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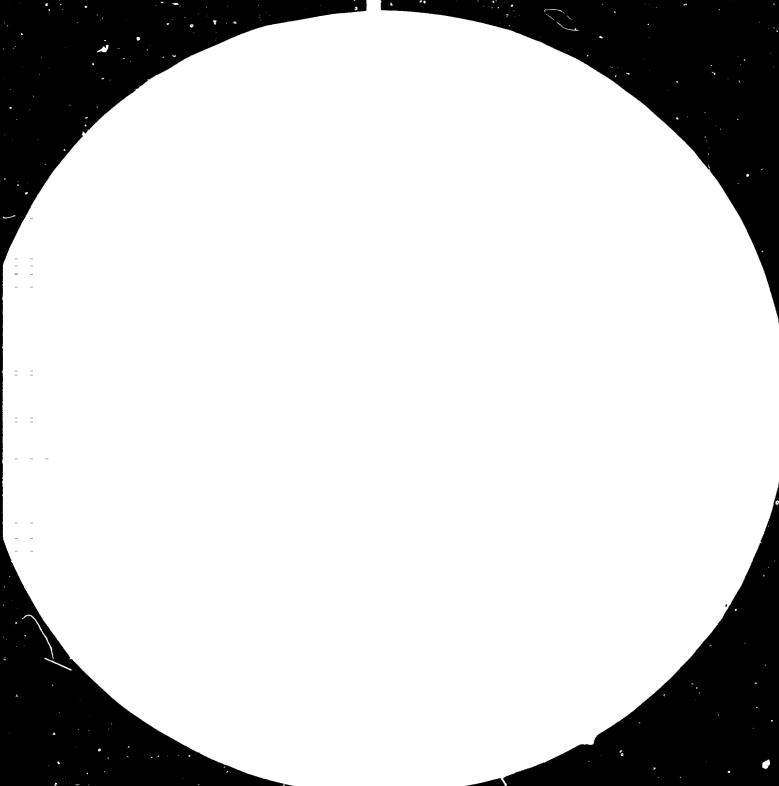
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United Nations Industrial Development Organization

High-Level Meeting on the Establishment of the International Centre for Genetic Engineering and Biotechnology

Belgrade, Yugoslavia, 13-17 December 1982

PROPOSED BUDGET OF THE INTERNATIONAL CENTRE FOR GENETIC ENGINEERING AND BIOTECHNOLOGY*

> prepared by the UNIDO Secretariat

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INTRODUCTION

1. The budget of the Centre had initially been proposed by the group of experts in their report on the Establishment of an International Centre for Genetic Engineering and Biotechnology $(ICGEB)^{1/}$ in November 1981. At that time the experts estimated a total budget of US dollars 38,518,000 of which US dollars 28,988,000 were foreseen to cover the operational costs including staff for the period of five years, and US dollars 9,530,000 for capital investment covering laboratory equipment, pilot plant and service workshops, etc. The report, however, excluded costs of land and buildings in the capital investment section, as this would be dependent on the location of the Centre. Moreover, it is expected that the government hosting the Centre would provide land and buildings as a basic element of its offer.

A. FIVE-YEAR BUDGET

Capital Investment

2. In this document Table 1 indicates the capital investment for the Centre's establishment. This portion of the budget remains at the same level as provided by the group of experts. In the meantime informal checking was made on the equipment prices with some suppliers who have confirmed that the estimates were of the right order of magnitude. Minor changes will, however, become necessary once a detailed construction plan for the Centre has been worked out.

Operational Costs

3. Costs of personnel and operational activities are reflected in Table 2. This part of the budget was elaborated by the group of experts on the basis of the work programme of the Centre. $\frac{2}{}$ The estimate of the total operational costs is now US dollars 34,711,000, covering a period

1/ See 'Establishment of an International Centre for Genetic Engineering and Biotechnology (ICGEB)' - Report of a Group of Experts, UNIDO/IS.254.

2/ See 'Fiv:-Year Work Programme of the International Centre for Genetic Engineeiing and Biotechnology', ID/WG.382/2. of five years. It has, however, to be noted that the calculations have been made in such a way as to allow for a gradual build-up of the Centre's activities, becoming fully operational in the third year. Costs of utilities and power requirements are not included in the estimates provided in Table 2, as such expenditure will depend on the location of the Centre and the nature of the offers made by host governments.

4. The increase in the initial estimation of US dollars 28,988,000 to US dollars 34,711,000 became necessary because the expenditure for laboratory and chemical materials only cover the requirements of the Centre for one year. Therefore it was considered necessary to revise the same and reflect the cost of such materials for the total period of five years. Other modifications had also to be made in regard to the cost of training. A higher number of man years of trainees was deemed necessary by the group of experts, to enable the Centre to accomodate 100 trainees, each for a period of two years. The document on the work programme of the Centre provides additional clarification in chis respect.³/

5. Classification and annual costs of established posts at the Centre are shown in Table 3. Staff cost will amount to US dollars 4,822,000 when the Centre is fully operational. It has to be noted that these costs are at the same level as originally proposed by the group of experts. However, the number of scientific and technological staff has now been increased to 50 scientists compared to the initial estimate of 30. The increase in research personnel was considered necessary in order to ensure an effective implementation of the work programme. $\frac{4}{2}$

6. It is envisaged that the budget of the Centre will be provided through a contribution by the host government of the Centre, annual contributions by all member governments and special purpose contributions for projects carried out within the Centre's work programme by member governments of the Centre, funding agencies, etc.

