Report and Accounts
Of
Bose Research Institute
1934

PROGRESS REPORT 1933-1934

Sir J. C. Bose made the following report on work of Bose Research Institute :—

The results of an extensive series of investigation carried out during the last year are in course of publication in Vol. VIII of the Transactions of the Institute. They relate to contributions that have been made in different branches of science, by the Director, the Staff and the Scholars, among which the following may be especially mentioned :—

1. General Review.
2. The differential effect of a particular vegetable extract in the elimination of certain fishes.
3. The effects of various stimuli on response of leaves.
4. The excitatory impulse in ordinary plants.
5. The effect of external stimulus on diametric growth of stems.
6. The automatic record of growth of roots and its induced variation by a new method of investigation.
7. Comparative study of the effect of drugs on rhythmic tissues of animal and plant.
8. Study of the action of certain drugs on different segments of the alimentary tract.
9. The significance of the presence of manganese in plants.
10. An organic principle in *Eupatorium Ayapana.*
11. Chemical examination of oils from leguminous pulses.
12. The Racial Affinities of the Mundas.
13. Interpretation of the absorption spectrum of Silver halides.
14. Absorption spectra of lead halide vapour.

BOSE INSTITUTE

Income and Expenditure Account

For the Year ended 31st March, 1934

INCOME

A. INCOME ON GOVERNMENT GRANT ACCOUNT.

	Rs. As. P.	Rs. As. P.
Amount of Grant from the Government of India for 1933-34		
For Research work (including) Govt. Pension of Sir J.C. Bose)	50,000-0-0	53,000-0-0
For Publication	3,000-0-0	

EXPENDITURE.

A. EXPENDITURE ON GOVERNMENT GRANT AC

	Rs. As. P.	
Scholarships and Allowances Sir J. C. Bose (including Government Pension of Rs. 6,600/-)	18,000/-	
Staff	40,487-5	
	58,487-5-0	
Wages of Mistries and Menials	3,337-1-3	
Provident Fund Contribution	1,606-8-0	
Laboratory Expenses	5,463-6-9	
Breakage of Apparatus	1,950-0-0	
Purchase of Physical Apparatus	6,500-8-0	

	Rs. As. P.	Rs. As. P.
B. Income on Trust Fund Account.		
Interest less Income Tax	44,425-6-4	
Dividend less Income Tax	1,242-9-6	
Refund of Income Tax	6,061-0-0	
House Rent	2,460-0-0	
Ground Rent	1,560-0-0	
	55,748-15-10	

	Rs. As. P,	Rs
Purchase of Books	2,715-9-0	
Purchase of Furniture	55-12-0	
General Charges (including Printing, Stationery, Gas, Telephone, Electric, etc.	2,504-12-0	
Travelling Expenses	664-4-3	
Rents, Rates and Taxes	3,329-4-3	
Repairs to Buildings	1,231-4-0	
Publication Expenses	3,215-12-0	91,061-6 6 *
Less Deficit transferred to Trust Fund Account as under		38,061-6-6
B. Expenditure on Trust Fund Account.		
Soholarship		1,392-0-0
Legal Expenses		140-0-0
Bank Charges		155 5-0
Taxes		285-7-0
Renewal Fees		9-0-0
Depreciation		11,869-13-0

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Less transfer for Physical and Biological Department Capital A/c	Rs. As. P.	Rs. As. P.	Deficit on Govt, Grant Aecount as above, written off 38,061-6 6 less Capital Expenditure transferred to Balance Sheet 9,271-13-0	Rs. As. P.	
	10,000-0-0	45,748-15-10		28,789-9-6	
			Balance carried to Balance Sheet		
		Rs. 98,748-15-10		Rs.	98,

Examined and found correct.
Sd. P. K. Ghosh,
B. Sc., R. A., F. S. A. A. (Lond.)
Incorporated Accountant Auditor

Central Bank Buildings,
100, Clive Street,
Calcutta.
The 18th April, 1934.

* N. B. As is evident from the above account, a sum of Rs. 38,051/6/6 had to be paid out of the Trust Fund the deficit on the Government Grant Account. The Trust Fund was created by the founder, Sir J. C. Bose, to en financial stability of the Institute. The condition laid down by him at the time of making over the Fun Governing Body of the Institute, was that the income from the Trust Fund should be accumulated until it to a capital amount of Rupees Twenty Lacs as has been previously reported to the Government of India on several o But inspite of that we have been sompelled to spend a very large proportion of the Trust Fund income as stated ab

A. N. Mitter
Superintendent, Bose Institute.

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BOSE INSTITUTE

Balance Sheet

As at 31st March, 1934

LIABILITIES.

