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# United Nations Industrial Development Organization

# **Industrial Development Board**

Second Session

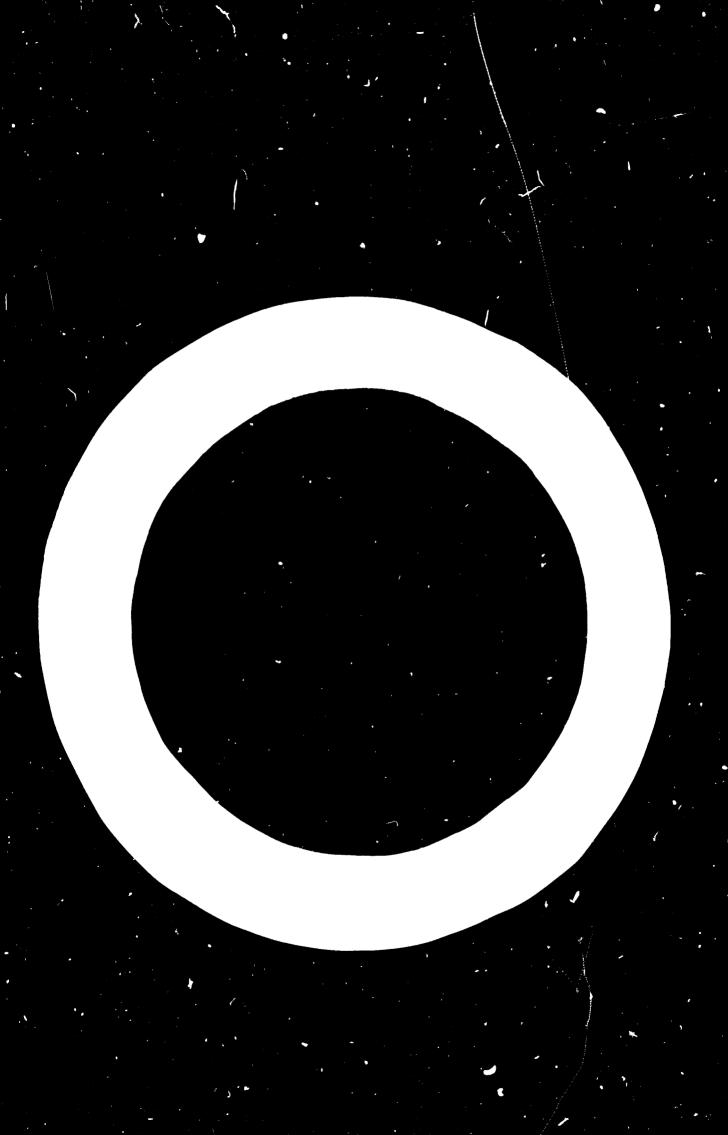
Vienna, 17 April - 14 May 1968

Agenda item 4

# PROGRAMME OF SPECIAL INDUSTRIAL SERVICES

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## Introduction

- 1. This report on the Special Industrial Services programme of technical assistance is submitted to the Industrial Development Board by the Executive Director of UNID for consideration by the Board at its second session.
- 2. The report represents the progress of work under the programme during 1967, and up-dates document ID/B/7 of 15 March 1967, which was submitted to the Board at its first session.

# Purposes and scope of the programme

- 3. The programme of Special Industrial Services (SIS) was proposed by the Secretary-General to the twentieth session of the General (seembly in response to a request made at the Economic and Social Council's thirty-ninth session in 1965, with the view to making available to Member States a broader range of technical issued ance services under accelerated and simplified procedures more adopted to the particular requirements of industrial projects. To meet these requirements ad hoc financing on a voluntary basis by Member States was provided for, the special contributions were made by several countries. (See Table 1 below).
- 4. The main purpose of the SIS programme is to provide specific and urgent assistance as may be required by developing countries to make 'elseble the financing and implementation of industrial projects. Such assistance in this is, for example, the solution of argent technical problems arising in connexion will the operation of existing plants and machinery on problems of flow of materians and quality install. Other assistance under this programme includes advice on obstantian as at independent and implementation of industrial projects. It is that consultations at a high policy level on matters related either to indicate and advice or find advice of industrial problems.
- assessment of viability and feasibility and the order of magnificate of investment and other resources required. Such assessments formula often in a short time the main elements of judgement required to embark or an industrial project without instead for a lengthy and more costly pre-investment survey and can also provide at early stage a clearer picture of additional assistance required. Missions are being carried out as appropriate by experienced staff members or initial consultants in the case of larger projects, through consulting firms.

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such assistance, since they are based on long-term advanced planning which is not possible in the above-mentioned cases.

# Heview of results and experiences obtained in the implementation of this programme

- The programme of Special Industrial Services began operations in 1966. Its scope and purposes were not immediately known by all countries and the volume of requests rose gradually from \$1",000 in May 1966 to a total of \$500,000 by the end of 1966. The number of requests for the same period increased from 4 to 77. In 1967, when the programme became more widely known, the increase was considerably higher. By the end of 1967, the volume of approved projects reached a total of nearly \$3 million; the cumulative total number of requests was 325. Requests have been received for assistance in a variety of sectors of industry, such as: the review of an industrial fire prevention code for industrial buildings; the establishment of a central dies and jigs workshop; the improvement of a production process in a protein production plant; the execution of tenders for the establishment of a rolling mill; a comprehensive market survey to serve for the possible establishment of an integrated steel mill; and many other projects dealing with a variety of aspects of industrial development.
- 8. A comprehensive list of requests received and approved since March 1966 appears in Annex 1. Experience in the implementation of this programme during the past two years has revealed that countries are more and more interested in obtaining short-term assistance in order to solve numerous day-by-day problems which show up in the process of developing industries. In accordance with the guidelines given by the Industrial Development floard at its first meeting in 1967, the UNIDC Secretariat has taken several measures to make this programme known to the developing countries such as consultations at country level through technical assistance experts and visits by staff members, consultations with country representatives at Headquarters, a printed information pamphlet and, ultimately, general discussions and individual consultations during the Athens Symposium.

