

lish a centre in each district headquarters; you have not covered that point.

**SHRI S. KRISHNA KUMAR :** The constraint on resources will not allow us to go beyond what I have stated.

**DR. V. VENKATESH :** In this ultra modern world, our young, dynamic Prime Minister wants to bring all technologies from outside and start industry in this country. Before committing this, are you going to have any legislation to prevent this pollution hazards, which is causing more cancers in our country?

**MR. SPEAKER :** He had replied to this yesterday. Not relevant. Irrelevant.

**SHRI S. KRISHNA KUMAR :** Anti-pollution measures are handled by the nodal Ministry of Environment and also by the Labour Ministry.

New vaccine to control pregnancy

\*360. **SHRI SUBHASH YADAV :**

**SHRI DHARAM PAL SINGH MALIK**

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

(a) whether any new vaccine to control pregnancy has recently been developed in the country;

(b) whether the human trials of this vaccine have also been conducted; and

(c) if so, how far the vaccine has been found successful?

**THE DEPUTY MINISTER IN THE DEPARTMENT OF FAMILY WELFARE (SHRI S. KRISHNA KUMAR) :** (a) to (c) Research is being carried out to develop a vaccine for birth control. Human clinical trials are expected to begin early next year.

**SHRI DHARAM PAL SINGH MALIK :** When the vaccines for birth control are likely to come in the open market for public sale, has the government any plan

to export such vaccines with a view to earn foreign exchange?

**SHRI S. KRISHNA KUMAR :** While recognising the need for continuing research in our effort to introduce a contraceptive vaccine, I would like to tell the hon. member that the procedure is very cumbersome and it will take a long period of time and we are in the preliminary stage. It is expected that 5-10 years will probably elapse before we can do all the stages on animals and humans, different phase study before we can hope to introduce this vaccine.

**SHRI DHARAM PAL SINGH MALIK :** Do the government propose to constitute a study group and envisage a national debate and have a national plan to meet the alarming situation of arising population in the country?

**SHRI S. KRISHNA KUMAR :** This is too a general question. The Ministry of Family Welfare is already assisted in this regard by a national council for health and family welfare. We have also a national population council and our formal and information brain trust is advising us in this regard.

**SHRI A. CHARLES :** There are number of herbs available all over the hill areas and it is a fact that some of them are locally used in a very crude manner for the control of pregnancy.

**SHRI P. KOLANDAIVELU :** He knows it.

**SHRI A. CHARLES :** Those who are wise, they know it.

But unfortunately, due care is not given to the research and development of those herbal medicines. May I know from the Minister whether a programme will be chalked out for research on the herbal medicines so that it may be used on a massive scale for family planning programmes?

**SHRI S. KRISHNA KUMAR :** The Ministry of Health and Family Welfare are conscious of the need to utilise the indigen-

ous systems of medicine and their potential for contraception. We have given grants and are assisting the Council of Indigenous Systems of Medicines in Ayurvedic and Unani medicines. At the moment various plans and schemes were advanced but out of the plans which are advanced and the various claims made, only two sources, namely, 'Isapagin' which is a common laxative in Ayurveda, and another 'Isapgul' and another plant namely BANJAURI from Bihar have been established as being useful in controlling fertility.

**SHRI A. CHARLES :** What about further research?

**MR. SPEAKER :** That is all right now. Yes, Dr. Bhoi? But please do not try to make it an elaborate question. Put a very simple question, only on contraceptives.

**DR. KRUPASINDHU BHOI :** In reply to one supplementaty the hon. Minister said that the samples of pregnancy vaccine will available in the market in the next few days and in the next supplementary he replied that it will take up to five or six months. I would like to know from the hon. Minister categorically what is the name of the vaccine, in which research laboratory these tests are going on and what are the types of animals, rabbits and others which are used and what is the percentage of success. At the same time in Ayurvedic and Unani medicines, till now has any progress been made?

**MR. SPEAKER :** Do not elaborate.

[*Translation*]

This was what I was afraid of; if you divert your question to birth control, it may give rise to other questions.

[*English*]

**DR. KRUPASINDHU BHOI :** I want to know whether the hon. Minister and his Ministry would like to look to the problem,—I am simplifying—to give assistance to the research institutions in the country which are in the voluntary sectors and cumbersome procedure should be curtailed.

**SHRI S. KRISHNA KUMAR :** The first prototype vaccine developed in New Delhi under the leadership of our eminent immunologist Dr. Talwar is Beta-sub unit of the HCG linked to tetanus toxoid and that is the name of the vaccine. We are trying to speed up the various trials for the introduction of the vaccine and the human trials are expected to start early in 1986.

As I said earlier, we have a scheme for promoting indigenous medicines and their potential for development of new methods of contraception.

**MR. SPEAKER :** Shrimati Jayanti Patnaik. Absent.

Shri Satyagopal Misra—Absent,

Shri Sanat Kumar Mandal.—Absent.

Shri Bholanath Sen—Absent.

Shrimati Kishori Sinha—Absent.

Shri K. Kunjambu.

Air-India Income on Gulf Sector

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\*365. **SHRI K. KUNJAMBU :**  
**PROF. P.J. KURIEN :**

Will the Minister of TRANSPORT be pleased to state :

(a) the total income of Air-India on the Gulf-sector during 1985 ;

(b) how does it compare with the earnings from this sector last year ;

(c) whether Government have looked into the complaint of Gulf-passengers that the fare in that sector is very high ;

(d) if so, the steps taken in this regard ; and

(e) the fare being charged in this sector by other airlines ?

**THE MINISTER OF STATE IN THE DEPARTMENT OF CIVIL AVIATION (SHRI JAGDISH TYTLER) :** (a) and (b) The operating revenue of Air India from