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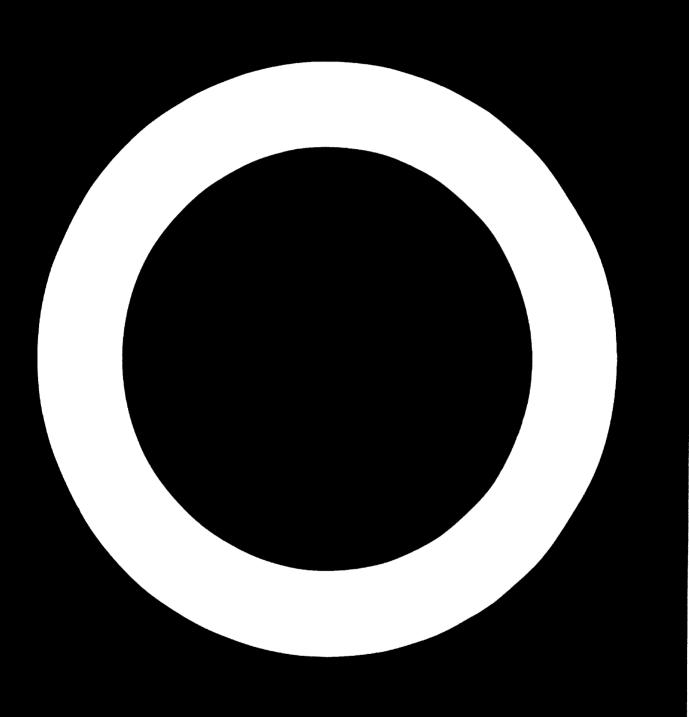
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### SUMMA OF CERTIFIED CO. AND COLOR MENTAL 1015

- 1. The objectives as set forth in the rights! Plan of Gerate's were appropriate.
- 2. The Project fixed many install delays in implementation, sensed both by the Executing Agency and the Government, is ding to invisent est of the selection. It has by now achieved most of the objectives set forth in the clam of operation.
- 3. The UNOP inputs were in line with the needs of the Government.
- 4. Government imputs exceeded, by far, the committments foreseen in the early stages of Phase 1.
- staff and has, in addition, recruited expatriate staff and each to sut of its own budget. It is a well orguized and relatively efficient institution. Consequently, it is held in high regard and is being relied on by other organizations and ministries in the country.
- 6. The Project Document for Phase II was found to hearally respond to the new of the situation. Modifications were necessary in order to better reflect the new tasks of the ISDC. The level of funding was maintained but the duration of Phase II was reduced from 3 years to 2 1/2 years, beginning 1 August 1974.
- 7. It is therefore recommended that the Phase II Document, which has been revised by the Mission and agreed to by the various interested parties, be approved as expeditiously as possible so that there is no need for yet an Jora amendment or extension of Phase I.
- 8. However, the Mission feels that it is imperative that a Project Manager be engaged at the earliest possible moment and that any additional experts, beyond those authorized for the completion of Phase 1, should only be received after the government has selected the new Project Manager, who was to have taken over the Project on 16 April 1974.

#### INTRODUCTION

- 9. The Ministry of Commerce and Industry of the Kia force and article requested, in imparty less, is I came for the establishment as a course, a craw Industrial Studies, Services and Development Instit te. The request was equal to by the Governing Course of the Special Landin June 1905. The Hance perstron was opened on 1. February 1966 and the project be use operational on 1 March 1966. The statutes estable him the incustrial stages and accessions. Centre (ISOC) were promulated on 5 March 1967.
- 10. The original duration of the project of three years of Morch 1900 28 February 1909) was extended to the end of 1909 under Adjustment Advice No. 1 and to the end of 1970 where Adjustment Advice No. 2. From them on the project was originally to continue under Amendment No. 1 until the end of 1973. Two revisions extended the project until 31 July 1974.
- 10a. A draft Project Document had been prenared by the Project Manager in close consultation with the management of the ISBC asking for a continuation of assistance for an additional three years beginning I Januar 1974. This draft document was forwarded to the Frecuting Agency (UN100) on 7 October 1973 requesting that a UNDP/UNIO Mission be sent to Riyadh to review the work accomplished up to the present and to assess the overall validity of the continuation of the Project as reflected in the draft project document for Phase II. For the complete text of the terms of reference, see ANNEX I.
- 11. The Mission, consisting of Professor Lee Nehrt, Consultant representing UNDP, and Mr. Werner Behrens, representing UNIDO, stayed in Riyadh from 1 to 12 April 1974 (with the exception of 8 April 1974, when it had consultations in Jeddah). On 2 and 3 April the Mission was assisted by Mr. Abdalla Abdelwahab, UNIDO Senior Industrial Development Field Advisor. Interviews were held with the key individuals in each of the institutions which, along with the Industrial Studies and Development Centre, are concerned with the industrialization process of the Kingdom of Saudi Arabia. For the complete list of persons interviewed see ANNEX II.
- 12. The Mission wishes to express its appreciation to the assistance provided by the UNDP Office in Riyadh, and especially to Mr. Frank Church for his continual close support of the Mission. Particular gratitude is felt for the generous way in which His Excellency Abdulaziz Al-Zamil made himself available, at all hours, to the Mission. Finally, the Mission feels that a special note of appreciation and congratulations are due to Dr. Abdelsalam Osman, whose guiding hand, as Project Manager, from the conception of the project through to the visit of the Mission, was to a large extent responsible for the obvious success of the project and of the Industrial Studies and Development Centre. Very best wishes are extended to him in his retirement.

## PART I. EVALUATE N OF PHASE I

### A. PROJECT FOISTULATION

## PROJECT PERSON, AND OBSECTIONS

- 13. In purpose of the project, as stated in the Plan forerate nor larger and 1966, was to assist the Government of Sadi Arabour the contribution of the ISEC in Rivado, which was to become the fellowing functions:
  - (4) To provide the responsible authorities with above in the presumation of the country's industrial policy and programs and or the coordinate mof these activities in this respect;
  - (b) To provide assistance in carrying out and remails formage industrial feasibility studies;
  - (v) To advise on the establishment of new indistries and on financing and implementation of such indistries; and
  - (d) To assist in the planning and establishment or industrial estates and advise on their management and operation.
- 14. The project also provided for the establishment and mutial operation of a model industrial estate to be located at Jeddah. A granch office of the ISDC was to be established within the central facilities of the industrial estate in order to serve as the nucleus for the luture entension service to industry.
- 15. The functions of the ISDC were defined in its Statute promileated in March 1967, as follows:
  - (a) Carrying out research and studies necessary for preparing sound industrial policies and programmes and submitting to the authorities concerned suggestions and recommendations in this respect as well as for harm missing cooperation among the various authorities whose functions relate to industry:
  - (b) Conducting or commissioning researches and studies relating to the establishment of new industries including the feasibility of industrial projects, their priority, methods of financing and the assistance and privileges which the Government may extend to them;
  - (c) Carrying out researches and studies relating to the implementation of industrial projects and submitting recommendations and providing assistance as necessary in this respect;
  - (d) Providing technical assistance to existing industrial establishments regarding all aspects of their operation and expansion schemes; and
  - (e) Supervising the planning, construction and ranagement of industrial estates.

### **SOCIO-ECONOMIC PERSPECTIVES**

16. At the time the project was conceived, the country was still overwhelmingly rural in character. About 50% of the population was still nomadic or semi-nomadic.

Most of the rest construction of all or electric mosall villages, all described to a tribulation. This was not a horizontal reflected in the break-dewn of GMS which who as some and a construction petroleum sector and only at from agriculture. The lineast employed and source of capital in the country was Arabic, which applied (13,00) people, of whom 10,000 were saudi nationals. The important factor in 1965 was that only 2 of GMS came from a more studies (other than outroloum retining). There was a felt neer to liversity too economy, to increase the importance of in instry and decrease the decondence on oil.

- 17. However, a major deafficulty was a rick of resources and infrastructure upon which to base industrial levelegment. There were almost no natural resources other than petroleum and gas upon unich to base heavy industry. There was no heavy industry around which light injustry might develop. There was almost no agriculture upon which agroindustry might be based. The number of people in the money economy was quite small. Incre were few entregreneurs with capital to invest in new industry. There were no development banks and the commercial banks would not lend for industrial investment.
- 18. A survey carried out by the ISPC soon after its inception, but based on 1966 data, showed that there were only 49 industrial non-petroleum establishments in the country, employing more than 5 workers. This was a small base from which to start industrial development. In addition, there were few skilled or educated Saudis, and these few preferred to work in the government. The unskilled Saudis tended to avoid menial labor, and therefore industry had to import both unskilled and skilled labor, and managers.
- 19. Nor was there an industrial policy or legislation for the encouragement, protection, registration and regulation of industry.

## INSTITUTIONAL SETTING OF THE PROJECT

- 20. At the inception of the project the Central Planning Organization had recently been formed but was still getting organized. (The first Plan was not launched until 1970). The Ministry of Commerce and Industry (under whose aegis the ISDC was formed) played a passive role and was primarily interested in commerce. As noted above, there were no sources for industrial financing, nor any governmental legislation or institutions to encourage industrial investment. Petromin, a government corporation, had been formed several years earlier, but was primarily concerned with the foreign marketing of a small amount of crude oil.
- 21. It is clear that there was an overwhelming need for an institution with the purposes and objectives of the ISDC. There was a need to determine policy, create legislation, develop institutions and regulations, promote investment, train managers and workers, and provide assistance to the

## PROJECT DESIGN

22. The objectives and functions of the ISDC, as laid down in its Plan of

Operation and its Statute, have revained add forms from the contempt pears, although some activities have gradually almost a social reflection the development of industry all the arrains as the increasing depend for its services.

- 23. The 1851 was established as an automorph bedever on the activation Ministry of Cormerce and Industry, wester with any liftent solved in the purpose of the project. The Concinnent was to provide appropriate legislation regarding the ISBN's administration, in lating attribution of salary scales, appropriate and from is admention of a consider, in the with the provision of the Plan of Operation. The latestand was concessions.
- 24. In accomplishing its objectives as laid down in the Flan of Corretion it was envisaged that the ISDS would addise the Government are produced road on matters of industrial development and on the condition of these activities in this respect. Furticular cooperation was easeled with the Central Planning Organization on all matters relative to policies and programmes of industrialization, as well as with the industrial bank (when established) on all matters relative to industrial financing.
- 25. The Plan of Operation did not specify whether the operations of the project and of the ISDC would be limited to the non-oil sector of industry and to small and medium-sized industrial establishments only. Nor was any mention made of Petromin and the need to cooperate with this organization in the field of industry.
- 26. The Plan of Operation entrusted the Project Harager, as the leader of the team of internationally recruited experts, with the function of the Chief Industrial Adviser to the Ministry of Commerce and Industry, to the Director of the Centre and to the Board of Directors.
- 27. Adequate provision was made for experts, short-term consultants, fellowships, equipment and supplies for the general service workshop of the midel industrial estate and for the documentation and information unit as well as for miscellaneous items such as secretarial assistance. The same observation is valid for the Government contribution of counterpart staff, land and buildings for the ISDC and the model industrial estates, equipment and miscellaneous items such as transport.