# Practical difficulties for the delivery of the programme

- 9. Since the initial consultations at country level, UNIDO has become aware of the large potential of the Special Industrial Services to respond to the needs of the developing countries. But it has also become gradually apparent that the availability of experts required to satisfy such needs would become a factor which required special attention. The procedures for submitting, processing and approving requests were well thought out by the originators of the SIS programme and adapted to the needs of industry in the developing countries. What was overlooked, however, was the importance of having an equally flexible arrangement for recruiting the necessary experts to implement the programme.
- 10. In this connexion, experience has shown that requests of a very urgent nature can be processed and approved within approximately three weeks, while the recruitment of experts can take as much as six months to one year.
- 11. Consequently, while the promotion of the SIS programme produced a very large response from the developing countries, the delivery or implementation of the programme has often suffered delays which were incompatible with the nature of the programme. UNIDO has made all possible efforts to reduce the increasing implementation gap, particularly on the most urgent requests, and Headquarters staff has been utilized in many cases to carry out missions which would normally be entrusted to outside experts or consultants. (See Table 4 below.) It is evident that the existing rigid procedures for recruitment both within the United Mations and within the national institutions of countries providing experts' services such be urgently revised and adapted to the flexible procedures which exist for processing and approving the countries' requests under the SIS programme.
- 12. The following paragraphs outline the development, implementation and financial situation of the programme of Special Industrial Services from March 1967 to the end of December 1967. Information is also included in lesser detail and in cumulative form for the entire period since the inception of the programme in March 1966. since the details for this period were submitted to the Board at its first meeting in document ID/B/7. The over-all picture in the present document will allow the Industrial Development Board to obtain a comprehensive view of the evolution of the SIS programme.

# Pinancial status

13. Assistance under the programme is financed out of voluntary contributions put at the disposal of the Secretary-General in accordance with Rule 107.4, Reg. 7.3 of the United Nations Financial Rules and Regulations. The total amount of these contributions as of 31 December 1967 was \$7,254,447, made up of the following country contributions:

Contributions to the SIS Trust Fund as of 31 December 1966

(in US dollars)

Belgium	200,000
Federal Republic of Germany	1,997,680
Finland	50,000
Netherl ands	1,666,666
Sweden	500,000
United Kingdom	840,101
United States	2,000,000
Total	7,254,447

- 14. In the course of 1967, it became evident that a limited assessment of local costs should be imposed on recipient governments in order to be consistent with the Basic Standard Technical Assistance Agreement entered into with those governments. Effective 1 October 1967, therefore, an assessment at the rate of 12.5 per cent of the total costs of experts' assignments will be levied on countries receiving assistance under the programme. As no pre-planned country programmes for SIS are approved beforehand, it was decided that these local cost assessments be levied post facto at the end of the financial year covering all expert services provided during the balance of the year. The Administrator of UNDP has agreed that all sums collected from recipient countries through the Resident Representatives be paid into UNDP Contributions Accounts and subsequently transferred to the SIS Trust Fund account.
- 15. In its first report on the financial status of the programme (document ID/B/7 of 15 March 1967), the Secretariat indicated that the United States, at the time of and in addition to its contribution of \$2 million reserved the right to determine at a later date that up to \$2 million of its 1967 contributions pledged to UNDP be expended for Special Industrial Services. However, in a letter cated

- 19 December 1967, the United States representative on the Economic and Social Council advised the Secretary-General that the United States Government had decided not to specify any of its 1967 pledge of \$70 million to UNDP to be expended for Special Industrial Services.
- 16. About the same time that the United States decision was conveyed to the Secretary-General, the Governments of Belgium and Finland formally communicated to the Secretary-General their contribution of the sums of \$200,000 and \$50,000 respectively for use in Special Industrial Services.
- 17. The total programmed value as of 31 December 1967 for SIS projects from the inception of the programme amounted to \$3,667,285. This included the sum of \$2,951,785 earmarked for 195 projects (including exploratory missions) approved by the end of the year, plus \$715,500 earmarked for 29 additional projects approved by UNIDO for which UNDP concurrence was still pending. Actual commitments incurred in the implementation of approved projects by the end of 1967 totalled \$593,756 (provisional figure). The following table shows the monthly progression of cost of approved projects and obligations incurred in their implementation for the period March December 1967. (For March 1966 Feb. 1967 see ID/R/7, Table 2.)

Monthly Cumulative Cost of Approved Projects
and Obligations

(in US dollars)

	Cost of approved project and exploratory missions	
March 1967	990,165	-
April	1,071,815	-
May	1,128,473	-
June	1,228,825	-
July	1,607,175	-
August	1,695,775	<b>46</b> 9 <b>,</b> 9 <b>99</b>
September	2,551,175	-
October	2 <b>,65</b> 8,625	538 <b>,250</b>
November	2,848,325	-
December	2,951,785 (	provisional) 593,756

# Review of operations, March - December 1967

18. The number of requests received from interested governments for Special Industrial Service continued to increase throughout 1967. By end of 1967, 325 formal requests had been received, resulting in 195 approved projects, 29 pending UNDP concurrence, 26 transferred to other programmes, withdrawn by governments or rejected as unqualifying for SIS assistance, and 75 requests under processing at Headquarters. The table below gives a month-by-month breakdown of the number of requests received and those approved during the period under review.