3/ Ibid. Section VI, 'Financial Requirements', pages 15 and 16. $\overline{4}$ / Ibid. page 16

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7. The Board of Governors of the Centre, when constituted, will be the authority to make modifications to the budget, as necessary, and also approve the annual budget and lay down budgetary procedures.

B. ACTION REQUIRED

8. The Meeting is requested to consider the proposed budget for the Centre taking into account financial requirements for all components for the Centre's work programme as presented in the "Five-Year Work Programme of the International Centre for Genetic Engineering and Biotechnology", ID/WG.382/2. The participating governments are requested to:

- (a) endorse and agree, in general, on the budget as presented in this document for the establishment and operation of the ICGEB;
- (b) indicate the levels of annual contribution by each member government and other additional contributions;
- (c) on the basis of the above, recommend the Centre's budget for a period of five years to the ministerial level meeting for its approval.

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Table l

ESTIMATES OF FIXED COSTS

FOR THE ESTABLISHMENT OF THE CENTRE

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		Thousand US
Laboratory Equipment a	and Materials	
(a) Molecular Biology	and Biochemistry Department	
- Nucleic analyst - Nucleic acid sy	is and sequence equipment is and sequencing equipment ynthesis equipment purification equipment	50 60 40 1,000
-	erials and other basic equipment ter-gas chromatography	1,150
Subtotal		2,600
(b) Microbiology and	Molecular Genetics Department	
lab equipment - Refrigeration e - Chemicals, mate - Media kitchen	physical containment laboratory level a equipment, thermostat shakers, etc. erials, glassware	150 50 200 50
- Electronic mic Subtotal	roscope	<u> </u>
(c) Advanced Biotechr	nology Department	
Pilot Plant		
- Fermentation Se	ection with data logging and	
full instrument	tation	3,800
	Disintegration to Scale Section	500
- Others	Refrigeration and Drying Section	200
Experimental e	quipment and expendable goods	150
Subtotal		4,650
(d) <u>Bio-informatics</u>	Department	
- Computer and to	erminals	150
	ing basic textbooks and journals	150
- Microfiche lab		25
- Miscellaneous (- Computer progra		10 25
Subtotal	-	360
	Carried for	ward 8,210

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Thousand US\$

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	Brought forward	8,210
(e)	General Service Department	
	- Mechanical and wood workshop equipment	120
	- Electrical workshop equipment	50
	- Materials and spare parts	50
	- Transportation	40
	- Office machinery and furniture	400
	- Conference equipment	60
	Subtotal	720
	Supporting Engineering Costs	(00
	(installation, trial, etc.)	600
	TOTAL	9,530

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OPERATIONAL COSTS FOR THE INITIAL FIVE YEARS

(THOUSAND US\$)

	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YFAR 5	TOTAL 5 YEARS
A. STAFF Management of the Centre	203	203	203	203	203	1,015
Scientific and Technological Staff	1,541.6	2,312.4	3,854	3,854	3,854	15,416
Supporting Personnel	306	459	765	765	765	3,060
Subtotal	2,050.6	2,974.4	4,822	4,822	4,822	19,491
B. OPERATIONAL ACTIVITIES Visiting Scientists	160	240	400	400	400	1,600
Expert Group Meetings	50	75	125	125	125	500
Advisory Services	150	225	375	375	375	1,500
Training 100 Researchers	450	675	1,125	1,125	1,125	4,500
Purchase of Chemicals and Spares	1 502	753	1,255	1,255	1,255	5,020
Information Material	75	112.5	187.5	187.5	187.5	750
Associateship	75	112.5	187.5	187.5	187.5	750
Miscellaneous (travel, to phone, telex, postage, etc.)	ele- 60	90	150	150	150	600
Subtotal	1,522.0	2,283.0	3,805.0	3,805.0	3,805.0	15,220
TOTAL	3,572.6	5,257.4	8.627.0	8,627.0	8,627.0	34,711

- Expenses for year 1 and 2 are 40 per cent and 60 per cent respectively of full operation.

- It is assumed that operating costs of utilities will be met by the host country.

Table 3

CLASSIFICATION OF ANNUAL COSTS OF ESTABLISHED POSTS AT THE INTERNATIONAL CENTRE FOR GENETIC LNGINEERING AND BIOTECHNOLOGY*

		(US\$ thousands)			
		Number	Annual Cost per post	AMOUNT	
I.	Management of the Centre :				
	Director	1	113	113	
	Deputy-Director	<u> </u>	90	90	
	Subtotal	2		203	
II.	Scientific and Technological Staff:				
	Senior Scientists	10	75	750	
	Junior Scientists	40	45	1,800	
	Post-doctoral Fellows	26	24	624	
	Technicians	40	1?	680	
	Subtotal	116		3,854	
111.	Supporting Personnel:				
	Clerical Personnel (secretaries, accountants, etc.)	12	14	168	
	Skilled Workers and Maintenance	10	20	200	
	Computer Expert	2	25	50	
	Manual Workers (15	12	180	
	Meeting and Trainee Secretary	2	17	34	
	Librarian	2	14	28	
	Other Personnel (telephone operator, driver, stock taker, etc.)	7		105	
	Subtotal Supporting Personnel	50		765	

TOTAL

4,822

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* Calculated on the basis of United Nations Vienna Salaries 1982. Figure: include gross salary, common staff costs and post adjustment.

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