## B. PROJECT IMPLEMENTATION

## ECOTIATION OF THE PLAN OF OPERATION

28. In January 1965 the Government submitted a request to the Special Fund for assistance in the establishment of the "Industrial Studies and Development Centre." The request was for a 4 year support with a Special Fund contribution of \$734,000 and Government contribution of \$3,290,400. The Governing Council

of the Special Tun's approved a 3-second boation (in June 1965) of \$521,460 and the classification was signed by all parties on 14 February 1966. The Flat of up of the provides for a Special Fund Contribution of \$337,700 and a Tovornastic sutribution of \$2,057,100. The project termination date was set as 28 to many 1969.

## UNIONATED THE 25 AND THE IN UTILITY ATION

- 29. The Project-Manager designate was already in the field in September 1965 and the project become operational on I March 1966. The first expert joined the project in September 1966. Two more experts arrived in Sevember 1966.
- By early 1968 it became clear that the Project would not have accomplished its objectives nor expended its funds by the termination date, so Adjustment Advice No. 1, Nated 25 June 1968, extended the life of the project to 31 December 1968 and increased the UNDP centribution to \$567,400. By 1969 it was apparent that another extension was desirable, so Adjustment Advice No. 2, dated 21 October 1969, extended the project to 31 December 1970 and increased the UNDP contribution to \$625,000. Inder-expenditure of funds permitted the project to continue to 15 May 1972 when Amendment No. 1 extended to \$1,115,000 and the government contribution to \$12,064,400. A Project Revision Form on 6 April 1973 increased the UNDP contribution to \$1,122,600 and changed the government contribution to \$11,420,800. Because of a delay in sending the joint UNDP/UNIDO Evaluation Mission, a second Project Revision Form extended the assignment of the Project Manager and 3 experts to 31 July 1974. These stages, through which the project developed, are summarized in ANNEX III.
- 31. As indicated earlier, the first expert joined the project in September 1966. The assignment of all experts is summarized in ANNEX IV, which shows that 445 man-months will have been provided by 31 July 1974. This compares with commitments to provide 450 man-months.
- 32. The next major input was UNDP fellowships. The Plan of Operation plus Adjustments, Amendments and Revisions anticipated the utilization of \$34,200. By the termination date the ISDC will have utilized \$24,400. A summary of these is given in ANNEX V, which shows the name and specialization of each Fellow, plus the subject, location and dates of his fellowship.
- 33. The commitment of \$89,000 for equipment was primarily to equip the technical services workshop in the industrial estate in Jeddah. This equipment was purchased in 1970 and 1971 and shipped to Jeddah. Mowever, due to delays in obtaining final governmental approval for location of the estate, followed by delays in the municipality providing an access road and some of the utilities it became apparent that much more rapid progress could be made at Riyadh. The decision was made to establish the model industrial estate in Riyadh, and the equipment was transferred there from Jeddah. The government committed itself, in Amendment No. 1, to supply a similar set of equipment for the workshop at Jeddah industrial estate. The expenditures from Special Fund/UNDP allocations, by year and by category, are summarized in ANNEX VI.

## GOVERNOS AT CAMBLE 194

- 34. Although the project became of rat, halo in I harch record the ISDC was appointed from a partitive par
- of 145 at the time of this Missin, are shown as a first at a some of 145 at the time of this Missin, are shown as a first at also provided additional followships in the state of the scholarships for post-graduate elucation about the tain of the state of the own funds.
- 36. By mid-1969 a modern building had been constructed to the has since been expanded to include 1100 square intersections of a modification to accommodate 96 persons, a library, a conferction of a reproduction center. A new building with a title floor and the meters has been designed and land has been portland, on its construction should start in May 1974. Finally, the last has energy and constructed three industrial estates (Riyadh, Jendah and Landers, provided land, infrastructure and common buildings.
- 37. The expenditures of the government, by year and by cate, to all the annual AMMEX X.
- 38. Another government input which, however, was not rounted as countered on tribution to the ISDC was the group of 6 expatriate exparts under direct acceptant with the ISDC (their background and specializations are given in ANOT and a group of 15 supatriate staff, also on direct-hire by the government.

## INTERNATION OF ACTIVITIES

### Probleme

Already mentioned in the report of the UNDP/UNIDO Evaluation Mission, which visited the ISDC in October 1971, particular problems in initiating the project were caused by circumstances for which both the Executing Agency and the Government have to be held responsible. Without going into the details, the present Mission would only like to summarize that the implementation of the objectives of the project was seriously hampered prior to July 1968 due to an unrealistic programming of the recruitment of intermational experts, the appointment of the Director-designate 15 months after the signature of the Plan of Operation, the difficulty and delay in recruiting counterparts, and the impossibility of operating the project on a previsional basis before the ISDC logally created by the Government in March 1967.

The ire but Manager and has to an of a capeats available in 1966 of could consequently only and respects that, weak.

- 40. After the in option; wild (letters), the project started to perrior normally and with ruch societs. By the end of 1.7% a total of als min of any of services only been utilized, is anamed and misreseen in their or two is which was propered in Fall 10% by the above mentioned (NOP) News including hission. An additional 27 min will have been utilized prior to 31 buly 1974, bringing the total up to 440 min.
- 41. Nevertheless, the issts of the Industrial no nomist and Expert in Project Evaluation and Implementation remained vacant during 1973 and up to the time of the Missian despite enormous recruitment efforts on the part at the Executing Agency, this leading to several revisions of both job descriptions. Particularly, the registed rejections of candidates subsitted in the replacement of the injustrial incommist while the producessor was still in the field caused much concern on the part of the Executing Agency. Over 110 candidates file were reviewed by the shustantive section leading to 69 evaluations of which 22 were positive. After careful selection, 6 capable candidates were officially submitted to the government and a unofficially. None, however, were selected.
- 42. A similar effort was undertaken to find 8 suitable candidates—for the expert in Project Evaluation and Implementation, all of which were rejected by the Government and the Project Manager, as it was felt that their CV's did not show the multifaceted qualifications expected. The Mission wonders whether the rejections of UNIDO candidates were really justified.
- 43. Another problem faced by the project was the frequent uncertainty about the continuation of UNIDO assistance. The project more than once seemed to be phasing out, as can be seen from the periodic decrease of experts as well as from the several extensions of the assistance rendered.

### Assets

- 44. The provision of appropriate and modern office facilities, as of mid-1969, certainly facilitated the operation of the ISDC. Logistical support (e.g. transport, office supplies and equipment) was fully adequate.
- 45. Another significant government contribution which enabled the ISDC to recruit relatively more Saudi graduates than other Government Agencies was the adoption of a flexible salary, promotion and fellowship policy. Although the base salary is the same as for other government agencies, the ISDC can pay a 50% bonus on overtime as against 25% elsewhere. ISDC staff is eligible for promotion already after 2 years, which is unique for government departments. Another significant governmental contribution which accelerates the growth of the ISDC's reputation as an attractive employer was the provision of sufficient funds for fellowships mainly used for advanced

university study abread. Fellow hips for university the constant obtained after 2 soms and for regular training the contract of the constant o

66. Finally, it should be centioned that the proof for following hydrogen funds for the acquisition of land for the inflation has associated at the willingness of the business community to a not the wile-ranger services of the ISDC. These government contributions are a six foreseen by the Plin of operation. The effect of the elarge form expenditures were connected by the very fortunity sixually associated strong and lovoted leadership from its former an presentable tors-organization.

## C. PRO TECT RESELES AND ACHIEVEMENT OF LIVE CARRESTS

## INSTITUTION COLLEGE

- 47. It is clear that the ISDC is a strong and viable institution with the full support of the government. The government has contributed over 11 million dollars to its development. The Industry chapter of the correct F. E-year Plan (1970-1975) indicates that \$10 million is to be allocated to the ISDC during the plan period. This planning document notes a maker of areas in which the ISDC is expected to make a contribution in the industrial mation of the country.
- 48. The ISDC has a sound organizational structure (Shown in ANNEX VII). Its Board of Directors consists of the Minister of Commerce and Industry (Chairman), the Deputy Minister of Commerce and Industry, Governor of Petromin, Leputy Minister of Labor, Deputy Minister of Finance and National Economy, Director General of Administration in the Ministry of Agriculture, Director Coneral of Technical Education in the Ministry of Education, Director General of Planning in the Central Planning Organization, Director General of Technical Cooperation in the Council of Ministers, and the Director General of the ISDC. This gives the ISDC a high degree of autonamy, support and effectiveness.
- 49. It will also be noted on the organization chart that the ISDC has established branch offices in Jeddah and Dammam. The latter, located on the industrial estate, has only the Branch Manager plus 4 administrative support personnel. The Branch in Jeddah, however, is located in the city and has 9 staff members, an expatriate expert, plus administrative support personnel. It is able to carry out extension work, support of the industrial estate, plus planning and implementation of an industry fair.
- 50. The Director General and the Deputy Director General of the ISDC are both very competent. The latter has been with the ISDC nearly since its inception. The Mission was also impressed by the quality of the Directors of the four Divisions.
- 51. The staff of the ISDC has been significantly strengthened since the last (1971) UNDP/UNIBO Review Mission. Of the 145 employees, 50 are Saudi professional

star: Derson to have satisfied as. Unong them, 23 had forcin University the contents of the first, 15 same been self-abroad by the Isla,  $\bullet \bullet$  . We have some for an advanced degree (2 of them have retained) (3 are started) for the startest of the same satisfied.