Requests Received and Approved
March 1966 to December 1967

	Number of requests received	Number of requests approved under SIS
Total for March 1966 to February 1967	100	59
March 1967	12	14
April	25	10
May	21	10
June	55	11
July	17	25
August	37	9
September	28	25
October	10	11
November	11	12
December	9	9
Sub-total 1967	225	136
Cumulative total from inception of programme	125	105
to December 1967	325	195

19. The number of missions and assignments undertaken by experts recruited under the programme in response to these requests was 79 by the end of the year, with a total of 183 man-months of field activity (including 169 man-months during 1967). These figures do not include missions undertaken by Secretariat staff, including staff

from the United Nations and FAC, of which there had been 70 by the end of the year representing 46 man-months of field activity (including 36 man-months in 1963). The following table shows the countries from which experts engaged on these missions were recruited as well as the countries of origin of the Secretariat staff members who went out on SIS missions. In addition, consulting firms from India, Sweden and the United Kingdom have been engaged under the programme.

Country of origin of experts and UNIDO staff engaged on SIS missions from inception of programme to 31 December 1967

	Number of missions and	
	experts	Number of missions by UNIDO staff members
Argentina	-	1
Austria	2	-
Belgium	-	4
Brazil	2	-
Canada	3	-
Ceylon	-	3
China	1	-
Czechoslovakia	2	1
Co <b>lombia</b>	-	1
Denmark	1	-
France	4	2
Germany (Fed. Rep.	of) 3	-
Greece	-	2
ho <b>nduras</b>	-	1
India	4	22
Iran	-	5
Iraq	ì	_
Israel	1	1
Italy	4	-
Japan	-	1
Korea	1	-
Netherlands	1	1
Pakistan	1	-
Peru	_	4
Sudan	-	ì
Sweden	4	2
UAR	ì	)
UK	8	3
USA	28	15
USSR	1	ĺ
Yugoslavia	6	7
Total	79	79

Processions have been in diverse fields of industry and have covered practically all aspects of technical assistance envisaged under the terms and purposes of the programme. Expert missions have assisted in technical and feasibility studies relative to the preparation for an establishment of industrial plants, in advising on the practical needs in implementation of projects during the post-feasibility stage and until appropriate financing has been assured, and in attending to various problems of existing industries of technical, managerial or marketing nature. Assistance has been rendered in such industrial fields as metallurgy, fertilizers, pulp and paper, textiles, cement, food processing and mechanical and electrical engineering. Table 5 below shows a breakdown of approved projects by industrial sectors.

Number and value of approved SIS projects, by industrial sector from inception of the programme to 31 December 1967

Ind	ustrial sector	Number of approved projects	Value (in US dollars)
1.	Mechanical and electrical engineering industries	14	220 650
2.	Metallurgical industries	20	239,650
3.	Construction and building	20	319,810
,,	materials industries	11	85,260
4.	Chemicals, petrochemicals and synthetics; insecticides and pesticides, pharmaceuticals and other related industries	28	322,620
5.	Fertilizer industries	14	187,375
6.	Light industries	38	496,900
7.	Industrial legislations; patents and licensing	- -	-
8.	Industrial research; standardization; and quality control	3	4,800
9.	Industrial consulting services; organization and administrative machinery for industrial development	5	92,000
10.	Industrial management and industrial training	15	684,400
11.	Special problems and institutions of small-scale industry including industrial estates	15	170,150
12.	Industrial programming and projects	24	235,970
13.	Industrial policies and industrial financing	6	58,450
14.	Promotion of exports of manufactures and semi-manufactures	2	54,500
15.	General research projects established as continuing activities	-	-
	Total	195	2,951,785
	TO ART	¥7 <i>)</i>	

#### Conclusion

- 21. In spite of the existing implementation gap, it can be said that the programme of Special Industrial Services has constituted a v.al source for UNIDO in extending its operational field activities. Without the funds which have been contributed on an ad hoc basis for this special programme so well adapted to industry, UNIDO's contribution in 1967 and 1968 in providing new and unforeseen assistance within the United Nations family in the field of industry would have suffered delays at least until 1969 when under the new programme exercise of the United Nations Development Programme new resources which were not already committed at the time may be provided. It should be recalled here that UNIDO took over in July 1967 projects under the United Nations Regular Programme of Technical Assistance, and the Technical Assistance and Special Fund components of the UNDF, which were programmed without UNIDO's participation since these programmes were established prior to 1 January 1967.
- 22. The programme of Special Industrial Services was therefore in 1967 and will be in 1968 utilized to fill a vacuum which resulted between the growing and unforeseen needs of the developing countries in the field of industry and the limited number of projects included among other fields of development without full regard to the true needs existing in this important sector. Hence, the SIS programme has permitted UNIDO to supplement in 1967 such urgent needs which were either latent or developed during that year and will continue in 1968 to supplement the obviously insufficiently covered needs within the Regular Programme and the technical assistance component. The programme has helped to bridge a serious gap in technical assistance to industry and has assisted in solving its most urgent needs.
- 23. In 1969 and subsequent years the programme will continue as heretofore to render urgent short-term assistance to industry which cannot be anticipated beforehand or pre-determined by either governments or industry and will therefore have to be handled outside the formal procedures of other United Nations programmes. The immediate and growing response it has evoked among developing countries during these first two years of its existence has vindicated the very reasons and purposes which prompted the establishment of the programme.

