

Railways is at Calcutta and that office is not a public undertaking.

[*Translation*]

**SHRI KAMMODILAL JATAV :**  
Mr. Speaker, Sir, lakhs of acres of waste-land are available along the Chambal river in Morena district of Madhya Pradesh. I would, therefore, like to know from the hon. Minister whether he will consider setting up a Railway Coach Factory there ?

**SHRI MADHAVRAO SCINDIA :**  
We both come from Madhya Pradesh. We shall discuss this outside the House,

**MR. SPEAKER :** You may call him outside the House and also offer him a cup of tea.

[*English*]

**SHRI NARAYAN CHOUBEY :**  
The headquarters of the South Eastern Railway is in Calcutta at Garden Reach and the Chief Engineer, of course, stays there. But is it a fact that the Railway Administration feels any difficulty in running many other factories, not only at Mancheshwar but also at Kharagpur, Raipur and many other workshops and loco-sheds ?

**SHRI BANSILAL :** We do not face any difficulty.

**SHRI BRAJMOHAN MOHANTY :**  
I would like to know whether any study has been made relating to the equitable distribution of Railway resources and investment in different States.

**MR. SPEAKER :** He has already replied to that. It is not done region-wise.

**SHRI BRAJAMOHAN MOHANTY :** I am not interested in regional considerations.

**MR. SPEAKER :** What are you concerned about ?

**SHRI BRAJAMOHAN MOHANTY :**  
I only want to know whether any study has been made about the equitable

distribution of resources in different States.

**MR. SPEAKER :** I do not think it is relevant.

#### Improved Vaccine for Birth Control

\*773. **SHRI BANWARI LAL PUROHIT :** Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state :

(a) whether the National Institute for Immunology has recently improved vaccine for birth control ;

(b) whether the clinical testing of such vaccine has been done ;

(c) if so, the outcome thereof ; and

(d) by when the said vaccine will be in use and to what extent it will help control the birth rate :

**THE MINISTER OF STATE IN THE DEPARTMENT OF HEALTH (SHRI YOGENDRA MAKWANA) :**  
(a) to (d) Development of a vaccine for birth control is under process at the National Institute of Immunology. Clinical trials are expected to begin this year. The use of the vaccine will depend upon the outcome of the trials.

[*Translation*]

**SHRI BANWARI LAL PUROHIT :**  
Mr. Speaker, Sir the Director of the Institute while delivering a speech a month ago had indicated that the vaccine had been developed and that only clinical test remained to be done. The hon. Minister has stated in his reply that it would take a year to develop the vaccine. May I know why this information differs from the indication given in the speech of the Director which he made a month ago ?

Secondly, in the context of developing a vaccine for birth control, may I know whether it will also be helpful in controlling cholera and typhoid and if so, what type what type of research is being conducted and how much

progress has been made in this respect so far ?

**SHRI YOGENDRA MAKWANA :**

Mr. Speaker, Sir, there is no difference in what I have Stated and what has been Stated by the scientist, because the doctor has developed it and prepared it, but many trials are required to be conducted and on its being found successful in these trials, it is tried at mass level and then prepared in the laboratory.

[*English*]

All over the world, we are conducting trials in six centres and it is found effective.

[*Translation*]

But it is not as effective as it should be. In many cases pregnancy took place. So it has to be made stronger because the antibody created, —

[*English*]

—it should be stronger to prevent pregnancy.

[*Translation*]

That trial goes on. There is no difference.

**SHRI BANWARI LAL PUROHIT :**

Mr. Speaker, may I know whether it will prevent cholera also and whether a vaccine is also being developed to prevent typhoid ? I would like to have information about these two vaccines.

**SHRI YOGENDRA MAKWANA :**

Mr. Speaker, Sir, this vaccine is developed by mixing harmones with titanous oxide. It will have two effects. It will prevent pregnancy and also tetanus.

As regards cholera and typhoid, this vaccine has no relation to these diseases because we are dealing with anti-pregnancy. How does typhoid come in ?

**SHRI C.P. THAKUR :** Mr. Speaker Sir, trial on a drug is conducted in two stages. First it is tried on animals and

then it is tried on human beings will the hon. Minister be pleased to state whether the toxicity feature was found in this vaccine at the time of its trial on animals ? There are many phases of clinical trial. May I know whether this vaccine is in the phases of clinical trial ?

**SHRI YOGENDRA MAKWANA :**

As I said earlier, as per the medical ethics, the trial is first conducted on animals and not on human beings. It was tried on monkeys, rabbits and was found to be successful. And then started the clinical trials. We have chosen six centres all over the world where trials is going on. In the course of trial, cases of pregnancies from some places have been reported. This shows that there is need to make it a little stronger.

[*English*]

So far as the toxic effect on animals is concerned, it has no such effect on them also.

**MR SPEAKER :** Question 774-Mr. Ananta Prasad Sethi is not present. Now Prof. P.J. Kurien Question 775.

#### Calorie Consumption

\*775. **PROF. P. J. KURIEN :** Will the Minister of HEALTH AND FAMILY WELFARE be pleased to state :

(a) the names of States where the average calories consumed is less than required;

(b) the details thereof;

(c) whether there is any concrete and time-bound plan to raise the calorie value consumed by the weaker sections of the people in the country; and

(d) if so, the details thereof ?

**THE MINISTER OF STATE IN THE DEPARTMENT OF HEALTH (SHRI YOGENDRA MAKWANA) :** (a) to (d) A Statement is laid on the table of the Sabha.