- 52. Our of the 50 is tessionals, approximately 30 have been with the 1800 for more than 5 years. Also, the attrition rate has been very low, a loss of only 5 professionals since the beginning of the project. Of these 5, one was the former line to: Ceneral who became the Depute Minister of Commerce and Industry; and one was the former Director of Technical Services, who became threaten of the Industry Division in the Himstry. These have served to strengton the relationship of the ISDC with the Ministry.
- 53. An analysis of the staff of the major departments in the ISDC reveals that the Industrial Seas ach repartment has 7 e onomists, 7 with accounting decrees, one industrial engineer, one chemical engineer and one with a degree in business administration. The Technical Services Department has 5 civil engineers. I industrial engineers, 2 electrical engineers, 2 chemical engineers, 2 production engineers, 1 rechanical engineer, 1 metallurgical engineer, 3 chemists, 1 mathematician, 1 agro-economist and one management specialist. This shows a very considerable increase in the number of engineers in the past several vers; this had been strongly recommended by the 1971 UNP/UNDO Mission.
- 54. In analyzing the educational background of the staff versus the posts they hold, it is seen that there are 6 people in posts of Financial Management, all of which are held by Riyadh graduates with RBA's in Accounting-cum-Business Administration. There are 5 posts in Marketing, 3 of which are held by economists, 1 by an accounting major from Riyadh University and 1 with a degree in Business Administration from U.S.A. The Mission feels that 2 or 3 of each group should be sent to the U.S.A. or U.K. to study for M.B.A's in Financial Management and Marketing respectively. Both departments are weak in these areas. They will be particularly needed to staff the coming establishment of a Management Training Unit.
- 55. Other than the above, the training seems to have been appropriate for the posts. Also, the current selection of individuals for foreign post-graduate study seems to be quite appropriate. The Mission urges that care be taken not to send people abroad to study for the M.A. and Ph.D., at the same time. Staff members should return after completing the M.A. and, after a number of years, as needed and as deserved, several more can be sent for Ph.D's.
- 56. In addition to the 50 Saudi staff members, there are 14 expatriate (direct-hire) staff and 6 expartiate (direct-hire) experts. Of the 14 expatriate staff, there are: 3 in financial management; 1 electrical engineer; 3 mechanical engineers; 2 statisticians; 2 economists; 1 industrial engineer; 1 market analyst and 1 documentalist. The expatriate experts (direct-hire) are 1 chemist engineer (Ph.D.); 1 industrial economist (Ph.D.); 1 industrial management specialist (Ph.D.); 1 civil engineer (Ph.D.); 1 economist (M. Sc.) and 1 marketing analyst (B. Com.).
- 57. There are 10 more direct-hire staff in the pipeline. The ISDC has advertised for them in Egypt, Lebanon, Syria and Iraq.
- 58. It might also be noted that one Japanese expert, a Mechanical Engineer (Maintenand

has been supplied free by the especies a government foreign assistance season,

- The work programme of the Pingle well organized. Each of these organized divisions (Industrial Research, Industrial Information, and Technical Services) plus the wellow dranch estime has a work programme in the form of a bar chart showing each activity and the months during the voir to should be devoted to each activity. To als forther proken down is another set of bar charts to show the number of man-months that each start member will devote to each activity.
- 60. Perhaps the weakest link in this area of institution building is root of on-the-job training at the starf. It appears that we are of the converts had no counterparts attached to them; must of them had only one; and, frequently the counterparts were shifted from one expect to another or attached to an expert for easy 3 to 6 months. In general it is preferable if 2 or 3 counterparts are attached to an expert and kept with him for a year or more. Also, very little was done in the systematic organization of seminars for the staff, run by the experts or consultants.

## ADVISING COVEREMENT ON INCOMESSAL POLICY AND PROGRESSES

- of a draft statement of an industrial policy for the country and presented it to the Government. Although there was frequent follow up by the ISDC, the government did not announce the policy until 18 February 1974. The ISDC also drafted a statute regulating the registration of industrial establishments. Its draft was later modified by nerging it with a proposal prepared by the Ministry of Commerce and Industry. The resultant Statute for Commercial and Industrial Registration is now under consideration by the Council of Ministers. A draft statute for Industrial Promotion and Regulation was completed late 1972. The ISDC recently hired an expert to put this statute in final form. The effort was entering its final stages during the visit of the Mission.
- 62. Also, the ISDC has been encouraging the government to establish an industrial development bank. The ISDC had drafted a statute for such a bank and presented it to the Government. Recently the government hired (direct-hire) an expert to draw up a final draft of the statute. The establishment of the resultant institution was Industrial Development Fund announced just prior to the arrival of the Mission.
- As far as the ISDC's role in advising the government on its industrial programme is concerned, good results were achieved in as much as the ISDC was made fully responsible by the CPO to prepare the chapter on Industry of the first 5-Year National Development Plan. Very little time was allowed for the actual work. Any criticism on the intensity of the planning effort and on the quality should not be addressed to the ISDC and the project. Presently, the ISDC is actively involved in drafting the industry chapter for the second Plan, which is to be submitted to the CPO by October 1974. The final version will be worked out between then and the implementation date of the new Plan in October 1975.

## PREMARING OR COMMISS FORDS FEASIBILITY STEEDIS

- 64. The statement in the Plan of Operation regarding a purpose of the 1800 being able to "provide the responsible authorities ... with issist new in currying out or commissioning industrial feasibility studies" is obviously or give and general. It would rarely be expected that an institution such as this do complete teasibility studies. On the other hand, it only takes money to commission a reasibility study.
- 65. In the early years of the project the Ministry gave a contract to Verbar D. Little to carry out some 60 to 70 feasibility and general studies, and in 1970-71 the ISDC gave a much smaller contract to Stunford Rosearch Institute for the same purpose. These were discussed in the last UNDP/UNIDO Mission report. The ISDC has not contracted for any more feasibility studies as the results did not meet expectations. Instead, they use the funds to hire expetriate stuff and experts. In turn, these direct-hire stuff and experts permit the ISDC to release the significant number of sandis for training abroad on short-term fellowships or for study for post-graduate degrees.
- 66. In practice, the ISDC has carried out a large number and a wide variety of industrial and economic studies; a total of 48 of these are listed in ANNEX IV of the 1971 UNDP/ENT Of Evaluation Mission report. Since then 145 additional studies have been published. These range in type from manuals for industry to industrial specifications, technical memos, and extension service visits to marketing studies and pre-investment studies. Approximately 60 of these are in Arabic.
- 67. At the time of this Mission's visit, there were 4 prefeasibility studies in process (vegetable oils, sheet glass, electric lamps and soda ash), plus 33 exploratory investment studies (e.g. school benches, vinyl tile, harrels, insecticides, a dairy farm, tin cans, etc.) plus a dozen general studies. A well organized chart indicate which studies are in process and which planned for the remainder of the year, as well as the staff and experts assigned to each. Many were being done by the staff alone.
- 68. It was found that the Center also sometimes makes use of several local consultants (independent consultants and university professors) to assist the staff teams assigned to various economic studies.
- 69. In general, the Central Planning Organization and PETROMIN have developed their own capability to carry out economic studies according to their needs and do not request assistance from the ISDC. The studies have, therefore, primarily been at the initiative of the ISDC, some at the request of the Ministry 11 Commerce and Industry, and in the last several years there is an increasing demand from private investors for assistance on pre-investment studies.
- 70. When the ISDC does a pre-investment study, it advertises in newspapers and interested parties may obtain a copy against payment of a fee, the fee determined by a formula based on the capital requirements of the investment. For example, where the investment is \$3 million, the fee is \$1500, non-returnable that amount.

- Perhaps the most important is that of it trial (Limius, T. III.) discussions in the central claiming or miration releaded the reaction is by far the most responsive of the institution, in the control of preparation of its portion of the Plan. The IS.W. worked with the Control Phanning Organization in (Control of the Industry Sections) to the south of the section of the next (1975-79) is year Plan. Those were recently a control of the ISBC has assigned a team consisting of two direct-hire a parts. Exciting with Ph.D's) plus 3 staff members, plus two representatives for the Ministry of Commerce and Industry, to see lop and in fit the Accordance the Industry are following a well-conceived schedule to complete the task in a total of 6 months.
- 72. It should also be noted that the Isld completed, in flow, a ciry year off industrial establishments employing become works. Of the 49 insatules, 39 responded to the questionnaire. An up-dating of this survey was carried out in 1973, using 1970 as the base year. This is whose a true provides a benchmark against which to measure the industrialization of the country at the beginning of the first 5-year Plan.

### INDUSTRIAL ESTATES

- 73. One of the objectives of the Plan of Operation was to assist the government in planning and establishing of industrial estates. Considerable success was finally achieved in this field if one disregards the fact that the original time limits set were not maintained.
- 74. Three industrial estates are now in operation: Riyadh, Jeddah and Dammam (451,000, 498,000 and 570,000 m.). Due to different starting dates all three have reached varying stages of completion. By the end of 1973 the number of land plots allotted in Riyadh reached 65; these are leased to 31 establishments; 13 factories have already started production; construction work was in progress for 11 others. The corresponding figures for Jeddah were 38,16,2 and 6 and for Dammam 19,10,1 and nil.
- 75. The ISDC is now looking for more land in order to build a second industrial estate in Riyadh, since even the extension of the first one has already been allotted. The ISDC also participates in the Committee selecting the sites for the future estates in Mecca, Bureida and Hofuf. Additional industrial estates are envisaged for other cities of the country, particularly in the context of a more equal regional development. Proposals have not yet been submitted but it was indicated to the Mission that, in several cases, estates with much less infrastructure were being discussed.
- 76. The planning, development and maintenance of estates is now completely handled by Saudis. Technical assistance is no longer required. However, the operation of the technical services workshops will still need expert assistance.
- 77. Although the Jeddah estate was originally conceived as the model estate, the government decided in 1972 to move the equipment provided by the UNDP

for the technical services workshop from Indiah, to Nivera. So far the Government has not set to like its apprecent laid began in the charge Bo. I to order similar equipment for Jeddah. Presently quotations has such equipment are being checked and it is expected that errors will be placed in the rowesceable inture. Considering the fact that the Indian estate received string expert assistance as far back as 1967-61, the discion feels that the semiletim of the access road and of the telephone ervices will increase the attractiveness of this estate, which has has a tever factories in special on than the estate in Gradh. The Missier's risis of the acidah estate royaled the necessity to accelence the operation of the service workshop. With regard to the service workshop in Darman, the Missier was anterested that its equipment is not yet needed since no metal working industry exacts in the Eastern Province of the country.