ANNEX 1 Summary of Projects Financed under the UNIDO Programme of Special Industrial Services

Table 1 Summary of estimated cost and commitments by geographical regions

	Estimated cost	as of 31/12/67	Total commit-
	exploratory work	approved projects	ments incurred as of 30/11/67
	\$	\$	*
Exploratory Missions	9,000	14,410	15,493
Interregional Projects	-	<b>5,5</b> 00	5,439
Africa	16,585	1,698,790	287,434
The Americas	9 <b>,65</b> 0	382,800	85,062
Asia and Far East	9,910	513,400	85,443
Europe and Middle East	5,190	286,550	76,659
Total	50,335	2,901,450	555,590
	-		

Total (estimated cost) 2,951,785

a/ Exploratory or promotional activities undertaken directly by UNIDO.

Table 2 Exploratory missions to more than one country and interregional project

UMIDO No		Estimated cost	as of 31/12/67	Total commit- ments incurred
Explorator	ry missions		approved projects	as of 30/11/67
66/18	Central America (completed Sept.1966)		7,000	2,414
66/21	Iran, Turkey (completed Oct.1966)	4,000		2,924
<b>66/</b> 23	Chana, Nigeria (completed May 1966)		7,410	6,777
66/25	Cyprus, Greece, Malta, Somalia (completed Oct.1966)	2,300		1,992
67/75	China, Malaysia (completed March 1967	7) 550		
67/92	Ceylon, Pakistan (completed April 196	7) 400		336
67/194	Ceylon, Nepal (completed Nov. 1967)	1,000		1,050
67/196	Iran, Singapore (completed Nov. 1967)	<u>750</u>		
	Total	9,000	14,410	<b>15,49</b> 3

Interreg	rional project	Estimated projects	cost of approval as of 31/12/67	Total commitments incurred as of 30/11/67
67 <b>/</b> 99	In-plant training text industries in Poland (completed Oct. 1967)		5,500	5 <b>,499</b>

Country Projects, by region

											Annex 3	ĺ	
Total commitments incurred as of 30/1/67	601									18,714	5,141		
Estimated cost as of 31/12/67 approved work schools approved broisets		14,000	14,000	14,000	14,000	24,000	000.6	2,000	7,000	32,000	14,000	25,000	26,000
Retimated cost exploratory work	8												
Project	Resctivation of industries (exploratory phase) (completed Aug.1966)	Mecuit factories	Caming and food processing	Classics industry	Leek factory	Mational Investment Corporation	Assistance to vegetable oil industry	Pineapple centing	Marble project	Industrial projects studies (under implementation)	Ethiopian Investment Corporation (under implementation)	Hides and skins project	Mational Coffee Board
<b>5</b> 3	•	•	9,	• •	e E	E 02.	(B)	(B)	ì	opie	e pdo	Pthi opia	Publopda
AFRICA	Algeria	Algerie	Algeria	Algeria	Algerie	Cameroon	67/151 COM-M-1 Compo (B)	67/171 COM-B-3 Comps (B)	67/155 DAMO-1 Debomey	Stal opia	Fthi opie		Ž

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		Estima explo	Estimated cost as of 31/12/67 exploratory	Total commitments incurred as of
UNIDO No.	AFRICA	Project	WOIK DECISION S	
67/107 ETH-5	Ethiopia	National Meat Corporation (completed September 1967)	2,500	1,178
66/1 GHA-1	Chana	State Match Corporation (completed July 1967)	10,000	øl
66/2 GHA-2	Ghana	Fibre Bag Manufacturing Corporation (under implementation)	101,000	34,335
66/3 GHA-3	Ghana	State Enterprises Secretariat (S.E.S.) (completed Oct.1966)	10,500	7,645
66/4 GHA-4	Ghana	Paper Conversion Corporation (completed March 1967)	11,000	12,112
67/163 GHA-5	Ghana	Re-organization of S.E.S.	384,000	
67/186 QUI-1	Gui nea	Quality control laboratory	10,600	
67/187 GUI-2	Guinea	Cotton ginning pilot plant	9,000 9,000	
67/197 JUI-3	Guinea	Fertilizer project	4,000	
66/22 IVCO-1	Ivory Coast	Paper mill (investigatory mission) (completed May 1967)	3,000	1,834
67/122 KEN-1	Kenya	Industrial uses of maire	10,000	
67/123 KEN-2	Kenya	Industrial estate - Nairobi (Common facility centre)	24,000	

Financed from other funds.

# Table 3 (continued)

_											Anne	5 5	nuu • 1	
Total commitments incurred as of 30/1/67				111,400	1,180		1,913			1,679			528	
Estimated cost as of 31/12/67 exploratory approved work projects \$	2,000	3,000	15,000	110,000	30,000	3,600	1,800	28,000	7,000	1,500	4,000	005,00		
Estimated o exploratory work 8													30	
Project	Castor oil factory	Caustic soda, sulphuric acid	Textile study	Study for steel project (completed January 1967)	Advisory services for steel project (under implementation)	Steel project fellowship	Small-scale industries (com- pleted September 1967)	Adviser for steel project co-ordinating unit	"Somabri" Brickworks	Industrial investment promotion (completed October 1967)	Industrial estate - pre- investment survey	Vegetable oil project	Bureau of Industrial Promotion and Development (completed October 1967)	
AFRICA	Kenya	Kenya	Kenya	LIEC-1 Liberia	LIEE-2 Liberia	LIEE-3 Liberia	LIEE-4 liberia	67/133 LIEE-5 Liberia	MAA-1 Madagascar	MAA-2 Madagascar	MAA-3 Madagescar	Madagascar	Madagascar	
	KEN-3	KEN-4	MEN-5	LIBE-1	LIBE-2	LI RE-3	1.IBE-4	LIBE-5	MA.A-1			KAA-4	KAA-5	
UNIDO No.	67/124 KEN-3 Kenya	67/126	151/19	92/99	67/64	12/19	67/110	67/133	67/128	67/148	61/149	67/154	091/19	