	Rs. As. P.	Rs. As. P.
INVESTMENT DEPRECIATION FUND.		
As per last Balance Sheet		1,29,104-5-7
BUILDING REPAIRS FUND.		
As per last Balance Sheet		3,500-0-0
DONATIONS.		
As per last Balance Sheet		11,03,114-12-5

ASSETS.

FIXED ASSETS.	Rs. As. P.	Rs. As. P.
Land		
at Calcutta	1,50,000-00	
at Darjeeling	16,000-0-0	1,66,000-0-0
Buildings at cost less amounts written off		
at Calcutta	2,66,895-0-0	
at Darjeeling	25,417-0-0	
at Falta	46,096-0-0	3,38,408-0-0
Furniture at cost less amounts written off		8,919-0-0

	Rs. As. P.	Rs. As. P.
AMOUNT ACCUMULATED FOR TRUST FUND.		
As per last Balance Sheet (during 16 years, 1917-33)	4,25,171-15-10	
Add Balance of Income & Expenditure Account for 1933-34	3,107-13-4	4,28,279-13-2

		Rs. As. P.	Rs
Apparatus at cost less amounts written off		18,842-0-0	
Physical Department Apparatus less amount written off		5,850-0-0	
(There is a large number of highly specialised Instruments manufactured in the Institute, the value of which cannot now be determined and is not, therefore, included in above.)			
Books at cost less amounts written off		4,275-0-0	5 42,
FLOATING ASSETS.			
Investments (some at cost and others at face value)			
Rs. 1,08,800 3½% G. P. Notes	1,08,800- 0-0		
Rs. 7,90,400 3½% " "	5,51,652- 8-4		
Rs. 1,35,100 4% Loans	1,27,585- 1-0		
Rs. 70,000 4½% Loans	66,450-12-6		
Rs. 1,28,800 5% Loans & Bonds	1,28,537-8 5		
Rs. 48,000 6½% Treasury Bonds	49,165-13-4		

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	Rs. As. P.	Rs. As. P.
Physical & Biolosical Department		
Capital Account		10,000 0-0
Liabilities for Expenses		2,932-8-0
	Rs.	16,76,931-7-2

		Rs· As. P.	R
Rs. 20,000 $7\frac{1}{2}\%$ Birla Jute Manufacturing Co. Preference Shares		20 000· 0-0	
		10,52,241-11-7 *	
Loan on mortgage (Decreed)		33,124- 9-8	10,85,366-5-3
Interest accrued on Investments			10,172-14-4
House and Ground Rents outstanding			1,270-0-0
Deposit for supply of Electric current			50-0-0
Cash.			
Trust Fund A/c at Bank	33,827-14-7		
Establishment A/c in hand & at Bank	3,950- 5-0	37,778-3-7	11,
		Rs.	16,

I have examined the above Balance Sheet and beg to report that subject to the claim for the refund of Inc which has not yet been sanctioned, being taken into account, such Balanee Sheet is correctly stated according to of my information and the explanations given to me and as shown by the books of the Institute. I have als the Investments with the Bankers' safe custody receipts.

100, Clive Street, Calcutta
The 18th April, 1934.

Sd. P. K. Ghosh, B. Sc. R. A., F. S. A. A. (Lond.
Incorporated Accountant Auditor.

* N. B. The main source of income of the Trust Fund of the Institute is the Investments shown above. U possible to grdually increase the investments, the future stability of the Institute cannot be assured.

Sd. A. N. Mitter.
Superintendent, Bose Institute,

Minutes of the Proceedings of Annual Meeting of the Governing Body of the Bose Institite held on the 5th May 1934

PRESENT

Mr. J. N. Basu (in the chair)
Sir. J. C. Bose
Lady Abala Bose
Mr. K. C. Neogy
Dr. D. M. Bose
Mr. S. M. Bose
Sir. Nilratan Sircar
Dr. P. K. Acharya
Prof. N. C. Nag
Mr. A. N. Mitter

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Accounts for the year ending 31st March 1934 were laid on the table. Resolved that the same be adopted and passed.