- 78. The technical services workshop in Rivadh was visited by the Mission. Practically all equipment presently being used was supplied by 1000. The workshop, which will also be used for upgrading of skills, is the only machine-tool room in the Kingdom. Formerly tools had to be ordered from the Middle East, which was more costly and time consuming. In addition, their quality was rather low.
- 79. Some additional equipment is still needed to meet the work load expected for the workshop. The making of tools, dies and fixtures for injustry is subsidized by the 1800; the customer pays for the full cost of materials but only 50, of the cost of labor. This costing system seems appropriate, particularly as Saudi workers are undergoing training. A total of 9 workers is employed in the workshop, of which 3 skilled (expatrictes), 3 semi-skilled and 3 newly graduated from the Vocational Training School in Riyadh.
- 80. The ISDC has and will probably retain responsibility for operation of the workshops and for the general maintenance of the estates. Assigned to this task for the Riyadh estate are one U.N. expert engineer, one civil engineer, one mechanical engineer, one utility supervisor, 3 expatriate skilled workers, and 6 Saudi workers. The engineers have an office at the ISDC, however, and are responsible for all three estates.
- 81. The visit of the Riyadh estate indicated the viability of the industrial estate concept, although a cost-benefit analysis could not be undertaken. At least the benefits are apparent in that, by mid-1973, some \$12 million were invested in establishments built on the three estates.
- 82. The ISDC is presently planning and designing factory buildings which are to be constructed on all three industrial estates. These buildings will have a standard size (900 m<sup>2</sup>) and will each be leased to one company at a subsidized price which does include interest charges. Possibilities for extensions exist. The decision as to how many such factory buildings are to be erected on each estate will be taken soon.
- 83. The Mission noted that the idea of providing nascent industry with nursery factories was not viable. Both the Riyadh and Jeddah nursery factories (each one composed of 12 units) were not leased to a number of small establishments. Rather, in each case, one company has leased the entire building. This results from the lack of knowledge about the real needs of the future

lessees, during the planning stage. Plans for future industrial state. will have to take this into account.

The question of estate management is still under review. The least of responsibilities between the ISDC, the Ministry of decements is a fine try and a Board of Directors for each industrial estate has because in the inefficient. The Board of Directors, which is corposed of representative from the ISDC (1), the Ministry of Commerce & Industry (1), the encoder of Commerce (1), the Municipality (1), and the occupants (1), small resolve more authority, so as to make operations more illustry, and remains a first three estates have recent's been appointed. Two sill receive additional training abroad as of mid-1974. The additional tall-time staff to overall the estates has already been hired or will be sportly. One mechanic 1 engineer and one utility supervisor are budgeted.

#### TECHNICAL SERVICES

## Extension Services

- 85. The concept of extension service was already fully developed and applied when the UNDP/UNIDO Evaluation Mission reviewed the 1800 in 1971. Since then, more in-depth enterprise studies have been undertaken, covering most of the aspects of extension service, such as process analysis, plant layout, quality control, etc. The Director of the Technical Services Department told the Mission that the comprehensive, team consulting approach to extension service has not worked. The result, in most cases, has been a report which is not read, or at least not implemented. The procedure now followed is to respond to individual requests for specific assistance, such as a cost accounting system; plant layout; inventory control, etc.
- 86. Sometimes problems identified during consulting visits, such as needs for skilled labor or simplification of customs clearance, are followed up with various government departments concerned. A special inter-ministerial committee has been appointed to review requests by new firms for tariff protection. The ISDC as a member of this committee, reviews each request, and makes its recommendations to the committee.
- 87. Special manuals prepared by the ISDC have been distributed to industrial firms. A UNIDO Expert prepared, for example, "A Guide to Control of Lost Elements," which was published in 3 volumes focusing on the control of material. laber and overhead costs, respectively. One of the direct-hire experts prepared simplified manuals on inventory control, quality control, etc. Others are under consideration.

## Industry Meetings, Seminars and Training Courses

88. This is another form of the technical services rendered. So far over 10 industry meetings, seminars and courses have been organized and implemented by the ISDC, covering the following industrial subjects: building materials and construction, cement, marble, gypsum, block stones, furniture, aluminum

deers and windows, economic of building, premotion of local industry tough government purchases, economic and commercial performance evaluation of industrial enterprises, and wrappenent accounting. The response to these industry meetings is very encouragine for the continuation of this programme. This programme should be further intensified.

89. During the past year the ISDA has become to ofter training coarses for managers. A course in managerial accounting is completed. A course in cost accounting is now in session. It most: I evening seer week for 10 weeks. Although this start has been made, a far more comprehensive programme must be developed and offerel, within the from work of a Management Training Unit, which was foreseen by the first 5-year Plan, and was to have been established by 1972.

## Technical Pramotion Meetings

90. Technical promotion meetings have been arranged for the statif of the ISDC. During the second half of 1973, 5 such meetings took place, one each dealing with marketing and management, three with specifications and standards. Taking into account that most of these staff training meetings took place in 1972 and 1973, the Mission notes with satisfaction that the ISDC management is paying increasing attention to the training component of the project. Nevertneless, the Mission believes that the number of training meetings for the ISDC staff should be further increased, making better use of some of the UNIDO and the direct-hire experts. A frequency of 1 meeting per week should be envisaged in order to guarantee any lasting impact. The workplans of the UNIDO experts will have to be changed accordingly.

## Summer Training of University Under-graduates

91. Mention should also be made of a very interesting programme which concerns the training of university under-graduates during the summer vacations. This was first started in 1970. The objectives of this programme are to attract under-graduates for future work in industry, to prepare them for the industrial life and to establish contacts between industrialists and students in order to facilitate future employment. The programme is very well received by all parties concerned and growing in size. It is a very useful innevation and has undoubtedly enabled the ISDC to attract more than its share of good university graduates.

## Saudi Arabian Standard Specifications

92. Another type of service provided to industry, assisted by a UNIDO expert, dealt with the preparation of Saudi Arabian Standard Specifications. Modern concepts of quality control are applied without being excessively elaborate or sophisticated. These draft standards have primarily concerned the buildings material industry and the furniture industry. All proposals were discussed with the respective industry in order to achieve the greatest possible concensus and to facilitate acceptance and implementation. The

standard Specifications are presently before process to the consideral Standards Organization (SASO), on the Missien was informed in the lite meeting with SASO. They will soon to issue factor opposed to receive Board of Directors.

# Central Industrial Test of any these trees I departure

- A short-term consultant prepared is to of equipment to be present to diffine designs and specifications were prepared by a precipitation of the liberatory, and tenders were invited for the construction of the liberatory, which is to be put into operation in the second contraction of the liberatory, objectives of this laboratory fall also within the tenderal services programme of the ISDC: to help in extry in represent processes, through testing of raw materials, and mediates to be full reduced as observed as least to help improve existing processes and adopt known technology to provide a conditions and to local raw materials; to processe technical fitted for the evaluation of new products; and to does not not be greated feasibility of manufacturing new products through processing an affirst plant scale.
- 94. The Mission discussed the proposed testing laborate, or the 18rd with the Deputy Minister of Commerce and Industry as well as with the Director General of SASO. It became evident that a duplication of idellities will not take place, particularly in view of the fact that SASO's testing requirements will be different from that of the ISDC. So far SASO was neither designed a laboratory nor prepared a list of testing equipment. The Deputy Minister of Commerce and Industry stated that SASO would really not require any testing facilities since it could use the equipment in the labs of the ISDC, the Universities and the Ministry of Commerce and Industry. The latter already has labs in Jeddah and Damman and is building another in Riyadh for the purpose of testing imported consumer goods. It should also be noted that SASO is attached to the Ministry of Commerce and Industry.
- 95. Since the creation and operation of the testing laboratory will be a new activity of the ISDC, further reference to this project component will be made in the Project Document for Phase II. See ANNEX XIII.
- 96. In summarizing, the mission notes with satisfaction that the technical services of the ISDC enjoy high recognition by the business community. Many of these activities are already independently carried out by Saudis, although great need still exists for assistance in the organization and conduct of meetings and seminars, the promotion of productivity in local industry and the elaboration of standard specifications from the industrial point of view.

## INFORMATION AND DOCUMENTATION

## Information and Documentation Department

97. The Information and Documentation Service of the Centre not only provides

services to its own staff, but also to government departments and agencies, industrial establishments, university staff and students. Due to the growth of the library since 1971, the available office space has becore incufficient. By mid-1973 over 3500 books (1971: 200) and 2000 decuments in English, 360 books in Arabic (1971: 200) and 40 periodicals (1971: 25) were at the disposal of the users. A small industrial film section has recently been added to the library. The Jeddah Branch has received a nucleus for a branch library it is presently being extended. The Mission found the library output of customers but well equipped and organized. The borrowing rate of the library is not very high. The management of the ISDC should scart a campaign to better inform the public about the available library services.

98. The information and Documentation Service is still not well prepared to the specific demand of the ISDC's economic and technical departments for background material for their research and studies. Much work will have to be done in order to update the information gathering and retrieval methods, not to speak of the strong support to be rendered to the recently created Statistical Unit in the Industrial Research Department.

#### Fairs

99. Although the organization of national fairs was originally the task of the Ministry of Commerce and Industry, the first National Industrial Fair in the Kingdom was actually organized by the ISDC. It was held in Riyadh in 1973, exhibited products of 60 local industrial firms, lasted 18 days and was visited by 80,000 persons. The Mission visited the Jeddah Exhibition Grounds and familiarized itself with the preparatory work for the second National Industrial Fair to be held in May 1974. The organization of this fair is again undertaken by the ISDC through its Jeddah Branch. Allocations for the purpose were made in the budget of the ISDC. The Mission noted with satisfaction that the small number of staff available in the Jeddah Branch of the ISDC was fully committed to this priority task. Other National Fairs are planned. This will apparently become a regular activity of the ISDC.