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			Estimated cost as of 31/12/67	of 31/12/67	Total commitments
UNIDO No.	AFRICA	Froject	exploratory work 5	projects	19
67/192 MAA-6	Madagascar	Nitrogen fertilizer project		4,000	
66/32 MLW-1	Malawi	Brewery project (exploratory work) (completed October 1966)	) 150		163
66/44 MLW-2	Malawi	Advisory mission (completed January 1967)	1,060		2,833
66/45 MLM-3	Malani	Industrial estates (completed January 1967)		1,200	1,404
67/179 MLW-4	Malawi	Small-scale industries		24,000	
67/167 MAI I-2	2 Mali	Industrial development programme (under implementation)		72,000	6,652
67/183 MALI-3	3 Mali	Meat processing industry		13,000	
67/137 MAR-1	Mauritius	Integrated textile mill		2,000	
67/138 MAR-2	Mauritius	Sack factory		19,000	
67/190 NAR-3	Mauritius	Industrial Prometion Centre (completed Cetober 1967)	1,600		1,227
67/66 MOR-1	Morocco	Investigatory mission for metal industry (completed March 1967)	850		810
67/69 MOR-2	Morocco	Fish protein consulting engineering services		28,000	

67/82 NOR-3 Norocco	Project	exploratory approved work projects	ved incurred as out $30/1/67$
			•
	pre-project phase (incl. costs for freezing, sampling etc.) (completed May 1967)	2,900	4,035
67/121 NIGER-1 Niger	Tannery industry (completed January 1968)	5,300	90 4,369
67/7 NIG-2 Nigeria	ia Banchi Meat Projects Co. (completed November 1966)	008*9	90 6,104
55/10 NIG-4 Nigeria	Market study on iron and steel (completed June 1967)	10,000	6,129
66/11 MG-5 Wigeria 66/19 MG-6	Nigerian Paper Mills (i) advise on management contract (ii) investigatory work (completed December 1966)	14,550	50 4,40E
67/91 NIG-7 Nigeria	ia Bauchi Meat Products Co. (neg. for management contract) (completed May 1967)	. 002	150
67/181 RWA-1 Rwanda	a Cement plant (under implementation)	11,960	69,7
67/184 SEM-1 Senegal	al Thies Industrial Estate	32,200	2
67/191 SEN-2 Senegal	al Aluminium foundry shop	2β,600	8
67/140 SOM-3 Somalia	ia Food processing	1,200	2

Table 3 (continued)	nued)				8
			Estimated cost as of 31/12/67 exploratory	31/12/67 approved	Total commitments incurred as of
UNIDO NO.	AFRICA	Project		projects \$	30/1/6/
67/215 SOM-4	Somalia	Electricity service		8,000	
66/13 SUD-1	Su <b>dan</b>	Cardboard factory (exploratory work) (completed August 1966)	300		236
67/27 SUD-2	Suden	Small-scale industries (exploratory work) (com- pleted November 1966)	200		470
6-dus 09/19	Sudan	Public sector industries		10,000	
67/61 SUD-4	Sudan	Textile production (completed December 1967)		000,9	5,312
67/103 SUD-6	Su <b>den</b>	Fertilizer industries (exploratory) (completed May 1967)	1,250		1,095
67/166 TOGO-1	Togo	Cassava agro-industr. complex		14,000	
66/33 TUN-1	Tunisia	Ateliers Mécaniques du Sahel (completed November 1967)		14,000	4,874
67/67 TUN-2	Tunisia	Gypsum utilization (completed October 1967)		4,000	1,620
67/73 TUN-3	Tunista	Processing of oil seeds		4,000	
67/74 TUN-4	Tunisia	Société de Fondérie et de Mécanique		14,000	
67/224 TUN-6	Tunisia	Investment promotion		2,500	

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Total commitments incurred as of		3,01	0,570	275	2,148	7,500			2,615			65	1,119
Estimated cost as of 31/12/67 exploratory	projecte	5,000	10,580		4,500	7,500	000'9	3,700	57,200	4,000	4,000		110,000
Estimated cos	work \$			275								150	
	Project	Pulp and paper industry (1st phase) (completed September 1967)	Edfu Paper Mill (completed June 1966)	Fertiliser industry (exploratory work) (completed August 1966)	Bromine extraction (completed May 1967)	Chlorine utilization (completed March 1967)	Phosphorous complex	Ures and semonium sulphate	Edfu Paper Mill (Team of experts) (under implementation)	Cotton textile laboratory	Vensprint plant	Black sands project (exploratory) (completed July 196")	Chlorine consuming pilot unit (let phase)
	AFRICA	Uganda	UAR	U <b>AR</b>	UAR	UAR	UAR	ey n	UAR	UAR	UAR	<b>4</b>	U.A.R
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			Estimated cost as of 31/12/67		Total commitments
UNIDO No.	VRICA	Project	exploratory work \$	approved projects	incurred as of 30/1/67
67/223 UAR-12 UAR	UAR	rganic chemical industries		5,000	
67/234 UAR-16	0 <b>AR</b>	Black sands project investigatery mission)		15,000	
67/156 ZAN-1	2 <b></b>	Mamufacturing and processing industries in rura, areas		28,000	
67/164 ZAN-3	2mbia	Metal-working and engineering industries		15,000	
67/158 BCA-1	BCA(Biger)	Small-scale industries (ECA reg. office Niesey)	<b>0</b> \$7.		
67/199 DAK/ TCGC-1	Dahomey and Togo	Industrial co-operation and promotion		20,000	
		Total Africa	16,585	1,698,790	267,434

