

## RAJYA SABHA

*Wednesday, the 30th April, 1969/the  
10th Vaisakha, 1891 (Saka).*

The House met at eleven of the clock, MR. CHAIRMAN in the Chair.

### ORAL ANSWERS TO QUESTIONS

#### WEATHER RADAR AT BEGUMPET AIRPORT

\*61. DR. BHAI MAHAVIR: Will the Minister for TOURISM AND CIVIL AVIATION be pleased to state:

(a) whether it is a fact that the first India-made weather radar has been installed and commissioned at the Begumpet airport near Hyderabad;

(b) if so, what are the results of its performance; and

(c) whether such radars are proposed to be installed in some other metropolitan cities and if so where and when they are likely to be installed?

THE DEPUTY MINISTER IN THE MINISTRY OF TOURISM AND CIVIL AVIATION (DR. (SHRIMATI) SAROJINI MAHISHI): (a) Yes, Sir. The radar was commissioned for operational use from 29th March, 1969.

(b) It is working satisfactorily, although it is too early to judge its full range of performance under extremes of weather conditions.

(c) Imported weather radars are already functioning at nine other airports in the country. One more radar of Indian make is on order and is proposed to be installed at Palam airport.

DR. BHAI MAHAVIR: May I know, Sir, if the hon. Minister is in a

position to say when we will be able to produce radars required for our airports indigenously and how long it will take for the country to become self-sufficient in this respect? Secondly, by what time will you be able to say whether the radar which has been installed is functioning up to the efficiency required of it and how much time do you consider is needed to make an assessment of its functioning?

DR. KARAN SINGH: The radar which has been installed at the Begumpet airport has been produced by the Bharat Electronics and one more radar of the same type is under order. The question of self-sufficiency really will only arise when we have enough funds in order to buy the radars that we require. We want to buy many more radars, but as a result of the limited funds in the Fourth Plan we are only going to buy one more radar. Therefore, it is not so much a question of self-sufficiency, nor our ability to build up radars. We are able to build them up. It is a question of resources as to when we are going to do that. As far as the other part of the question is concerned, I think we should allow at least one year, so that all the various extremes of climate can be considered and then we will see how it works.

DR. BHAI MAHAVIR: I would like to know how much foreign exchange is involved in the procurement of these radars which are supposed to be manufactured by the Bharat Electronics. When you say that...

MR. CHAIRMAN: Please put a question.

DR. BHAI MAHAVIR: I would like to know how much foreign exchange we have to spend when we import radars or can we do without them. When we need them for our airports either we have to buy them from abroad or produce them indigenously...

**MR. CHAIRMAN:** You are expanding your question.

**SHRI M. R. VENKATARAMAN:** Because of the conjunctions, it will be only one sentence and, therefore, one question.

**DR. KARAN SINGH:** As I submitted, there is no question of our importing any radar. For the radar which is coming up at Begumpet the Bharat Electronics did not charge us anything for the foreign exchange component. It is possible that for the next radar there may be a certain percentage. I am not quite sure what the percentage is. But now that we are developing our own radars, there is no point in our buying foreign radars. In fact, radars are constructed in India. There may be a small foreign exchange component, but basically it is Indian construction and it will be increasingly so.

**SHRI BIREN ROY:** What about the radar which is lying packed at Palam and to which I referred in my Budget speech? I know that a radar is lying there. She said that another radar is proposed to be installed at Palam airport. Another radar has been ordered, but there is one lying at Palam airport. What about putting it up? What arrangements are you making about at least the four international airports in India to have radars? Is it not necessary?

**DR. KARAN SINGH:** My information is that the new radar that is on order is going to be installed at Palam airport. At present there is one functioning at Safdarjang, but that is ten to twelve years old. The hon. Member has said that there is already a radar lying packed at Palam. I am sorry to say that I do not have any information about that, but a new radar is going to be put up at Palam.

**SHRI A. G. KULKARNI:** He says it is lying in the store.

**SHRI BIREN ROY:** I did not say lying on the road, but it is lying packed in Palam. I referred to it in my last Budget speech. We have been told that a radar is lying at Palam airport. The Minister could have verified it or at least the DGCA could have found out whether there is something.

**DR. KARAN SINGH:** With regard to the four international airports there are already radars at Bombay, Madras and Calcutta and as I said a new radar is going to be installed at Palam in place of the old one at Safdarjang.

**SHRI A. G. KULKARNI:** May I know from the Government—a very straight reply...

**MR. CHAIRMAN:** Put a straight question.

**SHRI A. G. KULKARNI:** My question is a straight question. I am very happy that radars are being manufactured in India.

**DR. BHAI MAHAVIR:** Is he entitled to express his opinion?

**SHRI A. G. KULKARNI:** May I know from the Minister—apart from the radar—whether he is aware that in the Palam airport, Bombay airport or wherever it is, in the aircraft itself during the flight information about the altitude and height is given in metres, but the instruments attached to the aircraft are showing it in feet? Does the Minister know that because of this difference, there is a chance of accidents? Has the Minister any information about it?