### PART II. FINDINGS PULATIVE TO PHAGE I

- 100. The Mission was very much impressed by the organization of the libe, its effectiveness in achieving the hyptimes, the internal plantage, are fronts to obtain expitriate staff and experts out of its and first equality the amount of fellowships provided for most-graduate studies and for so it training courses. All these efforts entirious distributions in the electric the ISDC is held by other organizations and ministries in the electric.
- 101. The efficiency of the 1 mm is evidenced by a wearet report, shown at the Mission, just issued by the CPO, to indicate the force of the updisciont relative to specified goals, by each sector and a titution, at the end of 3 years of the present 5-fear Plan. The ISDO performed better than any other institution or Ministry, accomplishing all goals specified except that the establishment of the Statistical Unit was no year into any the Management Training Unit was not established. However, a whole page in the report indicated the additional tasks carried but by the ISBO, but anticipated in the Plan.
- 102. One could say, therefore, that the UN project, through its Phase I and many extensions, has achieved its purposes, not only through the help of the UN but also due to the generous and strong support of the greeness. The Mission seriously entertained the idea of recommenling the cancellation of Phase II.
- 103. However, it is clear that the ISDC has an even larger role to pray in the industrialization of the Kingdom and that it has a high potential of absorptive capacity for additional assistance. There is, therefore, an important role which the UN can play in a Phase II, and such assistance can be all the more effective because of the present capability of the isDC.
- 104. The Mission also noted, however, a number of short-comings in the Project during Phase I. The major ones are as follows:
  - (a) insufficient training of counterparts, caused by the lack of appropriately trained staff and the low numbers of long-term counterparts assigned to the experts, and by the frequent ineffectiveness or inability of experts to perform this duty;
  - (b) not sufficient in-house training seminars for the ISDC staff;
  - (c) not adequate provision of experts to cover a large extension service programme;
  - (d) lack of assistance to Saudi industry in the area of project implementation due to lack of experts.
- 105. The objective to advise on the preparation of the country's industrial policies and programmes has been accomplished very satisfactorily. Work will continue in both fields under Phase II. Expert advice will still be required.
- 106. The strategy of subcontracting feasibility studies to international consulting firms did not prove to be successful. The ISDC itself does not have the ability to do full-scale feasibility studies. The Mission finds that the ISDC need not attempt complete feasibility studies but that it is developing the capability to do quite complete pre-investment studies which, except for several aspects, approach the coverage of a feasibility study. By the end

- of this off, the 180 should have this capability, as place to confirmed need for short-term consultants specialized in certain indust see.
- 107. The objective to assist in the planeir, and establish into a process of extract and operation was allocative estates and to advise on their management and operation was allocative actions have started their operations, although at various locals, reflecting their different starting dates. No additional to assistance is required during the next phase of the project.
- 108. The technical services workshop in Riyadh is well equipped with machines supplied by CNDP. Additional equipment will be endered in the loar future by the accomment in order to be able to offer even by idea of roles to ministry. The design and making of tools, does and features will stall read the assistance, particularly in view of the fact that the technical services workshops in Jeddah and Dammin are still to be equipped. Efforts will therefore have to be undertaken by the government to supply, particularly, the equipment for the technical services workshop in Jeddah and, in a required, also for the workshop in Dammam. Further assistance in this area should not be needed after thase II.
- 109. Initially all manufacturing establishments in Saudi Arabia received short extension service visits so that the ISEC might obtain a complete picture of their needs to improve their technical and economic performance. Later on, the ISEC initiated in-depth studies in selected companies in order to provide more tailor-made technical services covering plant location and layout, material and equipment selection, quality control, etc. Some expert assistance was also provided in the fields of cost accounting and marketing. In general, UN assistance in the field of project implementation was never forthcoming and the ISEC remains very weak and in need of assistance in this area during Phase II. Assistance in consulting services in such areas as accounting, marketing, organization, and financial management was very weak or non-existant. Much more assistance is needed in these areas during Phase II.
- 110. A number of industry meetings, seminars and training courses were conducted by the Experts for the training of Saudi entrepreneurs. These efforts are laudable but were insufficient. Expert assistance is needed to organize and operate a more elaborate management training programme for local managers. This need will probably continue after the end of Phase II.
- 111. Some training seminars were held for the ISDC staff. However, the subjects covered were very limited, nor were they organized on a systematic basis. Expert assistance will be required for this effort, even after the end of Phase II. It should be noted, however, that although the first 5-Year plan calls for the establishment of a Management Training Unit within the ISDC, this issue is not completely settled. There is a possibility that the Council of Ministers may decide that there should be a separate and independent National Management Training Institute. Should the latter decision be made, the expertise developed within the ISDC will be of great assistance to the establishment of such a new Institute. Also, that expertise is still required for extension service, for the training of ISDC staff, and for special courses for small business enterprises.

- ii2. One National Industrial Fair was arranged by the Isto [2.5], second me is planned for May 1977 in Fortable, irreparation of the dule. The staff is capable of performing this function with it for assistance.
- 113. The build-up of the library has not used presents not warm to be no so that its facilities are much better utilized by the rubic and tred to staff.
- The retrieval of information received attention of the ascential orbit that much improvement will still have to be but.
- 115. A much greater effort is needed to gather data in value and the try, in elemnomic trends of interest to industry, as all as technical and contributed information from foreign countries needed to recommend to the and typeach industry. A system of information gathering, at rade and returned list to established. UN assistance will be required for this entert during mass also
- 116. The Mission approached the matter of the need for an industrial testing and development laboratory with a high degree of recpticion. The gustification for the labs, given the degree of industrialization which sands cracia will have reached two years hence, and given the current presence of crier labs, was not clear. However, it was apparent that the Ministry of 6 charge and Industry and the ISDC are convinced of the need for this lab and are determined to go ahead with it, regardless of UN assistance.
- 117. The translation section consists of two translators, but when this is not sufficient, the ISDC makes use of a commercial translating office in Kiyadh.
- 118. A Central Filing Section has been established and scens to be operating quite efficiently.
- 119. There are a number of institutions involved in industrial development. But the various efforts seem to be effectively coordinated, in several ways. Pirst, through the CPO and the planning process. Secondly because there are a number of (about 8) inter-Ministerial Committees concerned with various aspects of industrialization, and the ISDC is represented on all of them. Finally, because the Board of Directors of the ISDC come from all of the relevant ministries and institutions.
- 120. The Deputy Director General wished it to be noted, explicitly, in the Mission Report, his feeling that:
  - (a) a system must be developed to make it possible to obtain short-teraconsultants on a 3-month notice or less.
  - (b) the process of working through UNIDO for placement of fellowships is very slow and laborious.
  - (c) The speed and type of information received from UNIDO's Information Centre is slow and very low level.
  - (d) He looks to UNIDO for top-quality experts. He can get medium-quality experts, at a low cost, on a direct-hire basis.

#### PART III. AN ANALYSIS OF PHASE II

#### ANALYSIS OF THE PRESENT SITUATION

### ENVIRONDATAL SOFTING

- 121. Significant progress has been made in the industrialization of Saudi Arabia since the beginning of Phase 1. The recent rapid expansion of oil production and oil revenues is merely an additional impetus to the rapid change which had been taking place in the past 7 or 8 years. The first 5-hear Plan, 1970 1974 institutionalized change. New Statutes which took years to pender and decide, in the late 1960's, can now be decided on in several months or even weeks. There is a sense of urgency at all levels of the government.
- 122. Cultural barriers to change and to modern ideas are rapidly disappearing. This is illustrated by the amazingly rapid increase of students enrolled in educational institutions, at all levels, in the past 10 years, and by the even more rapid growth of females enrolled in schools. The first class of women, in the history of the country, graduated from the university last year. Only several years ago was T.V. introduced to the country. The first two cinemas opened, in Jeddah, last year. Saudis are going abroad for advanced university degrees by the hundreds.
- 123. The administrative environment for industry is, first of all, one of minimum regulations. There are almost no import restrictions and duties are very low or non-existent. Any Saudi is free to invest in industry without approval of the government. The philosophy of the government, as stated in the first 5-Year Plan, and in the government's Industrial Policy Statement which was issued in February 1974, is a free enterprise approach, with a minimum of government interference and investment.

### INSTITUTIONAL SETTING

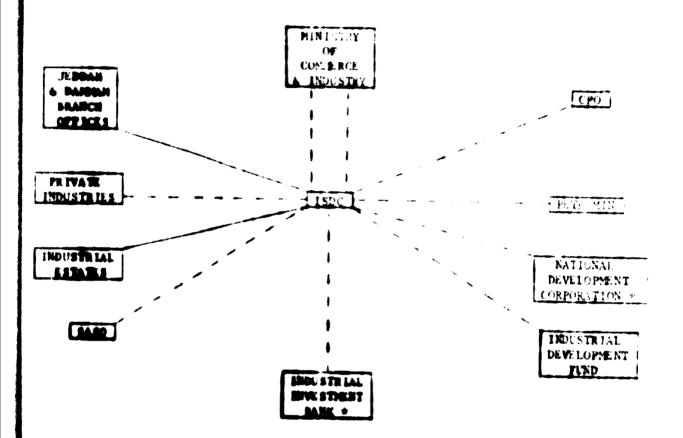
124. However, the government has realized that there is much that it can do to encourage and facilitate industrial growth. The ISDC itself is a manifestation of this role. And, one of its first objectives was to help the government to develop the Industrial Policy Statement and to develop implementing statutes, regulations and institutions. One can think of the various institutions, involved in the industrialization process, which have been developed (or are in the process of being developed) as being a constellation around the ISDC. These are shown in Figure 1.

### Ministry of Commerce and Industry

125. The Mission was concerned that the Ministry, of which the ISDC is a tutelle, may be wishing to develop its own Planning Unit. Also, there was a concern that the laboratories to be developed by the Ministry for consumer protection testing might conflict with the plans of the ISDC. The Mission found that

FICT RE 1

## INSTITUTIONAL SETTING OF THE ISDC



· Three two inetitutions are not yet created but should be within 12 moths.

neither of these situations were true. The Ministry will be placing full reliance on the ISDG for economic stalics, advice and planning in the areas of commerce and non-petroleum industry. Also, the objectives of the labs being established by the Ministry are clearly separated from that to be developed within the ISPG.

### Central Hanning Organization (C:0)

126. The Mission was concerned that the CPO may, because of the large number (10) of experts engaged from the Stanford Research Institute and from the French Government, be trying to centralize planning and to develop its own capability to do feasibility or pre-fearibility studies. Discussions at the CPO indicate that such is not the case. The policy is one of decentral, ation, with full dependence on the ISDO to do the necessary occasion studies and to draft the commerce and non-petroleum industry section of the 5-Year Plans. Also, the CPO will look to the ISDO to continue to review government policy in the areas of commerce and non-petroleum industry.

### Petromin

- 127. The Mission wished to determine the degree to which Petromin might rely on the ISDC to do project identification, evaluation and implementation. It became clear that Petromin will wish to be self-sufficient in these areas and will not request assistance from the ISDC.
- 128. Also, the Mission was aware that a UNIDO consultant was with Petromin to determine their needs in management training and to develop a programme. Such a programme might conflict with the plans of the ISDC to start a management training unit. Discussions at Petromin indicated that if the ISDC provides management training courses which are appropriate to the needs of Petromin, it will make use of them.

### Saudi Arabian Standards Organisation (SASO)

129. SASO was a department of the Ministry of Commerce and Industry, but is now an autonomous body, under that Ministry. It has lo staff members, of whom 6 are Saudis and 10 are Egyptians. Its purpose is to determine standards; it is not an executing (enforcing or testing) agency. It has no labs of its own and the Deputy Minister of Commerce and Industry told the Mission that there were no plans to provide labs for SASO; its small need for laboratory equipment would be met by using other labs, such as the one to be developed in the ISDC. There is a UNDP/UNIDO project to supply an expert (12 m/m) to SASO, but the expert has not been found.

