royalty agreed to be received from such organizations?

**ANSWER  
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND  
FAMILY WELFARE  
(DR. BHARATI PRAVIN PAWAR)**

(a) to (d): The Indian Council of Medical Research (ICMR) has developed Covaxin (an inactivated COVID-19 vaccine) in partnership with Bharat Biotech International Limited (BBIL).

ICMR has made the following contributions in development of Covaxin:

- Isolation of the virus, bulk production of virus and characterization of the vaccine strain at National Institute of Virology (NIV).
- Preclinical studies of the vaccine strain in hamsters and monkeys.
- Quality control samples of small animal studies and phase 1 and phase 2 serum samples.

- Phase 3 clinical trial (partial funding).
- Assessing the effectiveness of COVAXIN against variant strains of SARS-CoV-2.

ICMR is entitled to receive a royalty of 5% on net sales of Covaxin, as per the Memorandum of Understanding (MoU) executed between ICMR and BBIL.

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