**DR. KARAN SINGH:** No. Sir. This is the first time I have ever heard about it.

श्री निरंजन वर्मा क्या श्रीमान यह बतलायेंगे कि भारत इलेक्ट्रॉनिक्स की निर्माण गति बहुत धीमी है और उस धीमी गति के कारण भारतवर्ष में जितने रेडार की अपने लिये आवश्यकता है, उस आवश्यकता को पूरा करने में कितना समय लगेगा और दूसरी बात यह कि यदि इसमें कोई सामान बाहर की कम्पनी के कालोबोरेशन से बन रहा है, तो वह कौन सा देश है और उसका नाम क्या है, जिसके साथ मिल कर हम इस प्रकार का कोई आयात करते हैं, ताकि हम बहुत जल्दी ही सारे उपकरण को यहाँ ही बना सकें ?

डा० कर्ण सिंह : सभापति महोदय, भारत इलेक्ट्रॉनिक्स के विषय में बहुत अधिक सूचना तो हमारे पास नहीं है; क्योंकि वह फैक्ट्री हमारे मंत्रालय के नीचे आती नहीं है, लेकिन मैं यह कह सकता हूँ कि जो एक पालम के लिए ले रहे हैं और जो सात साइक्लोन वेदर वार्निंग्स के लिये हैं, वे भी हमें भारत इलेक्ट्रॉनिक्स से लेने हैं, 7 वह और 1 पालम वाला यानी 8 लेने हैं और हमें आशा है कि यदि यह स्कीम चतुर्थ योजना में सेक्शन हो जाय, तो अगले पांच वर्षों में ये आठ के आठ वहाँ से मिल जायेंगे। मुझे आशा है कि ये 8 जो लेने हैं उनको देने में वह समर्थ होंगे।

श्री निरंजन वर्मा : दूसरे प्रश्न का उत्तर नहीं दिया कि किसके कालोबोरेशन में है।

डा० कर्ण सिंह . यह जानकारी मेरे पास नहीं है। भारत इलेक्ट्रॉनिक्स के बारे में है।

SHRI B. T. KEMPARAJ: Has the Government installed any radar

at Bangalore? When he has got a proposal to install or he has radars in Madras, Calcutta, Bombay and Delhi, I want to know whether there is one at Bangalore.

DR KARAN SINGH: There is already a weather radar functioning at Bangalore.

SHRI LOKANATH MISRA: May I know from the hon. Minister whether they have standing instructions given to the airport authorities and to the pilots not to take off when there is a possibility of a strong cyclone and whether before the last NDC meeting, when the Chief Minister of Orissa and the Deputy Chief Minister of West Bengal were flying that evening by the Caravelle they were caught in a storm at the top of the Dum Dum airport just after the take-off and as the radar was out of control, for twenty minutes, they were fighting against death for twenty minutes?

DR. KARAN SINGH. I am happy that they fought it successfully. As far as the general standing instructions are concerned, certainly they are there. We have this weather warning system and we try and predict, wherever possible. It is a question of prediction. It is not yet completely mathematically accurate. These warnings are given to the pilots well in advance and the instructions are that wherever possible violent storms should be avoided.

SHRI A. D. MANI: May I ask the Minister how much does a radar equipment cost, imported and domestically-made?

DR. KARAN SINGH: The cost of the new radar which we are installing at Palam is going to be Rs. 6.5 lakhs. For the cyclone weather warning radars, the scheme is that each one will cost Rs. 18 lakhs. May I explain it? We are trying to put up along the

coast seven key radar stations for cyclone warnings and that scheme is under preparation.

\*62 [Transferred to the 6th May, 1969]

नेशनल बुक ट्रस्ट द्वारा पुनः छापी गई पुस्तकें

\*63. श्री राम सहाय : क्या शिक्षा तथा युवा-सेवा मंत्री यह बताने की कृपा करेंगे कि नेशनल बुक ट्रस्ट ने हिन्दी में जो 62 मौलिक पुस्तकें प्रकाशित की हैं और जो 10 पुस्तकें पुनः मुद्रित की हैं, उनके नाम क्या क्या हैं ; उनका मूल्य कितना-कितना है और वे कहाँ से प्राप्त हो सकती हैं ?

†[BOOKS REPRINTED BY THE NATIONAL BOOK TRUST

\*63. SHRI RAM SAHAI: Will the Minister of EDUCATION AND YOUTH SERVICES be pleased to state the names of the 62 original works and the 10 works reprinted in Hindi brought out by the National Book Trust, their price and the place where they are available?]

THE MINISTER OF EDUCATION AND YOUTH SERVICES (PROF. V. K. R. V. RAO): A statement giving the names of the books, their price and the place from where they are available is laid on the Table of the House.

#### STATEMENT

*List of English titles published by the National Book Trust, India (Feb.28, 1969)*

S. No.	Name of title	Price
<i>India—The land and People series</i>		
		Rs.
1	Flower Trees . . . . .	PB 6.50 HB 9.50
2	Assamese literature . . . . .	PB 5.00 HB 7.50
3	Snakes of India . . . . .	PB 6.50 HB 9.50
4	Land and soil . . . . .	PB 5.25 HB 8.25
5	Minerals of India . . . . .	PB 5.25 HB 8.25
6	Common trees . . . . .	PB 5.25 HB 8.25
7	Domestic animals . . . . .	PB 4.25 HB 8.00
8	Forests and forestry . . . . .	PB 5.25 HB 8.50
9	Nicobar Islands . . . . .	PB 5.50 HB 9.00
10	Vegetables . . . . .	PB 5.25 HB 8.25

PB=Paper Back.

HB=Hard Bound.

† [ ] English translation.