## Saudi Arabi m " - 1 poent Juni

- 130. In February 1974, through the efforts of the Soudi Arabian Minetary Compactive Control Banks, a Saudi Industrial Benelops of Fund was a tall and a will be autonomous, but under the tutelle of both the Control Lare and Lare will be provided by the government. The Fund will make redfer and a term loans, to private investors, up to 25% of the total apit I invested in a project. I mans will be interestable, but a service control to the first the Fund will have a long-term management control with a large forcion bank.
- 131. The Fund's objectives as stated in its Statute, are leastly giving laws, to extend economic, technical or managerial advise to enterprises of envernecessary and possible. It would also supervise the implementation of projects to see that they go on stream is scheduled. Fund professionals will make inspection visits to clients and might render advise, as require.
- 132. These various areas of potential conflict (or overlap) with the work of the 18DC were discussed with the chief Adviser to SAMA. His roution was that the management would, in all probability, place maximum reliance on the 1700 because it would reduce the operating costs of the Fund and require fewer inputs by the foreign bank holding the management contract.

## Industrial Investment Bank

133. The Mission learned that, also through the efforts of the Saudi Arabian Monetary Agency, an Industrial Investment Bank is under consideration. It will have 55% to 65% local private capital, the remainder being subscribed to by various international banks. This institution will be able to make short, medium and long term loans to industry (charging interest on the loans) and also take an equity interest in the client enterprises. The statutes for such a Bank are now being drafted and contacts are being made with potential partners, local and international. It would appear that from 6 months to a year will pass, however, before this institution is established.

## National Development Corporation

134. An interministerial committee has been appointed to draft the statutes of a National Development Corporation. The ISDC has primary responsibility for this effort. This corporation would be an autonomous governmental organisation to launch new projects, in the non-hydrocarbon industry sector. It would have the same role in this sector as Petromin has in the petroleum-related industries.

#### ANALYSIS OF THE PART OF BOOKENING

- 135. It was found that the Draft Project occurrent propared prior to the arrival of the Mission generally aspended to the present and return activities of the Isot. However, the assistance now invisaced for those it would be entire by wider an scope total about none depth in order to be able to repose the kind of technical assistance which will not be inture to returned by a bistic, which is becoming larger reals and more diversified. The Mission to determine agrees that the objectives and functions as larger town in the France peration (Phase f) and in the statute of the ISDM return translably makes but that some of its activities would change gradually to reflect the procession development of inductry and the increasing depart on the services of the IsDM.
- 136. The areas in which the respect Document energy exhibiting assistance to the 1500 can, for case in analysis, he grouped into some extensions:
  - (a) Economic studies, including project identification, pre-readilility, planning, project evaluation, and industrial policy;
  - (b) Extension services, including consulting and project in lementation;
  - (e) Management training;
  - (d) Central industrial testing and desclipment hammatory.
- 137. The Mission agrees with these as the ireas of assistance, but to is that a somewhat different selection of experts is consequently required:
  - (a) There is a newd to split the expert on project evaluation and implementation into two experts -- one for project preparation and evaluation and one for project implementation.
  - (b) There is a need to split the expert on cost accounting/marketing into two experts -- one on managerial accounting and one in marketin, research and marketing. In addition, one should add an expert in financial management. The one expert in accounting marketing is simply not sufficient to help the ISBC to significantly improve its consulting (extension) service and meet the increased demands for management training.
  - (c) The Mission feels that the plastics industry is one which will become more and more critical to the Saudi Arabian economy; consequently, a long-term expert is highly desirable. Also, agro-industry is one which is of keen interest to the government, for greater self-sufficiency as well as for regional development; this also appears to justify the need for a long-term UN Expert. The buildings industry expert now on the project is highly effective and the construction boom of the country is just getting started; consequently, it is desirable to extend the term of that expert post. Finally, although there is a need to improve the printing industry of the country, it is not a key industry; also, the ISDC can quite easily obtain a direct-hire expert in this field in a nearby country. The Mission consequently feels that that post can be cancelled.
- 138. The Project Document does not provide for an Expert in export promotion.

  The Mission entertained the idea that one may be necessary. However, after further consideration it was decided that the direction of industrialization in Saudi Arabia was such that there would be little need for export promotion. Nearly all of the large investments would have foreign partners who would provide access to foreign markets, while most of the small and medium-sized

industry would be strictly for too local arket. The expension for a wish to bring in a short-term consultant to take a later date.

- lakewise, the Project Doment did ust qual both apportunition investment promotion. Given the great model, the formal project gerial snow-how and access to ferriam instead, it it is not the agree to the Mission to be highly desirable for the foliant of solid production in this direction, assisted by an expert, above a, the great foliant the Mission that between already to the another allegate between the knocking on its dears. Also, the order, alide the post boundary of knocking on its dears. Also, the order, and he invest boundary of the industrial foreign the track than of its lights. Single, the Industrial Investment Bank will have, as the idea, at there, a consequence of foreign banks, each of foreign will be a dear to promote the foliant and most access. It appeared, therefore, that this bank, or must be resident and continues and capability to promote the read investment investment. The incentives and capability to promote the read investment in the such an institution.
- 140. However, the Mission did feel that several other changes in the crefict Document were desirable:
  - (a) The \$84,500 budget for purchase of commonst for the industrial estate workshop has been cancelled. The government has already requested and received bids on this equipment and is quite prepared to pay for it. This permits an increase in funds available for expert services.
  - (b) The number of man-months for fellowships was reduced. The isl is capable of arranging for many fellowships on its own and can easily pay for them.
  - (c) As a result of the above, the amount of man-months included for experts services has been increased from 33% to 37%.
  - (d) The duration of Phase II was decreased from 3 years to 25 years so that the number and kinds of experts required and the duration of their assignments could be fitted in with the man-months available. It coincided with the end of the current Country Programme.
  - (e) Changes were made in the duration of experts assignment and in the training so that their use could be more effective.
  - (f) The revised Project Document was finalized only after detailed discussions with the following persons, who fully endorse the Mission's proposals: (1) the Deputy Director General of the ISDC; the Resident Representative of the UNDP; the Project Manager.

#### PART IV. RECOMMENDATIONS

- 141. Bised on the positive contribution made by the Project during Phase 1, and in vious of the rapid and diversitied industrial development of the country, it is recommended that the Project be continued under a Phase it, in a somewhat modified form from that proposed in the original Project becoment.
- 143. It is strongly recommended that the training of the ISDC staff be much more systematically and vigorously pursued. Seminars and training courses for the staff should be conducted by the Experts on a weekly basis. More of the stati should be sent abroad, on fellowship, for on-the-job training in factories, to acquaint university graduates with the operations of modern manufacturing industry.
- 144. High priority should be given to the training of ISDC staff, through counterpart relationships and through advanced studies abroad, in the fields of financial management, managerial accounting, and marketing. This is required to deepen and broaden the ISDC's independent capability for extension service and in organizing and conducting management training courses.
- 145. The Mission recommends that the ISDC maintain very close liaison with the Industrial Development Fund, the Industrial Investment Bank and the National Development Corporation, as they are established and begin operations, to assure that they do not unnecessarily duplicate the efforts and capabilities of the ISDC in the areas of project formulation, evaluation and implementation, and of extension service to industry.
- 146. The Mission agrees that the Executing Agency continue to recruit the Industrial Economist and the Expert in Project Implementation, as foreseen in Revision C to Amendment No. 1. However, the Mission feels that it is imperative that a Project Manager be engaged at the earliest possible moment and that any additional Experts should only be recruited after the government has selected the new Project Manager, who was to have taken over the Project on 16 April 1974.

#### ANNEX 1

#### TERMS OF RUTERLY E

for the

Joint ONDERINIDO Re lew Miss our to Saudi Archig on Project: Industrial Stories and De a Esperint repter, has an

## Scope and Purposes of the Review

The primary purposes of the review of the project are:

- a) to evaluate it in order to determine how adequated its immediate possess are being attained and how effective it has been or is likely to be in helping the Government to achieve the relevant sectoral and/or national development objectives;
- b) to identify the factors which may have facilitated or determed the a lievement of the project's immediate purposes and ultimate objectives; and
- c) to make recommendations for future action.

The mission should feel free to review all steps in the terrulation and implementation of the project and make recommendationa as to its future.

In reviewing and evaluating the objectives, the implementation and the results of the project to date and appraising the request for further assistance the Mission will in particular:

### a) Evaluate

- the overall objectives of Phase 1, and the short-term as well as the long range objectives of the Project;
- 11) whether the establishment of the project in Saudi Arabia has proven sound;
- the effectiveness of the implementation of the project, with special reference 1) to the composition and timing of expert services, fellow-ships and equipment, and 2) to the provision of counterparts, build by and other facilities by the Government;
- iv) the training of counterparts;
- v) the results so far achieved especially as concerns:
  - the institutional aspect of the Centre and how, as an institution, it plays its role in the overall Saudi Arabian economy and what impact it has had and might have in future on industrial development;

- 2. the extent to which the course is being utilied by a verticent agencies and by the busines and industrial community.
- the studies carried out by the fentre and whether these have resulted in investment and its amount;
- 4. the industrial estates in Riaydh, Teddah and Darmas and their contribution towards the needs of the influstrial sector.
- 5. the value and use made of the Technical Services Workshop; and
- the policy adopted in development of the national marpower of the Centre, the present competence of the various counterparts and the extent to which they are ready to take over various functions of the Centre; and
- vi) the overall objectives of Phase 2 as reflected in the draft project document submitted by the Covernment.

### bi Assess

the overall validity of the continuation of the Project as reflected in the draft project document of Phase 2, particularly as concerns:

- 1. the impact the Phase 2 assistance would have for a more adequate establishment of the Centre;
- 2. the suggested duration of the second phase and its components;
- other activities, if any, which should be included in the second phase and which would make a significant contribution towards further industrial development; and
- 4. the need for further training of counterparts.
- c) In relation to the proposed second phase, the Mission is also instructed, in particular, to:
  - examine the need and justification for the sectoral experts in plastics, printing, building materials and agriculture-based industries;
  - 2. clarify the terms of reference of the industrial economist and assess the possible need for additional economic and financial expertise e.g. an expert in business administration to look into the industrial infrastructure as a whole including industrial credit facilities, license regulations and import controls;
  - define in more detail the role of the expert in project evaluation and implementation;
  - examine the needs for fellowships in the project and make suggestions for any changes that may be appropriate;

- 5. study the need for an industrial testing unit within the section and suggest measures to ensure that proper co-adinations maintained between SASO and the Centre;
- 6. draw-up a work plan is the stable to term at the incluse of the project Document;
- 7. clarify the investment p tentral or the project and mile of these tions for appropriate to the weap in respect of investment of tentral actions identified by the project;
- 8. redraft the existing iroject horus at for the orani plane as appropriate.