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UNIDO No. 67/203 ARG-1	ARG-1	THE AMERICAS	Project Soda ash factory (completed December 1967) THET (Rood technology)	Estimated cost as of 31/12/67 exploratory approved work \$ projects \$ \$ 10,000	approved projects \$ 10,000	Total commitments incurred as of 30/1/67
67/206 ARG-2 67/207 ARG-3	ARG-3	Argentina Argentina	Textile industrial development	<b>•</b>	24,000	
67/127 ROL—1	F0[_1	Bolivia	Mission on industrial development (exploratory) (completed August 1967)	1	18,700	17,613
67/147	67/147 BRA-1	Brasil	Mission on industrial development (exploratory) (completed August 1967)	5,250		6,312
67/226	67/226 FRA-2	Brasil	Small and medium sised ind. in Aratu Ind. Zone		3,000	
8/99	66/8 CHI-1	Chile	Engineering industries (completed July 1967)		45,900	34,408
<i>61/</i> 77	67/77 <b>DOK-1</b>	Dominican Republic	Building materials factories (exploratory) completed April 1967)	650		365
67/146	67/146 DON-2	Dominican Republic	Rehabilitation of bagasse building boards factory		20,000	
61/19	67/169 DOM-3	Dominican Republic	IDC-Ind. Engineer/Economist		24,000	
61/17	67/170 DOK-4	Dominican Republic	IDC - Market Analyst		24,000	
61/50	67/205 0016-5	Dominican Republic	IDC - Food Engineer		<b>24,</b> 000	
86/19	1-400 BCU4-1	Boundor	Processing of narenjills fruit	.‡ 750		

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Table 3 (continued)	med)			137,04	12 12 12 12 12 12 12 12 12 12 12 12 12 1
			d cost as of	11/12/01 pproved	incurred as of
UNIDO No.	THE MERICAS	Project	Alon Alon	\$ 0.70	•
67 /101 BCUA-2	Ecuador	Industrial estates projects	14	14,000	
67/102 ECUA-3	Ecuador	Survey on engineering industries (completed June 1967)	•	1,200	3,101
67/150 GUA-1	Gustemsla	Reorganization of the Production Development Institute	•	5,700	
67/68 JUYA-1	Guy ana	Exploratory mission (completed March 1967)	250		
67/213 GUYA-2 Guyana	Cuyana	National Standards Organization	•	2,200	
67/153 JAK-1	Jameica	Things Jamaican	4	<b>3</b>	
67/132 MEX-1	Mexico	Guidelines for Economic Policies in the Manufacturing Industries (under implementa-		21,000	10,196
(-47/W 001/27	Nicaregua	tion) Petrochemical Proj. (ICAITI)		7,600	
67/95 PERU-1		Bagasse utilisation (exploratory) (completed June 1967)	tory) 1,700	6	1,527
67/161 PERU-2	Peru	Bagasse util. plant Textile industry		15,000	
66/39 TRTO-1		Study on furfural (completed March 1967)		7,500	6,819
67/87 TRTO-2		Industrial standardisation (completed November 1967)		2,000	1,801

Table 3 (continued)

UNIDO No.	THE ANGRICAS	Project	Estimated cost as of 31/12/67 exploratory approved projects sork	of 31/12/67 approved projects	Total commitments incurred as of \$20/1/67
67/90 TRTO-3 Trinidad	Trinided and Tobego	Food processing (exploratory)	950		
67/168 VEH-1	Veneruela	Exploratory mission (completed Movember 1967)	100		
		Total the Americas	9,650	382,800	85,062

UNIDO No.	ASIA AND FAR EAST	Project	Estimated cost as of 31/12/67 exploratory approved work projects	Total commitments by incurred as of 30/1/67
				<b>~</b>
67/125 AFGHA-1 Afghamistan	Afghanistan	Match industry	9,000	
67/178 CET-1	Ceylon	Parathan Chemical Corporation	8,000	
67/216 CET-2	Ceylon	Textile industry	10,000	
67/84 CHIWA-1 China	China	Electronics industry (completed October 1967)	7,500	7,448
67/104 CHIMA-2 China	Chine	Technological improvements	15,000	
67/111 CHINA-3 China	China	Industrial executive development of consultation	ent 40,000	
67/116 CHINA-4 China	China	Promotion of export-oriented industries	19,500	
67/118 CHIWA-5 Chima	China	Plastic rew materials (completed January 1968)	8,000	
67/119 CHIMA-6 China	China	Melamine manufacturing process	5,000	
67/120 CHIMA-7 China	China	Synthetic fibres	15,000	
67/182 CHIMA-8 China	China	Refractory meterials	15,000	
1-000 11/99	India	Footwear plant	32,000	
66/37 IND-2	India	Mission on export production (completed March 1967)	35, 000	37,555
67/172 INDO-1	Indonesia	Salt industry	2,500	
67/173 INDO-2	Indonesia	Sulphur industry	2,500	
67/174 INDO-3	Indonesia	Spinaing mills	20,000	
67/175 INDO-4	Indonesia	Shipyards	000,05	
67/176 INDO-5	Indonesta	Metal-working industry	000,009	
57/117 mmo-6	Indonesia	Paper mills	40,000	

