

**Birla Science and Industry
Museum, Calcutta**

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*481. { Shri Subodh Hasda:
Shri R. C. Majhi:

Will the Minister of Education and Scientific Research be pleased to state:

(a) the progress so far made in the establishment of the Birla Science and Industry Museum, Calcutta;

(b) whether any foreign assistance has been asked for the establishment of the Museum; and

(c) to what extent our difficulty in foreign exchange has hampered the progress in the establishment of the Museum?

The Deputy Minister of Education and Scientific Research (Shri M. M. Das): (a) The estimates for the establishment of the Birla Science and Industry Museum, Calcutta, as well as, a tentative plan have been drawn up. The Planning Officer and other nucleus staff have been appointed. Action to provide requirements such as a workshop, etc., and to collect exhibits is on hand.

(b) Technical advice was sought from Mr. W.O'Dea Kooper of Science Museum, London, who visited India as an UNESCO Expert. Further foreign assistance in the shape of contributions of models and exhibits is being sought.

(c) So far there has been no effect of the difficult foreign exchange situation in the progress of the establishment of the Museum.

Shri Subodh Hasda: May I know whether our financial difficulties are hindering the progress of the establishment of the museum?

Shri M. M. Das: The present financial difficulties of the Government of India have not placed any great difficulty in the way of the establishment of this museum; only certain items we have been compelled to postpone for the time being. For example, there was a proposal for carrying out cer-

tain alterations and additions in the building to make it fit for the museum. The cost was calculated to be about Rs. 5 to Rs. 6 lakhs. The Governing Body of the CSIR has decided to postpone this particular item. We are going ahead with the other items.

Shri Subodh Hasda: May I know whether the Government has estimated the total expenditure that will be incurred to complete the museum, and what is the amount that has been spent up to date?

Shri M. M. Das: The Planning Commission has provided for about Rs. 20 lakhs during the Second Plan period for this museum, in addition to the building and the lands which have been donated by Shri G. D. Birla. Uptill now the total expenditure that has been incurred by Government is Rs. 45,806.74.

श्री भक्त बर्गन: श्रीमन् क्या मैं जान सकता हूँ कि इस म्यूजियम की स्थापना के लिए बिड़ला-बंघुओं ने कितने रुपयों की सहायता दी है और केन्द्रीय सरकार उसमें कितना रुपया लगा रही है।

Shri M. M. Das: The cost of the building in Calcutta which has been donated by Shri Birla will be roughly about Rs. 20 lakhs—the cost of the land and building; and, as I have said, the Planning Commission has provided in the Second Five Year Plan Rs. 20 lakhs for the establishment of this museum.

Shri R. C. Majhi: May I know whether the exhibits shown in the museum are available in the country?

Shri M. M. Das: This is a specialised type of museum, and the exhibits will be models of different industrial installations. We have to import all these models from foreign countries, but due to the present financial difficulties, especially the foreign exchange position, we cannot import, we are not in a position to import all these models. So, we have written to the foreign firms which are carrying out their business in this country to donate free

some of the models so far as is possible for them. We have also written to the authorities of the foreign museums to send us models if it is possible. Besides, we have written to the foreign firms which are manufacturing these models to give us drawings and other blue-prints so that we can manufacture these models in our own workshops in this country.

C.S.I.R.

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*482. { Shri S. C. Samanta:
 { Shri Subodh Hasda:

Will the Minister of Education and Scientific Research be pleased to refer to the reply given to Starred Question No. 1343 on 30th August, 1957 and lay a statement on the Table showing:

(a) the names of foreign firms to whom new processes developed by the C.S.I.R. have been leased out;

(b) what are the amounts of royalties and premia that have been received by C.S.I.R. from those firms; and

(c) whether all the processes leased out to foreign firms are being utilised at present?

The Deputy Minister of Education and Scientific Research (Shri M. M. Das): (a) Dr. C. Otto & Co., Calcutta.

(b) Rs. 50,000 lump sum premium.

(c) The firm has not gone into production.

I may add that this firm was given lease to exploit this process invented by our Fuel Research Institute in Germany and other countries of Europe. So far as India is concerned, we have given the lease to another Indian firm for which we have received a premium of Rs. 25,000.

Shri S. C. Samanta: May I know the details of the process as given to the foreign firm?

Shri M. M. Das: The process is one of improvements in or relating to ion exchangers from coal, peat, lignite or the like (carbions), developed by the

Central Fuel Research Institute, Jealgora, Bihar, of the Council of Scientific and Industrial Research.

Shri S. C. Samanta: May I know why these foreign firms who have received the processes are not going into production?

Shri M. M. Das: I have already said that this foreign firm was given lease to exploit this invention in foreign countries, namely Europe. The firm is awaiting acceptance of the patent application in Germany before going into production of carbions in Europe. So far as India is concerned, another firm has already gone into production.

Shri Subodh Hasda: May I know the total number of processes invented by the national research laboratories and the total amount realised by leasing out such inventions?

Shri M. M. Das: Information regarding the total number of processes invented by all our research laboratories is not at my disposal at present. I think it will run into hundreds. The total premium we have received up till now by leasing out these processes is Rs. 4,42,027-11-1.

Technical Training in U.S.A.

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*482. { Shri S. C. Samanta:
 { Shri Barman:

Will the Minister of Education and Scientific Research be pleased to state:

(a) whether it is a fact that a number of Heads of Technical Institutions in this country were sent and are being sent to U.S.A. under the Technical Cooperation Mission programme;

(b) if so, the details thereof;

(c) whether the selection of these trainees to be sent has been completed; and

(d) if not, the probable date for selection and the number of trainees to be selected?

The Deputy Minister of Education and Scientific Research (Shri M. M. Das): (a) to (d). A statement is laid