### Composition of the Mission

The Mission will be undertaken jointly by (ND) and CNIDA with one representative from each organization. The names of the members of the mission will be a more nicated to the Government in advance of the mission. The determinant is invited to associate itself with the work of the mission.

The mission will maintain close liaison with the UNDI Regional Sepresentative in Riyadh, Saudi Arabia, the concerned agencies of the Government, the Iroject Manager and other members of the international terms of expert, and the counterpart staff assigned to the project, as well as the UNIDO field staff in the country.

Although the mission should feel free to discuss with the authorities concerned anything relevant to its assignment, it is not authorized to make any commitments on behalf of the UNDP or UNIDO.

### Timetable and Report of the Mission

The mission will assemble in Riyadh on 31 March and depart on 11 April 1974. A programme of visits will be worked out in co-operation with the Regional Representative. The office of the Regional Representative will make all 10 cessary travel arrangments within the country for the mission members.

The mission will prepare a report along the lines indicated in the attached outline. The report should be completed as far as possible in the field, so that there is an opportunity for additional consultations as may be necessary. It should be submitted in its final form (not in draft) simultaneously to the UNDP and UNIDO, UNDP and UNIDO, by agreement, will submit the report to the Government.

### ANNEX II

### PERSONS INTERVIEWED BY THE MISSION

Mr. Abdullatif Succar Mr. F. C. Thomas Mr. Richard C. Church Dr. Abdelsalam Osman Mr. Abdalla Abdelwahab

Mr. A. Bakr Mr. Otto Berger Mr. N.K. Widhani H.E. Rida M. Abbar H.E. Abdulaziz Al-Zamil Mr. Ibrahim A. Salameh Mr. Abdullah Al-Hobayb Mr. Siraj Qoutah Mr. Hassan Abu Laban H.E. Mahmoud Taiba H.E. Abdul Malik Farash

H.E. Abdullah Ali Rida Mr. William Nashed Mr. Mohamed A. Bakr Mr. Bassam Tabr Mr. Richard Kaynor Mr. Philipe Bourgerie Mr. Jean Claude Antoine

Dr. Ahmed Qutub
Mr. Said Ahmed

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Resident Representative, UNDP office

Deputy Resident Representative, CNOP office

Programme Officer, UNDP office

U.N. Project Manager, ISDC UNIDO Senior Industrial Development Field

Advisor UNIDO Expert, ISDC

UNIDO Expert, ISDC

UNIDO Expert, ISDC

Director General, ISDC

Deputy Director General, ISDC

Director of Administration, ISDC

Director of Technical Services, ISDC

Jeddah Branch Manager, ISDC

Librarian, ISDC

Deputy Minister of Commerce & Industry

Deputy General, Technical Co-operation Department, Council of Ministers

Director General, External Trade, PETROMIN

UNIDO Consultant, PETROMIN

Director, Industry Section, CPO

Manager, Energy and Industry Section, CPO

SRI Expert, CPO

Expert, French technical assistance to the CP

Expert, French technical assistance to the CP Director General, Saudi Arabian Standards

Organization (SASO)

Advisor to the Saudi Arabian Monetary Agency (SAMA)

Plant Manager, Safari Pak, Jeddah Industrial Estate

Plant Manager, Sleep Hi, Riyadh Industrial Estate

AUNEX III

STAGES THROUGH WHICH THE PROJECT DEVELOPED FROM GOVERNMENT REQUEST TO END OF PHASE I

	Government Request	Governing Council Approval	Plan of Operation	Adjustment Advice	Adjustment Advice	Amendment No. 1	Froject Revision
Date	Jan. 1965	June 1965	14 Feb.1966	25 Jun.1968	21 ot. 1969	le May 1972	o April 19.3
Duration of Project	Yrs. Months	fre. Months	Yrs. Mon'hs	Yrs. Months	Trs. Konthe	Yrs. Worth	Survey Continue
Termin. date of project	,	•	28 Fet. 1364	31 Dec. 19cg	31 Dec. 177	31 Dec.1 272	3: Der. 1473
Special Fund Contribution	\$ 734,600	\$ 521,400	25.52	607.4	\$ 623,	6.9	
Government Contribution Towards Longl	\$ 90,400	\$ 61,5℃	67,10		d c	a. 	a.
INTO Allocation	\$ 925,000	\$ 552,93	\$ 624.8	\$ 634.5			1,23
Jovernmen. Counterpart Coutr, butir a	58 14,400,000 8 3,200,000	or Case	30.5°	S C S C S C S C S C S C S C S C S C S C	10 K		1 63
Jo sunuon-use ganacine Sorves		2.4	.:				
Was-writes of Professional Professional	749						

AMMEX IV

# PROVISION OF U.N. EXPERIS SERVICES TO THE PROJECT

	Total	1965	1966	1967	1968	1969	1970	1971	1972	1973	1 July 1974
Project Manager	103	4	12	12	12	12	12	12	12	5 . F	
Industrial Estates Expert	36		~	1.2	1	6					-
Industrial Engineer 1	12		2	01							
Industrial Engineer 2	09	•	•	,	æ	C 1	es ind		(° )	,	•
Industrial Engineer 3	1.2	•	•	,	,	•	•		, ,	·	
Indl. Information & Documen. Expert 1	12		~	10				,			
Indl. Information & Documen. Expert 2	25	•	•	•	m-1	즫	12	•	•	1	•
Chemical Engineer 1	9		•	2						.	
Chemical Engineer 2	12	•	•	•	-7	æ	•	•	•	1	•
Indl. Management & Organisation Expert	12					ļ.			] ,		-
Industrial Economist	51				ļ,	12	1.2				
Building Materials Industries Expert 1	13							1-1		•	
Building Materials Industries Expert 2	15	•	•	•	•	•	•	•	: •	.1	٠.
Mechanical ingineer (Workshop)	٥	•					_	~	,		-
Adviser, Central Industrial Festing and											
Research Laboratory	-1	•	•	•	•	•	•	•	*	,	,
Indl. Management and Marketing Expert	12					,			١,		-
Production ingineer (Nechanical)	2.1										
Cost Accounting Expert	50				•						
Advisor, Date Fruit Industries	r-4									-	-
Short-term consultants	,								.		•
Staff Visits	cu	•		•		ļ.	•				

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### A XZMXT

### C.N. PELLONSHIPS

Ige	ž	Subject + Sountry of Study	From	ř.
Mr. Abdulosis Al-Lenal	Industrial Decision	Industrial Estates, SIET Institute, India	13-1-1969	29- 3-1969
	:	industrial Estates in Various European countries	1-5-1%)	C871 -16
F. Bed J. Blati	Modemical Engineer	Basic Engineering Jourse, Hall Green Technical College, J.K.	0-4-137	- <del>1</del>
Fr. Ibrahis A. Jon Saleman	Senior Industrial Researcher	Small Scale Industry Management and Regional Industrial Development, PVB, Holland	8-7-1473	23- 5-1971
W. Benedia A. Touber	Schonical Engineer	Mechanical Engineering (acrit shops), Werner Werkzeug- machinebau, West Jermany	1-6-1973	32-11-1473
Mr. Anim A. Al-Fodom	Market + Calos Analyst	Marketing, RUE, Holland	16-7-1753	47-11-1973
Mr. Abmad Al-Kadami	Mochanical Engineer	Projuction Bagineering (Kechanical	Beith arran months to being to	Being arranged for conditions of the work of the work with the conditions of the con
Mr. Ali Momenmed Onaimen Mr. Ibrahim S. Kamita	Financial Management and Gesting Officer Industrial Researcher	Industrial Firancing and Telegrary red for 1 Investment Promotion Project Thompins of 119 who will Financing Include of Telegraph Project Telegraph Canada Sanda S	The state of the s	100 for 1 110 km 4.1.
Mr. Hamed T. Al-Mashour	Industrial Resourcher	•		
Mr. Ibrakin A. Ben Salanak	Semior Industrial Pessarcher	Project Analysis and Maraco ment Jourse, Intronsity of Connections, 1.5.1.	: : : : : : : : : : : : : : : : : : :	<b>e</b>

ANNEX VI

# EXPERIENCE FROM SPECIAL PUND/UNDP ALLOCATIONS

U.S. Dollars

	Total					Cash Disbursement	ursenent				
	Costs	1965	1966 1967	1987	1368	5961	197	1971   1972	1972	1973	1973   10 1.7.74
Personnel Services	983900	17500	41130	8.78	388	15 10	942 %	942 11 1140 0	1	131 % 1950	42500
Pollomekips	24400	•	1	•	1	ु <b>.</b> 2	; ∪€9	<b>5</b> 00	1	1,003	3000
Equipment and supplies	ು <b>66€</b>	•	1900	48 D.	<b>2</b> 7 ℃	<b>9</b>	527.80	275 X	70.1		•
Ni pee 11 gassus	23200	•	•	•	<u>C</u>	<u></u>	1370	75.11	<b>22</b> 37	1001	
Total Project Cente	00601 00#1211	13500	<b>(COC)</b>	10150	e 616	15.65	153100 1546	1546	1355	213.0	5664
Executing Agency Overhead Costs	₩.	•	S130		2	<b>S</b>	**			•	•
from S.F. UNYF.	0018611	10500 6410	6410	11950	11950 1.930	\$ 2.5 \$ 2.5 \$ 2.5	3.5.207	16145	1339	1339 - 21300	#\$\$C

1965 to 1971 Actual Calculated on basis of everage actual costs 1972 and 1974 Estimated on basis of proforms ocets

### AND X VII

### COVERNOCING COUNTRYPASS FEETS NOT.

Sonior technical

Senior administrative

Other technical

Other administrative

Labour and nervice

Total:

		An a	u Sha	end :		The second secon	
1966	1 40	1 4.5	116		1 4		
1	5	н	*	1:	* *** ***********		
•	1	1	1	1	Anna Marinana de la compansión de la compa	1	1
-	3	5	1	. 1		e eve an and management	3.5
1	6	19	24	2.	77	Ç E	
8	13	15	17	1.	<u> </u>	1	4
10	25	17	61	64	M 4	1	14

· Actual up to the end of 1472

Retaineted so at the end of 19/3

### ANNEX VIII

## COVERNMENT PELLOWSHIPS

# Short Counse and Practical Training for University Graduates

Kee	Post	Subject of Course Training	E CL	Ç
Mr. M.F. Al-Khatrari	Market and Sales Analyst	Summer Course on Indus- trialization, Holland.	9-5-1330	28- 6-1390
Mr. Abdulla A. Al-Ajroush	Industrial Estates Officer	Summer Course on Indus- trialization, Holland.	19-5-1391	29- 6-1331
-67	- C	Visiting industrial estates in the U.K.	1-7-1331	27-7-1391
Mr. Abdulazis A. Hanafi	Civil Engineer	Maintenance techniques and specifications used in factory buildings, U.K.	30-7-1391	26- 9-1391
Mr. Ahmad S. Al-Twaijri .	Industrial Economist	Industrial Development Planning.	13-9-1391	16- 2-1392
Mr. Ibrahim A. Al-Musharraf	Economic Researcher	industrial Development.	28-5-1392	22-10-1392
Mr. Ibrahim A. Al-Kara'wi	Chief of Industrial Research Department	Industrial Development Cource, RVB, Holland.	30-5-1392	22-10-13)2
Mr. A.W. Abou Khashaba		Machine tools (workshops).	12-7-1392	30- 1-1393
Mr. Abdulaziz A. Al-Khatlan	Market and Sales Analyst	Statistics course, Egypt.	18-3-1393	29- 4-1393

<sup>•</sup> Appointed Director General, Department of Industry, Ministry of Commerce and Industry, on 24-4-1393H (27 May 1973).