# Table 3 (continued)

UNITED No.	હો	ASIA AID PAR EAST	Project	exploratory approved work pro jects	approved pro jects	incurred so of 30/1/67
67/214 DFDO-7	11110-7	Indonesia	Steel plant project (under implementation)	•	3.50	•
66/34 IRAE-2	1144-2	i ri	Engineering plant, Tabris (exploratory work) (completed Hovember 1966)	150		
04/40	TRAKE.	Iren	Tabris - investigatory mission (completed December 1966)		3,500	
66/41	TRAFT	Ire	Iron and steel plant - Isfahan (exploratory work) (completed December 1966)		3, 125	1,621
62/19	TRAFF	Liven	Railroad workshop		9,000	
67/81	TRAE	I i	Direct reduction of iron ore (explorator misuton) (completed May 1967)	ed 2,200		854
16/19	IRABL8	In	Food industries (completed July 1967)	1,400		1,114
901/19	67/106 IRAE-9	Iren	Iron ore reduction project (completed July 1967)	091		
67,108	6",108 IRAH-10 Iran	Internal	Menufacture of metal products (exploratory) (completed June 1967)	2,000		1,106
or/99	KOH-1	Korea	Steel project i) exploratory work (completed Ortober 1966)	~~~		
66/43	KOB-2	Koree	ii) investigatory mission (com-	<b>~</b>	18,175	8,404
67/72	<b>E08</b> -3	Kores	Steel project (completed June 1967)	~~		

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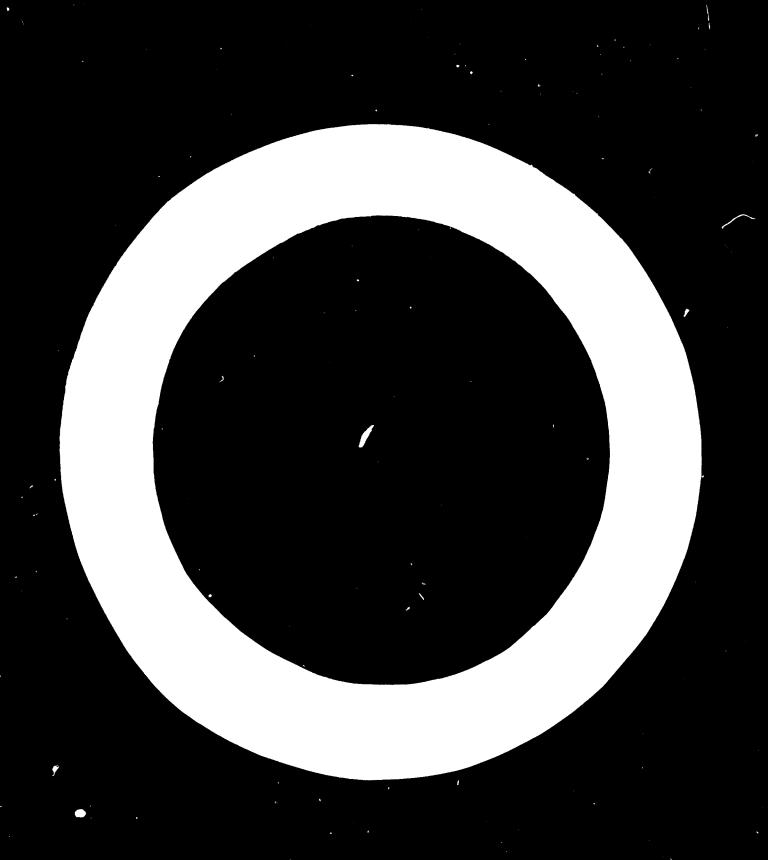
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UNIDO No.	ASIA AND FAR EAST	Project	Estimated cost as of 31/12/67 exploratory approved work projects		Total commitments of incurred as of 30/1/67
67/113 MAL-2	Malaysia	Textile market study (under implementation)		15,000	2,183
67/71 NEK-1	Mekong Committee	Industrial development - Lower Mekong Basin (completed August 1967)		16,500	14, 395
66/38 PHI-1	Philippines	Integrated Iron and Steel Mill (completed February 1967)		2,600	1,621
67/193 PHI-2	Philippines	Industrial Survey Mission (exploratory) (completed October 1967)	4,000		3,802
67/129 SING-1	-1 Singapore	Industrial fire safety		15,000	
67/130 SING-2		Industrial (trade) effluents		15,000	
67/239 SING-3		Economic Development Board		15,000	
67/62 THA-2	2 Thailand	Sugar industries (completed Tune 1967)		9,000	5,340
66/35 THA-1	1 Thailand	Industrial estates		30,000	
		Total Asia and Par East	9,910	513,400	85,443

Table 3 (continued)

					- 1 - 1	•	
UNIDO No.	- SE	KUROPE AND MUDDLE EAST	Project	Estimated cost as of 31/12/67 exploratory approved work projects	approved projects	Total complement incurred as of 30/1/67	
91/99	1-61108 9c/99	Bulgaria	Institute for instruments design 1) exploratory work (com-	:		;	
67/20	BULG-2	Bulgaria	pleted September 1966) ii) advisory services	8	51,000	313 89	
66/14	66/14 CTP-1	Cyprus	Fertiliser industries: i) exploratory phase (com-)				
92/99	CYP-3	Cyprus	pleted August 1900) ii) feasibility study (com-) pleted December 1966) )		1,650	1,650	
66/15	CTP-2	Cyprus	Paper mill (exploratory work) (completed July 1966)	1,640		1,467	
66/46	CTP_4	Cyprus	Saw mill (completed October 1967)		4,850	4,097	
66/47	CTP-5	Cyperus	Industrial estates (completed August 1967)		9,000	3,875	
66/48	CTP-5	Cyprus	Asbestos pipe plant		4,000		
02/99	GRE-1	Greece	Industrial estates (exploratory) (completed October 1966)	700		488	
67/240	67/240 GRE-2	Greece	Exploratory mission (project implementation and follow-up) (completed December 1967)	300			
£11/29	1-301 Stt/29	Iceland	Sodium mulphate project (completed July 1967)	550		464 Bad	Ani De l
67/52	67/52 ISR-1	Israel	Metal-working industries (completed October 1967)		71,000	36,911	nex 1 ge 17
66/12	66/12 JOR-1	Jordan	Steel rolling mill (under implementation)		47,000	13,944	

Table 3 (continued)	(penu	Esti	ost as of		Total commitments of incurred as of
UNIDO No.	EUROPE AND MIDDLE EAST	Project	exploratory appropriate to the state of the		30/1/67
67/100 MALTA-1 Malta	Malta	Factory building materials and methods (completed November 1967)	1,8	1,800	1,520
6-/204 SYR-1	Syria	Fertilizer project (exploratory) (completed October 1967)	500		200
67/51 TUR-1	Turkey	Fertilizer project (evaluation of tenders)	40,	40,000	
67/55 TUR-2	Turkey	Cement factories (under implementation)	19,	19,000	5,866
67/76 TUR-3	Turkey	Paper industry (completed July 1967)	6,	6,750	4,715
67/195 TUR-4	Turkey	Iron and steel project Berite grinding ore mill	4	4,500	
67/212 10R-9 67/245 TUR-9	Turkey	Brignettes from Lignite (under implementation)	•	14,000	
1-000¥ 211/-9	l Yugoslavia	Industrial estates projects (exploratory mission) (completed July 1967)	200		205
67/202 YUGO-	67/202 YUGO-2 Yugoslavia	Industrial management project (exploratory mission) (completed October 1967)	89		555
		Total Europe and Middle East	5,190 286	286, 550	76,659

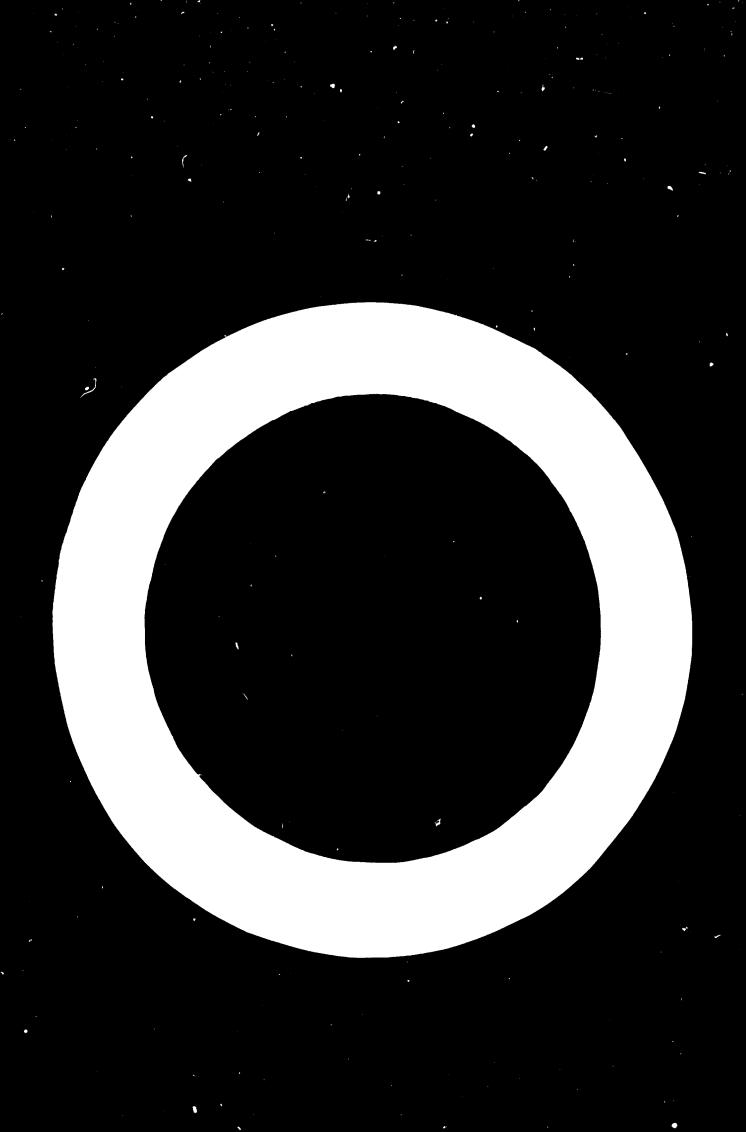
Total Europe and Middle East



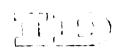
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United Nations Industrial Development Organization

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# Industrial Development Board

To rideosir Voanni, 17 April + 14 May 1971 Azenda item 1

# PROGRAMME OF SERVIAL DEPOSIT HAT VERY EX

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