## GOVERNMENT SCHOLARSHIPS

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itrial Engineer  ritrial Management  riganisation  cial Management  sting Officer  t and Sales Analyst  trial Management  anisation officer  rival Organise  frial Management	Mane	# 100 A		Date fellowship
Marid Rushdi	Mr. Jamil A. El-Jishi	1 7	Degree and Subject of Study Ph.D. in Industrial Engineering	commenced 18-10-1390
Idrees A. Tairi and Costing Officer  M. F. Al-idatravi Market and Sales Analyst  Ammar T. El-Dabbagh Analyst  Omair A. Al-Omair  Abhaad B. Hibsel Omair A. Al-Omair  Abhaad B. Hibsel Merianisal District  Abdulmajid H. Ajonza Hinametar Management  Februid Fahad Co-Scare Continue Street  Nazeeh H. Nasser Continue Street  Abdullah A. Al-Appende Continue Street  Abdull	Mr. M. Ma,''d Rusheli	Industrial Management and Organisation Officer	M.A. in Business Administration (industrial Management)	1+-10-1340
M. F. Al-Khatravi  Ammar T. El-Dabbagh Analyse  Omair A. Al-Omair  Abhaad B. Hibsel  Abhail B. Hibsel  Abdullab A. Al-Standa  Abdullab A.	fr. Idrees A. Tairi	Financial Management and Costing Officer	M.A. in Rusiness Administration (Lost Accounting)	110-1390
Amar T. El-Dabbagh Analyst Analyst  Omair A. Al-Omair  Abriad B. Hibsoi  Nasser A. Al-Mair  Abdulmajid H. Njooza  Febeid Falsad CStar  Abdullah A. Al-Branic	Ir. M. F. Al-Khatrawi	Market	Mara and Mail. In Lechemics	7
Omair A. Al-Omair  Domair A. Al-Omair  Abrad B. Hibsei  Nasser A. Al-Yelawaz  Abdulmajid H. Ajoeza  Febrid Fakad Co-Steech  Nazech H. Nasser:  Abdullab A. Al-Aproure  Control Reserves  Control	r. Ammar T. El-Dabbagh	Market and Sales Analyst	N.A. in Business Administration Cost Accountings	7 m - 1 m - 2 m -
Abdulmajid H. Ajooza Financias Management  Abdulmajid H. Ajooza Financias Management  Febera Fahad Co-Strace Financias Management  Nazeeh H. Massers Financias Financias Financias  Md. A. Al-ibrania  Md. Al-ibrania	r. Omair A. Al-Omair	Industrial Namagement 5 Organisation officer	gariowithus (riigspeal at tst	1 - 4 - 2 - 2 - 3 - 4 - 2 - 3 - 2 - 2
Nasser A. Ai-Nefawaz       verification management         Abdulmajid H. Ajonza       Financia: Management         Febrid Fahad Co-Nord       verification         Nazeeh H. Nasser:       verification         Abdullab A. Al-Aproprie       ment at mat control         Md. A. Ai-ibranic       ment at mat control         Mdullab N. Ba-ispan       ment at mat control         Modullab N. Ba-ispan       ment at material	r. Ahmad B. Hihsei	अंद्यामात्वी विद्यामत्त	an real and sections of the section	\$ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Abdulmajid H. Ajonza Financias Management Corting offices  Febeld Falsad Co-State Corting offices  Nazech H. Nasseres  Abdullab A. Al-Apranic Brown Brown as not corting Md. A. Al-ibranic Brown Brown As not corting Md. A. Al-ibranic Brown Brown As not corting Md. A. Al-ibranic Brown Brown As not corting Md. A. Al-Abranic Brown	f. Nasser A. Ai-W.fawwaz		Nove it was the so officialism Cadostrial Managers etc	7 × 1 + 4 + 2 = 1
Febeld Falsad Co-Nover       Charles on goods         Nazeeh H. Nassers       Charles on goods         Abdullab G. Al-Apranie       Borns an incorrection         Md. A. Al-Ibranie       Borns an incorrection         Abdullab N. Ba-inpai       Intestres         Abdullab N. Ba-inpai       Intestres	Abdulmajid H. Vionza	Financias Magazement	Median and asset of the	3 6 
Mazeeh H. Wasser.       ** Abdullab A. Al-Alpenor       ** Bode treat terms at the control of the control o	. Februar Eduar Computer of			7
Abdullab A. Al-Alperore Devo teral december of the Annal december	· Nazeeh H. Nasser			
Md. A. al-ibranic home and more and the state of the stat	• Abdullah A. Al-A progra			
Sbdullab N. Ba-Farari N. A. Sta-Shiring	· Md. A. Al-ibranic	Short a. a. a.		
	• 'Ybdullab N.   ba- baba	intestration of the second		
	A. A. Make M. C. C.			

ANNEX X

## COVERNMENT COUNTERPART CONTRIBUTION IN KIND

	Total	Ď	U.S. Dollar	Car Equiva	Cash Disbursed Dollar Equivalent at the	Cash Disburcements Valent at the Rulir	F Rain	lents * Ruling Base of Everbands	
	C 08 t	1966	1967	1963	1969	151	1971	3.61	1973
Personne!									
Senior technical	764,000	ı	19335	.63.839.	59341	18:41	7.7563	50 / 10 mm	e, N
Senior Administrative	008 <b>*9</b> \$		23.47	51.67	5.741	777.6	77.72		
Other Administrative	502,5.0	415	101	45359	18-69	8305,2			-4
Other Technical	∂c.,•6 <b>2</b> 5	,	40.63	11.562	55,623	14.193	1.6(4.1	1415	18
Labour and service	214,000	4510	11817	14531	16484	23478	3441	5.44.2	
Sub-total	2,056,00	4.125	4:6.3	134752	15	2.491.	320.513	ı. u	153
Equipment and supplies	408,000	5656.	1: 3:2	23477	65484	44535	***		1.
Services	1,196,700	785	17245	463.14	1113111	191,452			
buildings, plant, and facilities put in place and/or rental value of buildings, etc., used for the project.	7,6.6,93	i i i i i i i i i i i i i i i i i i i	er 3 60		96	7.77	i cu		325.4
TOTAL	11,269,00	70335	15342	319662	Switch Carde	i wasey)			

\* Actual up to 1972 Estimated for 1973 and for total project costs, to the nearest \$:

### EXPERTS NOW ENDOR DIDECTOR STANDS FOR THE CONTRACT OF THE CONT

1. Economist, appointed on 30/1//

1958 B.A. Economics, University of recal

1959 M.A. Economics, University of Para

1966 Ph.D. Economics, Landon achoof of as the con-

1967 to 1972 United Lank of Pakistan - Research works

2. Marketing Expert, appointed on 17 8/72

1950 B.Sc. Punjah University

1962 Part A, Examination of the Chartered Instatute of accordance, t. N.

1965 to 1971 - Marketing Research and Development in co. Saiged Group of Companies, Lahore,

3. Chemical Engineer, appointed 27/3/72

1958 B.Sc. Chemical Engineering, Caire University

1962 M.Sc. Chemical Engineering, Maryland University

1965 Ph.D. Chemical Engineering, Maryland University

1965 to 1972 - Chief, pilot plant testing laboratory, Mational Research Centre, Cairo.

4. Economist, appointed 1/11/72

1962 B.Com. (Economics), University of Damascus

1964/1965, UN Trainee, Research and Planning Division, E.C.L. Geneva

1970 M.A. Managerial Economics, Greshom College, City University, London.

1966-1972 Head of Investment Division, Industrial Development Bank, Amman.

5. Industrial Engineer

1955 B.Sc. Mechanical Engineering, Cairo University

1969 M.A. Industrial Engineering, Cairo University

1971 Ph.D. Industrial Economics, University of Berlin

6. Civil Engineer

1950 B.Sc. Civil Engineering, Cairo University

1960 M.Sc. Civil Engineering, Cairo University

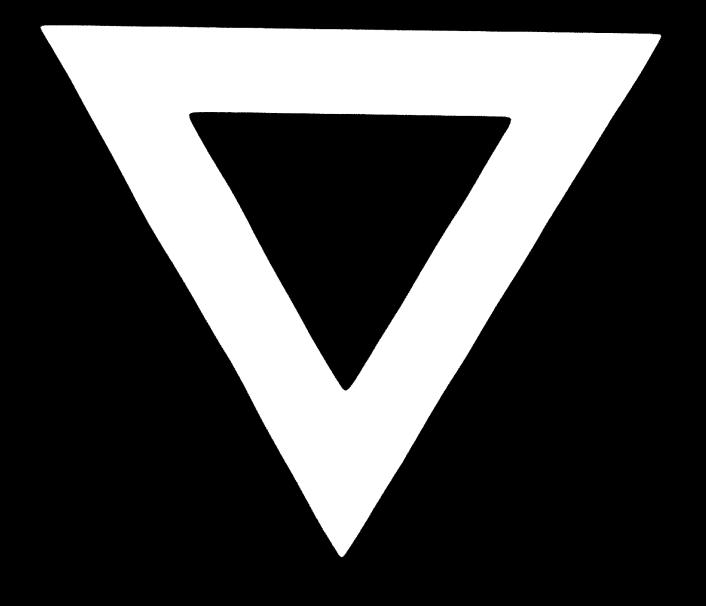
1970 Ph.D. Civil Engineering, Cairo University

1950 to date, Ministry of Housing, U.A.R.

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